

Annual Report

2016-17



ICAR Seed Project “Seed Production in Agricultural Crops”



ICAR- Indian Institute of Seed Science
(Indian Council of Agricultural Research)
Kushmaur, Mau 275 103 (UP)



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Institutional publication no.: IISS/2017/20

Edition : July, 2017

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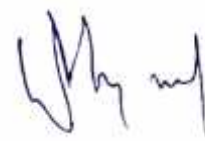
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Preface

Seed is an essential input for crop production. Farmers' access to quality seed of superior varieties is key in increasing agricultural productivity and production. Role of quality seed is documented and acknowledged across farming systems and ICAR duly acknowledged this fact by the launch of mile stone projects viz. AICRP- NSP (Crops) and ICAR Seed project vis-à-vis Mega Seed project, for which coordination is entrusted upon IISS, Mau. In order to address issues such as Seed Replacement Rate (SRR) and Varietal Replacement Rate (VRR), to equip seed production centers of NARES with world-class infrastructure and to make quality seed available to the farmers by means of model deployment, ICAR has launched ICAR Seed Project- "Seed Production in Agricultural Crops and Fisheries" during X plan and was continued in XI and XII plan periods with field crop component alone. This project had strengthened all facets of quality seed domain viz. production, infrastructure establishment, technology dissemination, model deployment, entrepreneurship development and capacity building. During XII plan period, horizons of ICAR Seed Project were widened by incorporation of components viz. quality seed production under horticultural crops & fisheries, technology generation and institution of topical seed research and quality assurance laboratory in order to bring a holistic dimension in reference to 'seed' across farming systems. However in current proposal (2017-18 to 2019-20), considering the need for rationalization & prioritization of activities, component viz. quality seed production in agricultural crops is only incorporated under the umbrella platform of ICAR Seed Project.

Annual Report 2016-17 is compilation of progress made by diverse co-operating centers under ICAR Seed Project – Seed Production in Agricultural Crops. It is my immense pleasure to express my deep sense of gratitude and sincere thanks to Dr. Trilochan Mohapatra, Hon'ble Secretary, DARE & Director General, ICAR for persistent sustenance. I acknowledge gratefully Dr. J. S. Sandhu, DDG (Crop Science), who is the mission leader of this project, for his kind support, guidance and constant encouragement. I thank Dr. J. S. Chauhan, former ADG (Seed) and Dr. D. K. Yadava, ADG (Seed) (Acting) for their active co-operation rendered in successful implementation of referred project. Co-operation received from other officials of seed division of crop science in the council is sincerely acknowledged. The quality and quantum of progress made under this project reflects the tireless efforts of large number of scientists and staff throughout the country. I owe indebtedness to all nodal officers from various co-operating centers, who did commendable job in successful implementation of the project which I gratefully acknowledge and appreciate. I also take this opportunity to acknowledge all scientists and staff of IISS primarily Dr. Udayabhaskar K., & Dr. Ramesh K. V. for their efforts in successful co-ordination of this massive project across the country. I firmly believe that this project, down the line would tread us towards attaining seed sufficiency and quality seed driven agricultural growth.



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Contents

S. No.	Chapter	Page No.
1	Introduction	1
2	Summary of centre-wise quality seed production in university/ Institute farms	4
3	Summary of centre-wise quality seed production in farmers' field	7
4	Summary of centre-wise total quality seed production	11
5	Summary of centre-wise planting material's production	15
6	Capacity building programmes (HRD)	16
7	Financial Statement	20
8	State - wise/ centre - wise release of funds and its expenditure	20
9	Details of center - wise quality seed production 2016-17	27
10	Details of center – wise capacity building programmes (HRD) 2016-17	260
11	Impact of ICAR Seed Project on Varietal Replacement (VRR)	321
12	Success stories	332
13	ICAR Seed Project 2016-17: At a glance	339
14	Perspectives	340



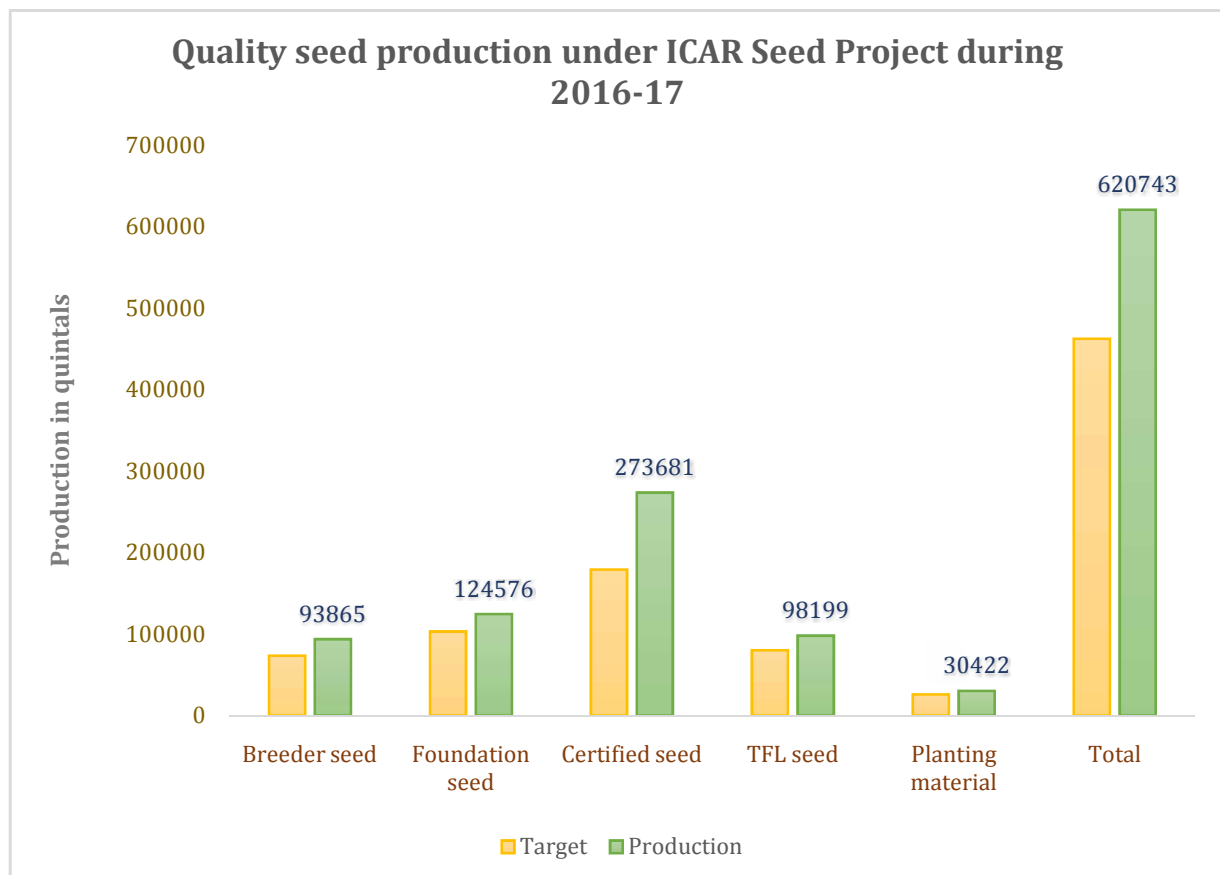
Introduction

Seed is the actual carrier of technology and wellspring for agricultural prosperity and growth *per se*. Desired growth rates in agriculture can only be made possible, if the input of agriculture i.e. “Seed” gets its rightful significance. Seed security is having a strong positive correlation to food security, which is quite clearly evident from increment in food grain production vis-à-vis growth in quality seed production. ICAR Seed Project – seed production in agricultural crops played its part in augmenting quality seed production, infrastructure establishment to support seed activities, seed related technology dissemination, capacity building and more importantly making seeds available at right place and time by innovative model deployment (participatory seed production and seed village programme etc).

In a bid to foster seed multiplication chain and for strengthening seed production infrastructure facilities in the country, ICAR had launched ICAR seed project “Seed Production in Agricultural Crops & Fisheries” during X five year plan with an outlay of Rs. 198.89 crores for 2005-06 & 2006-07 for field crops, horticulture and fisheries. The project has resulted in enhanced supply of seeds including planting material and fish seeds. Further, looking into the achievement of the project during X plan, the project was continued in XI plan with an outlay of Rs. 63.33 crore for field crops component alone. In XI plan, the project has ushered in significant positive impact in enhancing the quality seeds to aid seed and food security. ICAR Seed Project also facilitated in the emergence of new seed hubs in many centres and several more are in offing. With respect to infrastructure development, state of art facilities were established in cooperating centres, many centres developed core competencies and are now ready to serve as model centres regarding processing, seed quality enhancement and molecular diagnostics aspects. This project has helped in human resource development, technology dissemination, model deployment and employment generation. During XII plan period, horizons of this project were widened by means of expansion of seed activities to unexplored areas (N-E states), concentration on untapped areas for seed production; capacity building and commercial orientation is accentuated upon. During XII plan period, ICAR Seed Project was further strengthened with inclusion of new dimensions *viz.* horticulture, fisheries, technology generation and establishment of topical seed research and quality assurance laboratory components with a motive to shape ICAR SEED PROJECT, an all encompassing platform on seed across farming

systems. With respect to technology development component, progression was made in themes *viz.* Improving hybridization efficiency and seed set in finger millet; Development of seed quality enhancement strategies (nano particulate invigoration); Bioprospecting and seed-biopriming (isolation & characterization of potent microbes); Development of serological and molecular diagnostic kits (in cotton); Standardization of seed production technology and seed testing protocols in untapped potential crops (in Quinoa). However in current proposal (2017-18 to 2019-20), considering the need for rationalization & prioritization of activities, component *viz.* quality seed production in agricultural crops is only incorporated under the umbrella platform of ICAR Seed Project.

During the year 2016-17, total production of quality seed including all classes was 620743 quintals against the target of 462404 quintals. Production comprises 93865 quintals of breeder seed, 124576 quintals of foundation seed, 273681 quintals of certified seeds, 98199 quintals of truthfully labelled seed and 30422 quintals of planting material of field crops. In addition, 239 lakh planting material and 1.9 lakh tissue culture plantlets were produced against the targets of 288 and 2.6 lakh, respectively.



During the financial year 2016-17, an amount of Rs. 560.00 lakh was released to different centres under ICAR Seed Project. ICAR-IISS has been entrusted with the responsibility of coordinating the activities under ICAR seed project and hence this meeting is proposed to review and discuss the progress made by different centres involved in seed production for the year 2016-17 and to finalize road map for the year 2017-18.

The success story of ICAR Seed Project – seed production in agricultural crops is a crown jewel of ICAR. Apart from mere production, capacity building with focus on skill intensification, technology dissemination, model deployment (Farmers' Participatory Approach and Seed Village Programme), employment generation, commercial orientation addressing gender outlook i.e. women entrepreneurship, expansion of activities in untapped areas are significant contributions of this project. Under the sustenance of ICAR with a team of dedicated scientists and staff throughout the country, ICAR Seed project will tread us towards seed security thereby contributes its portion towards much awaited ever green revolution.



Paddy seed production at CIARI, Port Blair



Groundnut (TrombayKonkanTapora) seed production at KKV, Dapoli



Mustard seed production at GBPUA&T, Pantnagar



KisanGoshti on GehunBeejotpadan at village Jhankat, organized by VPKAS, Almora

**Table 1: Summary of centre-wise quality seed production in university/ Institute farms****(in quintals)**

S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
1	SKUAS & T, Srinagar	141.25	139.75	1084.00	1022.38	0.00	0.00	0.00	0.00	1225.25	1162.13
2	SKUAS & T, Jammu	94.82	123.00	1324.00	1454.50	16.00	6.00	0.00	0.00	1434.82	1583.50
3	CSKHPKV, Palampur	143.50	193.69	410.00	491.01	0.00	0.00	0.00	0.00	553.50	684.70
4	PAU, Ludhiana	0.00	0.00	11178.50	11998.35	19437.10	20767.04	14816.90	15726.86	45432.50	48492.25
5	CCSHAU, Hisar	1650.02	2192.94	6404.70	7022.34	9232.50	9938.44	1981.48	2243.89	19268.70	21397.61
6	SVP, Meerut	376.70	547.72	542.20	452.60	917.40	887.89	16.50	18.70	1852.80	1906.91
7	GBPUA & T, Pantnagar	7133.13	10889.65	6375.00	8657.00	985.00	1589.00	1384.00	2179.96	15877.13	23315.61
8	NDUA & T, Faizabad	1898.50	2026.03	6160.00	6756.50	0.00	0.00	0.00	0.00	8058.50	8782.53
9	CSAUA & T, Kanpur	908.31	1927.94	76.00	5293.99	0.00	116.16	0.00	247.74	984.31	7585.83
10	BHU, Varanasi	62.05	111.90	616.00	617.90	0.00	0.00	0.00	0.00	678.05	729.80
11	AAU, Jorhat	0.00	547.85	0.00	1994.18	0.00	1629.95	0.00	1475.85	0.00	5647.83
12	BAU, Ranchi	480.55	223.44	4210.00	3029.86	175.00	0.18	0.00	2.65	4865.55	3256.13
13	RPCAU, Pusa	0.00	0.00	2775.00	2863.74	182.50	182.08	265.00	263.63	3222.50	3309.45
14	BCKV, Nadia	66.00	57.00	255.00	330.00	2005.00	1899.00	877.00	988.00	3203.00	3274.00
15	UBKV, Pundibari	0.00	0.00	522.25	353.24	426.00	1043.27	152.50	294.26	1100.75	1690.77
16	OUA&T,	505.80	527.57	1563.50	1689.30	1032.00	1203.40	18.00	21.99	3119.30	3442.26



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
	Bhubaneswar										
17	SKRAU, Bikaner	0.00	0.00	0.00	0.00	0.00	0.00	940.50	1618.24	940.50	1618.24
18	MPUAT, Udaipur	369.06	346.81	1949.50	1776.55	1097.00	1046.54	50.00	48.72	3465.56	3218.62
19	SDAU, Sardarkrushinagar	316.38	435.66	0.00	0.00	0.00	0.00	1778.51	1790.69	2094.89	2226.35
20	AAU, Anand	0.00	642.96	0.00	740.25	0.00	1926.85	21.00	1783.65	21.00	5093.71
21	JAU, Junagarh	2065.87	3482.81	0.00	465.09	0.00	0.00	80.00	2676.91	2145.87	6624.81
22	NAU, Navsari	121.70	132.90	390.00	541.25	2520.00	2815.14	688.50	1543.24	3720.20	5032.53
23	IGKV, Raipur	158.00	968.95	5894.00	3179.27	1029.00	2650.63	0.00	236.96	7081.00	7035.81
24	JNKVV, Jabalpur	10419.85	17403.46	0.00	0.00	0.00	0.00	0.00	0.00	10419.85	17403.46
25	VNMKV, Parbhani	2874.76	2029.03	606.70	558.34	281.60	108.05	636.22	232.31	4399.28	2927.73
26	MPKV, Rahuri	346.52	515.98	2108.00	2319.15	1209.70	2048.90	1031.00	1306.77	4695.22	6190.80
27	PDKV, Akola	278.50	539.00	47.00	123.00	125.00	316.00	336.50	459.30	787.00	1437.30
28	KKV, Dapoli	257.00	275.56	315.00	411.98	0.00	0.00	1261.00	1365.20	1833.00	2052.74
29	UAS, Bengaluru	0.00	0.00	572.00	266.00	27820.00	7815.00	1937.00	1879.00	30329.00	9960.00
30	UAS, Dharwad	10230.78	8079.20	1387.00	1393.60	15150.00	11226.58	5905.00	3732.16	32672.78	24431.54
31	PJTSAU, Hyderabad	824.46	1600.62	3254.50	3463.50	0.00	0.00	1.80	2.30	4080.76	5066.42
32	TNAU, Coimbatore	2490.09	1720.47	1810.00	1647.07	0.00	0.00	3737.60	2985.11	8037.69	6352.65
33	KAU, Trissur	16.21	100.69	0.00	0.00	0.00	0.00	280.50	366.72	296.71	467.41
34	CAU, Imphal	14.30	13.60	10.00	7.70	0.00	0.00	0.00	0.00	24.30	21.30
35	IARI, New Delhi	4159.42	5889.03	0.00	0.00	0.00	0.00	49.00	177.39	4208.42	6066.42



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
36	IWBR, Karnal	1210.14	1059.50	0.00	0.00	0.00	0.00	0.00	85.00	1210.14	1144.50
37	VPKAS, Almora	177.65	194.84	0.00	0.00	0.00	0.00	28.60	68.57	206.25	263.41
38	IIPR, Kanpur	354.35	663.53	0.00	0.00	0.00	0.00	0.00	17.89	354.35	681.42
39	IISR, Lucknow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	CRIJAF, Barrackpore	0.00	1.87	0.00	0.00	50.00	100.00	570.00	730.94	620.00	832.81
41	NRRI, Cuttack	902.00	851.50	0.00	0.00	0.00	0.00	143.10	163.97	1045.10	1015.47
42	IGFRI, Jhansi	131.90	164.71	0.00	0.00	0.00	0.00	198.90	253.23	330.80	417.94
43	DRMR, Bharatpur	0.00	0.00	0.00	0.00	0.00	0.00	724.00	1691.80	724.00	1691.80
44	IISR, Indore	234.00	315.50	30.00	40.00	0.00	0.00	60.00	69.00	324.00	424.50
45	DGR, Junagadh	581.22	164.70	0.00	0.00	0.00	0.00	40.00	34.60	621.22	199.30
46	CAZRI, Jodhpur	0.00	0.00	0.00	0.00	0.00	0.00	125.00	155.00	125.00	155.00
47	CICR, Nagpur	0.00	5.00	0.00	0.00	0.00	219.70	0.00	11.57	0.00	236.27
48	IIOR, Hyderabad	2.93	5.00	0.00	0.00	0.00	0.00	9.00	10.10	11.93	15.10
49	IIRR, Hyderabad	454.60	444.70	0.00	0.00	0.00	0.00	0.00	0.00	454.60	444.70
50	IIMR, Hyderabad	17.87	59.03	0.00	0.00	0.00	0.00	0.00	0.00	17.87	59.03
51	SBI, Coimbatore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	IISS, Mau	50.00	57.70	277.00	173.90	50.00	18.00	48.00	30.60	425.00	280.20
53	IIMR, New Delhi	38.50	55.40	440.00	562.00	0.00	0.00	100.00	115.00	578.50	732.40
54	CCARI, Goa	9.00	6.00	25.00	17.10	0.00	0.00	0.00	0.00	34.00	23.10
55	CIARI, Port Blair	5.45	5.05	0.00	0.00	0.00	0.00	1.10	1.21	6.55	6.26



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
56	VSI, Pune	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	UAS, Raichur	0.00	0.00	1184.00	1402.43	2608.00	2238.00	960.83	811.15	4752.83	4451.58
58	RVSKVV, Gwalior	5834.00	9918.10	0.00	0.00	0.00	0.00	0.00	42.68	5834.00	9960.78
59	BAU, Sabour	1240.38	549.00	1480.00	4019.00	0.00	2285.00	0.00	405.00	2720.38	7258.00
60	PAJANCOA & RI, Karaikal	9.00	35.34	11.00	11.40	3.00	3.30	26.00	30.95	49.00	80.99
61	UAHS, Shimoga	275.00	226.26	201.00	180.73	3750.00	3373.17	1163.00	1056.47	5389.00	4836.63
62	ICAR-RC, Manipur	35.65	45.45	3.60	5.65	0.60	1.20	111.80	177.30	151.65	229.60
63	ANGRAU, Guntur	12621.30	14132.20	0.00	0.00	0.00	0.00	0.00	0.00	12621.30	14132.20
	Grand total	72588.47	92645.59	65491.45	77331.85	90102.40	77454.47	42554.84	51630.23	270737.16	299062.14

Table 2: Summary of centre-wise quality seed production in farmers' field

(in quintals)

S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
1	SKUAS & T, Srinagar	0.00	0.00	0.00	0.00	3940.00	3250.00	0.00	0.00	3940.00	3250.00
2	SKUAS & T, Jammu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	CSKHPKVV, Palampur	0.00	0.00	0.00	0.00	0.00	0.00	3415.00	4476.59	3415.00	4476.59
4	PAU, Ludhiana	0.00	0.00	70.00	79.50	225.00	237.28	34.00	34.50	329.00	351.28



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
5	CCSHAU, Hisar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	SVPUA & T, Meerut	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	GBPUA & T, Pantnagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	NDUA & T, Faizabad	0.00	0.00	0.00	0.00	0.00	0.00	5895.00	6283.58	5895.00	6283.58
9	CSAUA & T, Kanpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	BHU, Varanasi	0.00	0.00	0.00	0.00	0.00	0.00	2593.50	3009.50	2593.50	3009.50
11	AAU, Jorhat	0.00	0.00	0.00	330.00	0.00	744.94	0.00	4268.20	0.00	5343.14
12	BAU, Ranchi	0.00	0.00	0.00	0.00	21150.00	116988.00	0.00	431.00	21150.00	117419.00
13	RPCAU, Pusa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	BCKVV, Nadia	0.00	0.00	0.00	0.00	918.00	841.00	922.00	522.00	1840.00	1363.00
15	UBKV, Pundibari	0.00	0.00	90.00	65.00	170.00	1014.00	850.00	249.65	1110.00	1328.65
16	OUA&T, Bhubaneshwar	708.50	604.36	658.00	39.00	0.00	0.00	0.00	0.00	1366.50	643.36
17	SKRAU, Bikaner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	MPUAT, Udaipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	SDAU, Sardarkrushinagar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	AAU, Anand	0.00	0.00	0.00	0.00	0.00	280.50	0.00	0.00	0.00	280.50
21	JAU, Junagarh	0.00	0.00	0.00	0.00	0.00	1292.40	0.00	3661.75	0.00	4954.15
22	NAU, Navsari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
23	IGKV, Raipur	0.00	0.00	0.00	0.00	2100.00	1385.00	0.00	0.00	2100.00	1385.00
24	JNKVV, Jabalpur	0.00	0.00	30139.00	36640.00	0.00	0.00	0.00	0.00	30139.00	36640.00
25	VNMKV, Parbhani	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	MPKV, Rahuri	0.00	0.00	0.00	0.00	5300.00	19917.00	100.00	184.00	5400.00	20101.00
27	PDKV, Akola	0.00	0.00	0.00	763.60	0.00	5420.20	0.00	0.00	0.00	6183.80
28	KKV, Dapoli	0.00	0.00	0.00	0.00	2105.00	1765.50	257.00	290.00	2362.00	2055.50
29	UAS, Bengaluru	0.00	0.00	1110.00	1708.00	28270.00	19263.00	1925.00	1964.00	31305.00	22935.00
30	UAS, Dharwad	0.00	0.00	2770.00	4255.98	17300.00	10528.26	2223.00	1876.15	22293.00	16660.39
31	PJTSAU, Hyderabad	0.00	0.00	1381.00	1954.30	220.00	264.00	4366.00	4599.50	5967.00	6817.80
32	TNAU, Coimbatore	4.50	4.50	0.00	0.00	0.00	0.00	145.70	93.40	150.20	97.90
33	KAU, Trissur	0.00	0.00	0.00	0.00	0.00	0.00	505.00	660.85	505.00	660.85
34	CAU, Imphal	0.00	0.00	0.00	0.00	0.00	0.00	202.70	200.59	202.70	200.59
35	IARI, New Delhi	0.00	0.00	0.00	0.00	0.00	0.00	4427.00	4972.32	4427.00	4972.32
36	IWBR, Karnal	107.40	307.50	0.00	0.00	0.00	0.00	0.00	70.00	107.40	377.50
37	VPKAS, Almora	0.00	0.00	0.00	0.00	0.00	0.00	218.50	237.78	218.50	237.78
38	IIPR, Kanpur	0.00	0.00	0.00	238.00	0.00	0.00	0.00	21.65	0.00	259.65
39	IISR, Lucknow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	CRIJAF, Barrackpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	NRRI, Cuttack	0.00	0.00	0.00	0.00	0.00	0.00	1020.00	1156.87	1020.00	1156.87
42	IGFRI, Jhansi	0.00	0.00	0.00	0.00	0.00	0.00	12.00	13.31	12.00	13.31



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
43	DRMR, Bharatpur	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	100.00	0.00
44	IISR, Indore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	DGR, Junagadh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	CAZRI, Jodhpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	CICR, Nagpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.08	0.00	5.08
48	IIOR, Hyderabad	0.00	0.00	0.00	0.00	30.00	41.00	75.00	118.22	105.00	159.22
49	IIRR, Hyderabad	0.00	0.00	0.00	0.00	0.00	0.00	573.00	746.00	573.00	746.00
50	IIMR, Hyderabad	25.00	52.00	0.00	0.00	150.00	5222.00	20.00	40.00	195.00	5314.00
51	SBI, Coimbatore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	IISS, Mau	0.00	0.00	630.00	439.73	0.00	0.00	415.00	275.37	1045.00	715.10
53	IIMR, New Delhi	0.00	0.00	0.00	0.00	0.00	0.00	115.00	117.00	115.00	117.00
54	CCARI, Goa	0.00	0.00	0.00	0.00	0.00	0.00	25.00	35.00	25.00	35.00
55	CIARI, Port Blair	0.00	0.00	0.00	0.00	0.00	0.00	60.50	58.79	60.50	58.79
56	VSI, Pune	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	UAS, Raichur	0.00	0.00	835.00	727.25	3600.00	4461.25	1110.00	1440.00	5545.00	6628.50
58	RVSKVV, Gwalior	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	BAU, Sabour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	PAJANCOA & RI, Karaikal	0.00	0.00	0.00	0.00	0.00	0.00	40.00	44.58	40.00	44.58
61	UAHS, Shimoga	0.00	0.00	5.00	0.30	2770.00	2362.89	0.00	0.00	2775.00	2363.19
62	ICAR-RC, Manipur	223.25	251.27	3.00	3.90	834.60	948.33	6125.42	4411.16	7186.27	5614.66



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Target	Production
63	ANGRAU, Guntur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grand Total	1068.65	1219.63	37691.00	47244.56	89082.60	196226.55	37770.32	46568.39	165612.57	291259.13

Table 3: Summary of centre-wise total quality seed production**(in quintals)**

S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Grand Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Total	Production
1	SKUAS & T, Srinagar	141.25	139.75	1084.00	1022.38	3940.00	3250.00	0.00	0.00	5165.25	4412.13
2	SKUAS & T, Jammu	94.82	123.00	1324.00	1454.50	16.00	6.00	0.00	0.00	1434.82	1583.50
3	CSKHPKVV, Palampur	143.50	193.69	410.00	491.01	0.00	0.00	3415.00	4476.59	3968.50	5161.29
4	PAU, Ludhiana	0.00	0.00	11248.50	12077.85	19662.10	21004.32	14850.90	15761.36	45761.50	48843.53
5	CCSHAU, Hisar	1650.02	2192.94	6404.70	7022.34	9232.50	9938.44	1981.48	2243.89	19268.70	21397.61
6	SVPUA & T, Meerut	376.70	547.72	542.20	452.60	917.40	887.89	16.50	18.70	1852.80	1906.91
7	GBPUA & T, Pantnagar	7133.13	10889.65	6375.00	8657.00	985.00	1589.00	1384.00	2179.96	15877.13	23315.61
8	NDUA & T, Faizabad	1898.50	2026.03	6160.00	6756.50	0.00	0.00	5895.00	6283.58	13953.50	15066.11



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Grand Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Total	Production
9	CSAUA & T, Kanpur	908.31	1927.94	76.00	5293.99	0.00	116.16	0.00	247.74	984.31	7585.83
10	BHU, Varanasi	62.05	111.90	616.00	617.90	0.00	0.00	2593.50	3009.50	3271.55	3739.30
11	AAU, Jorhat	0.00	547.85	0.00	2324.18	0.00	2374.89	0.00	5744.05	0.00	10990.97
12	BAU, Ranchi	480.55	223.44	4210.00	3029.86	21325.00	116988.18	0.00	433.65	26015.55	120675.13
13	RPCAU, Pusa	0.00	0.00	2775.00	2863.74	182.50	182.08	265.00	263.63	3222.50	3309.45
14	BCKVV, Nadia	66.00	57.00	255.00	330.00	2923.00	2740.00	1799.00	1510.00	5043.00	4637.00
15	UBKV, Pundibari	0.00	0.00	612.25	418.24	596.00	2057.27	1002.50	543.91	2210.75	3019.42
16	OUA&T, Bhubaneshwar	1214.30	1131.93	2221.50	1728.30	1032.00	1203.40	18.00	21.99	4485.80	4085.62
17	SKRAU, Bikaner	0.00	0.00	0.00	0.00	0.00	0.00	940.50	1618.24	940.50	1618.24
18	MPUAT, Udaipur	369.06	346.81	1949.50	1776.55	1097.00	1046.54	50.00	48.72	3465.56	3218.62
19	SDAU, Sardarkrushinagar	316.38	435.66	0.00	0.00	0.00	0.00	1778.51	1790.69	2094.89	2226.35
20	AAU, Anand	0.00	642.96	0.00	740.25	0.00	2207.35	21.00	1783.65	21.00	5374.21
21	JAU, Junagarh	2065.87	3482.81	0.00	465.09	0.00	1292.40	80.00	6338.66	2145.87	11578.96
22	NAU, Navsari	121.70	132.90	390.00	541.25	2520.00	2815.14	688.50	1543.24	3720.20	5032.53
23	IGKVV, Raipur	158.00	968.95	5894.00	3179.27	3129.00	4035.63	0.00	236.96	9181.00	8420.81
24	JNKVV, Jabalpur	10419.85	17403.46	30139.00	36640.00	0.00	0.00	0.00	0.00	40558.85	54043.46
25	VNMKV, Parbhani	2874.76	2029.03	606.70	558.34	281.60	108.05	636.22	232.31	4399.28	2927.73
26	MPKV, Rahuri	346.52	515.98	2108.00	2319.15	6509.70	21965.90	1131.00	1490.77	10095.22	26291.80
27	PDKV, Akola	278.50	539.00	47.00	886.60	125.00	5736.20	336.50	459.30	787.00	7621.10



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Grand Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Total	Production
28	KKV, Dapoli	257.00	275.56	315.00	411.98	2105.00	1765.50	1518.00	1655.20	4195.00	4108.24
29	UAS, Bengaluru	0.00	0.00	1682.00	1974.00	56090.00	27078.00	3862.00	3843.00	61634.00	32895.00
30	UAS, Dharwad	10230.78	8079.20	4157.00	5649.58	32450.00	21754.84	8128.00	5608.31	54965.78	41091.93
31	PJTSAU, Hyderabad	824.46	1600.62	4635.50	5417.80	220.00	264.00	4367.80	4601.80	10047.76	11884.22
32	TNAU, Coimbatore	2494.59	1724.97	1810.00	1647.07	0.00	0.00	3883.30	3078.51	8187.89	6450.55
33	KAU, Trissur	16.21	100.69	0.00	0.00	0.00	0.00	785.50	1027.57	801.71	1128.26
34	CAU, Imphal	14.30	13.60	10.00	7.70	0.00	0.00	202.70	200.59	227.00	221.89
35	IARI, New Delhi	4159.42	5889.03	0.00	0.00	0.00	0.00	4476.00	5149.71	8635.42	11038.74
36	IWBR, Karnal	1317.54	1367.00	0.00	0.00	0.00	0.00	0.00	155.00	1317.54	1522.00
37	VPKAS, Almora	177.65	194.84	0.00	0.00	0.00	0.00	247.10	306.35	424.75	501.19
38	IIPR, Kanpur	354.35	663.53	0.00	238.00	0.00	0.00	0.00	39.54	354.35	941.07
39	IISR, Lucknow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	CRIJAF, Barrackpore	0.00	1.87	0.00	0.00	50.00	100.00	570.00	730.94	620.00	832.81
41	NRRI, Cuttack	902.00	851.50	0.00	0.00	0.00	0.00	1163.10	1320.84	2065.10	2172.34
42	IGFRI, Jhansi	131.90	164.71	0.00	0.00	0.00	0.00	210.90	266.54	342.80	431.25
43	DRMR, Bharatpur	0.00	0.00	0.00	0.00	0.00	0.00	824.00	1691.80	824.00	1691.80
44	IISR, Indore	234.00	315.50	30.00	40.00	0.00	0.00	60.00	69.00	324.00	424.50
45	DGR, Junagadh	581.22	164.70	0.00	0.00	0.00	0.00	40.00	34.60	621.22	199.30
46	CAZRI, Jodhpur	0.00	0.00	0.00	0.00	0.00	0.00	125.00	155.00	125.00	155.00



S. No.	Centre	Breeder seed		Foundation seed		Certified seed		Truthfully labelled seed		Grand Total	
		Target	Production	Target	Production	Target	Production	Target	Production	Total	Production
47	CICR, Nagpur	0.00	5.00	0.00	0.00	0.00	219.70	0.00	16.65	0.00	241.35
48	IIOR, Hyderabad	2.93	5.00	0.00	0.00	30.00	41.00	84.00	128.32	116.93	174.32
49	IIRR, Hyderabad	454.60	444.70	0.00	0.00	0.00	0.00	573.00	746.00	1027.60	1190.70
50	IIMR, Hyderabad	42.87	111.03	0.00	0.00	150.00	5222.00	20.00	40.00	212.87	5373.03
51	SBI, Coimbatore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	IISS, Mau	50.00	57.70	907.00	613.63	50.00	18.00	463.00	305.97	1470.00	995.30
53	IIMR, New Delhi	38.50	55.40	440.00	562.00	0.00	0.00	215.00	232.00	693.50	849.40
54	CCARI, Goa	9.00	6.00	25.00	17.10	0.00	0.00	25.00	35.00	59.00	58.10
55	CIARI, Port Blair	5.45	5.05	0.00	0.00	0.00	0.00	61.60	60.00	67.05	65.05
56	VSI, Pune	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	UAS, Raichur	0.00	0.00	2019.00	2129.68	6208.00	6699.25	2070.83	2251.15	10297.83	11080.08
58	RVSKVV, Gwalior	5834.00	9918.10	0.00	0.00	0.00	0.00	0.00	42.68	5834.00	9960.78
59	BAU, Sabour	1240.38	549.00	1480.00	4019.00	0.00	2285.00	0.00	405.00	2720.38	7258.00
60	PAJANCOA & RI, Karaikal	9.00	35.34	11.00	11.40	3.00	3.30	66.00	75.53	89.00	125.57
61	UASH, Shimoga	275.00	226.26	206.00	181.03	6520.00	5736.06	1163.00	1056.47	8164.00	7199.82
62	ICAR-RC, Manipur	258.90	296.72	6.60	9.55	835.20	949.53	6237.22	4588.46	7337.92	5844.26
63	ANGRAU, Guntur	12621.30	14132.20	0.00	0.00	0.00	0.00	0.00	0.00	12621.30	14132.20
	Grand Total	73657.12	93865.22	103182.45	124576.41	179185.00	273681.02	80325.16	98198.62	436349.73	590321.27

Table 4: Summary of centre-wise planting material's production

S. No.	Centre	Planting material (q)		Planting material (lakhs)		Tissue culture plantlets (lakhs)	
		Target	Production	Target	Production	Target	Production
1	CSKHPKV, Palampur	-	-	6.00	7.66	-	-
2	PAU, Ludhiana	1250.00	1381.00	0.35	0.36	-	-
3	AAU, Jorhat	-	-	10.00	17.73	-	-
4	BAU, Ranchi	11000.0	6000.00	-	-	-	-
5	AAU, Anand	-	-	114.00	26.10	-	-
6	JAU, Junagarh	-	896.80	-	-	-	-
7	NAU, Navsari	5000.00	3467.00	0.30	0.35	2.10	1.43
8	IGKV, Raipur	-	-	-	0.50	-	-
9	MPKV, Rahuri	-	-	15.00	55.78	-	-
10	KKV, Dapoli	-	-	4.50	4.50	-	-
11	UAS, Dharwad	205.00	100.00	2.25	2.08	-	-
12	PJTSAU, Hyderabad	-	-	1.50	2.00	-	-
13	TNAU, Coimbatore	997.50	1050.16	34.40	36.31	-	-
14	IISR, Lucknow		8700.00	-	-	-	-
15	CRIJAF, Barrackpore	2.00	2.50	1.100	8.17	-	-
16	IGFRI, Jhansi	-	-	1.50	1.82	-	-
17	SBI, Coimbatore	7550.00	8778.00	-	-	0.50	0.51
18	CCARI, Goa	-	-	0.05	0.10	-	-
19	VSI, Pune	-	-	97.80	75.82	-	-
20	PAJANCOA & RI, Karaikal	-	-	0.05	0.05	-	-
21	UAHS, Shimoga	50.00	46.35	-	-	-	-
	Grand Total	26054.5	30421.81	288.80	239.32	2.60	1.94



HRD/Capacity Building

Having a mandate of Human Resource Development in seed domain, various modules of trainings have been carried out by varied cooperating centres to cater the need of seed producing personnel including farmers, trainers and employees (field staff) of State Seed Certification Agency/ State Seed Corporation/ Seed Producer Companies and NGOs. Trainings were mainly focused on seed production, processing, storage, packaging, quality enhancement, quality control and seed health management. According to crop season, need and type of beneficiary, trainings were imparted under ICAR Seed Project on regular basis under Human Resource Development (HRD) component. Special training programmes on quality seed production for farmers of tribal areas were also initiated under Tribal Sub Plan component in selected cooperating centres across the country.

In-toto 437 trainings/field days were organized for varied stakeholders during the year 2016-17. Similarly 58 Exhibitions/ Kisanmelas/KisanGoshtis were organized on diverse themes related to seed by different cooperating centres across the country.

Capacity building programmes (HRD) under ICAR Seed Project

S. No.	Center	No. of Training/ Field day / Seed day	No. of Beneficiaries	No. of Exhibition/ KisanMela/ KisanGoshti	No. of Beneficiaries	Publication	Award
1	SKUAS & T, Srinagar	11	857	2	5290	9	2
2	SKUAS & T, Jammu	9	407	-	-	2	-
3	CSKHPKVV, Palampur	-	-	-	-	-	-
4	PAU, Ludhiana	-	-	-	-	-	-
5	CCSHAU, Hisar	4	125	3	2000	7	
6	SVPVA & T, Meerut	-	-	4	18347	12	1



S. No.	Center	No. of Training/ Field day / Seed day	No. of Beneficiaries	No. of Exhibition/ KisanMela/ KisanGoshti	No. of Beneficiaries	Publication	Award
7	GBPUA &T, Pantnagar	-	-	-	-	-	-
8	NDUA & T, Faizabad	-	-	-	-	6	-
9	CSAUA & T, Kanpur	2	290	1	2500	-	-
10	BHU, Varanasi	6	265	2	1000	1	-
11	AAU, Jorhat	23	700	-	-	-	-
12	BAU, Ranchi	14	628	1	1800	6	-
13	RPCAU, Pusa	-	-	-	-	-	-
14	BCKVV, Nadia	4	312	3	3400	2	-
15	UBKV, Pundibari	54	828	-	-	3	-
16	OUA&T, Bhubaneshwar	4	500	-	-	12	-
17	SKRAU, Bikaner	5	491	2	17000	-	-
18	MPUAT, Udaipur	3	174	-	-	-	-
19	SDAU, S.K. Nagar	-	-	-	-	-	-
20	Anand A.U. Anand	11	496	1	10000	4	-
21	Junagarh A.U. Junagarh	2	2037	2	98000	7	-
22	Navsari A.U. Navsari	4	628	1	74	4	-
23	IGKVV, Raipur	5	252	1	600	4	-
24	JNKVV, Jabalpur	4	2150	-	-	-	1
25	VNMKV, Parbhani	7	935	3	6055	3	-
26	MPKVV, Rahuri	-	-	-	-	-	-



S. No.	Center	No. of Training/ Field day / Seed day	No. of Beneficiaries	No. of Exhibition/ KisanMela/ KisanGoshti	No. of Beneficiaries	Publication	Award
27	PDKV, Akola	10	997	3	-	3	-
28	KKV, Dapoli	13	854	2	121	-	-
29	UAS, Bengaluru	8	398	-	-	38	-
30	UAS, Dharwad	6	498	2	1010000		-
31	ANGRAU, AP/ PJTSAU	6	729			2	-
32	TNAU, Coimbatore	7	650	2	1760	14	-
33	KAU, Trissur	7	525	-	-	2	-
34	CAU, Imphal	-	-	-	-	-	-
35	IARI, New Delhi	55	4119	5	8760	15	1
36	IWBR, Karnal	4	1480	1	60	14	1
37	VPKAS, Almora	2	54	3	2060	1	-
38	IIPR, Kanpur	3	550	1	2000	9	-
39	IISR, Lucknow	-	-	-	-	-	-
40	CRIJAF, Barrackpore	2	280	-	-	3	-
41	NRRI, Cuttack	2	190	-	-	-	-
42	IGFRI, Jhansi	2	104	-	-	-	-
43	DRMR, Bharatpur	2	61	1	400	1	-
44	IISR, Indore	-	-	-	-	2	-
45	DGR, Junagadh	2	367	-	-	2	-
46	CAZRI, Jodhpur	1	130	-	-	-	-



S. No.	Center	No. of Training/ Field day / Seed day	No. of Beneficiaries	No. of Exhibition/ KisanMela/ KisanGoshti	No. of Beneficiaries	Publication	Award
47	CICR, Nagpur	7	1580	-	-	-	-
48	IIOR, Hyderabad	7	1020	1	1200	-	-
49	IIRR, Hyderabad	2	1050	-	-	-	-
50	IIMR, Hyderabad	2	260	1	250	1	-
51	SBI, Coimbatore	2	150	1	2500	2	-
52	IISS, Mau	26	-	1	-	-	-
53	IIMR, New Delhi	2	309	2	-	-	-
54	CCARI, Goa	2	74	-	-	-	-
55	CIARI, Port Blair	4	170	-	-	2	-
56	VSI, Pune	9	1178	1	150000	2	-
57	UAS, Raichur	19	2914	1	215000	22	-
58	RVSKVV, Gwalior	1	24	-	-	-	-
59	BAU, Sabour	5	125	1	40000	-	-
60	PAJANCOA & RI, Karaikal	3	313	1	100	2	-
61	UASH, Shimoga	4	550	1	100000	-	-
62	ICAR-RC, Manipur	38	3162	1	250	3	-
63	ANGRAU, Guntur	-	-	-	-	-	-
	Total	437	36940	58	1700527	222	6



Financial Statement

During the financial year 2016-17, field crops component of this project was implemented in 62 cooperating centres, which include 39 SAU's, 22 ICAR institutes and one non ICAR institute. An amount of Rs. 557.90 lakh was released for the year 2016-17, of which Rs. 75.80 lakh was allocated for travelling allowance, Rs. 86.25 lakh for Human Resource Development (HRD), Rs. 335.85 lakh for Other Recurring Contingency component and Rs. 60.00 lakh was allocated for Tribal Sub Plan (TSP).

State - wise/ centre - wise release of fund and its expenditure

Allocation of funds & expenditure incurred during X, XI, and XII plan periods under ICAR Seed Project "Seed Production in Agricultural Crops"

(Rs. in lakh)

S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
1	Andhra Pradesh														
	1. PJTSAU/ ANGRAU, Hyderabad	606.35	143.73	18.00	14.00	23.50	10.00	10.85	598.34	149.97	17.53	16.39	9.67	20.83	6.00
	2. IIOR, Hyderabad	47.60	83.01	8.50	7.50	7.00	6.50	8.00	47.76	80.81	8.15	7.49	4.49	6.57	7.31
	3. IIRR, Hyderabad	121.00	55.56	7.00	5.50	5.50	5.50	1.30	115.65	51.88	6.39	4.74	1.90	6.57	-
	4. IIMR, Hyderabad	51.20	103.99	6.50	5.50	5.50	5.50	4.60	47.43	98.63	2.31	9.30	3.65	0.00	8.66
	Total	826.15	386.29	40.00	32.50	41.50	27.50	24.75	809.18	381.29	34.39	37.92	19.70	33.97	21.97
2	Andaman &														



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	Nicobar Islands														
	1. CIARI, Port Blair	78.20	67.08	5.00	6.50	7.00	7.00	7.00	38.48	27.42	2.56	2.10	4.65	4.73	6.93
	Total	78.20	67.08	5.00	6.50	7.00	7.00	7.00	38.48	27.42	2.56	2.10	4.65	4.73	6.93
3	Bihar														
	1. RPCAU, Pusa	289.00	113.00	8.00	4.00	10.50	9.50	9.10	125.71	253.98	0.00	1.52	5.41	8.74	12.42
	2. BAU, Sabour					30.56	10.00	8.25					1.50	30.84	4.18
	Total	289.00	113.00	8.00	4.00	41.06	19.50	17.35	125.71	253.98	0.00	1.52	6.90	39.57	16.60
4	Chhattisgarh														
	1. IGKV, Raipur	433.10	107.58	10.25	9.00	21.70	9.00	9.00	389.72	98.51	8.98	8.08	9.36	8.88	8.98
	Total	433.10	107.58	10.25	9.00	21.70	9.00	9.00	389.72	98.51	8.98	8.08	9.36	8.88	8.98
5	Delhi														
	1. IARI, New Delhi	469.00	207.28	10.25	9.00	9.00	9.00	5.85	461.92	180.63	13.38	2.17	6.20	16.57	5.63
	2. IIMR, New Delhi	17.00	36.14	7.00	6.50	16.50	4.05	6.50	16.86	21.94	3.46	5.36	18.70	4.05	6.22
	Total	486.00	243.42	17.25	15.50	25.50	13.05	12.35	478.78	202.57	16.84	7.54	24.90	20.62	11.85
6	Gujarat														
	1. AAU, Anand	432.36	70.73	12.00	8.50	11.00	8.50	9.00	328.30	169.22	11.84	8.86	5.67	6.10	10.68
	2. JAU, Junagadh	453.86	103.99	15.40	13.00	13.00	9.00	12.00	372.61	184.20	10.53	13.66	11.38	12.10	12.24
	3. NAU, Navsari	317.06	107.98	14.00	13.00	19.65	9.00	9.85	296.58	128.13	6.71	17.75	9.92	5.49	9.04
	4. SDAU, S.K. Nagar	481.90	86.59	8.50	7.50	8.00	8.00	6.85	466.06	65.50	8.44	7.99	7.87	0.01	0.17
	5. DGR, Junagadh	78.70	86.78	7.00	5.50	5.50	5.50	5.50	22.74	24.98	5.70	5.09	5.58	6.37	5.18
	Total	1763.88	456.07	56.90	47.50	57.15	40.00	43.20	1486.30	572.03	43.23	53.36	40.41	30.06	37.31
7	Goa														



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	1. CCARI, Goa	67.71	37.50	8.00	5.50	5.50	5.50	5.60	53.60	27.63	6.45	6.13	4.65	4.33	4.58
	Total	67.71	37.50	8.00	5.50	5.50	5.50	5.60	53.60	27.63	6.45	6.13	4.65	4.33	4.58
8	Himachal Pradesh														
	1. CSKHPKV, Palampur	252.90	165.25	9.75	7.50	7.50	8.00	8.00	252.90	164.99	9.74	7.49	5.13	6.81	8.20
	Total	252.90	165.25	9.75	7.50	7.50	8.00	8.00	252.90	164.99	9.74	7.49	5.13	6.81	8.20
9	Haryana														
	1. CCS HAU, Hissar	584.52	111.03	9.00	9.00	9.00	9.00	9.00	579.81	104.62	2.92	1.06	3.76	6.89	-
	2. IIWBR, Karnal	33.80	68.57	7.00	5.50	5.50	5.50	4.35	33.64	58.98	4.58	6.62	1.83	4.28	4.82
	Total	618.32	179.60	16.00	14.50	14.50	14.50	13.35	613.45	163.60	7.51	7.69	5.59	11.17	4.82
10	Jharkhand														
	1. BAU, Ranchi	262.20	134.47	14.50	14.00	19.00	11.00	9.85	262.20	134.19	8.34	13.31	8.81	12.57	8.66
	Total	262.20	134.47	14.50	14.00	19.00	11.00	9.85	262.20	134.19	8.34	13.31	8.81	12.57	8.66
11	Jammu & Kashmir														
	1. SKUAS&T, Sri Nagar	332.05	104.52	8.50	7.00	30.60	7.00	5.85	320.93	115.61	8.22	7.52	26.91	6.90	-
	2. SKUAS&T, Jammu	390.15	123.47	12.00	11.00	36.00	10.00	9.60	390.15	71.34	8.22	5.89	15.87	10.05	16.75
	Total	722.20	227.99	20.50	18.00	66.60	17.00	15.45	711.08	186.94	16.44	13.41	42.79	16.95	16.75
12	Karnataka														
	1. UAS, Bengaluru	572.30	111.29	14.00	9.00	16.00	10.00	8.85	562.47	104.03	13.35	8.72	9.47	12.47	13.71
	2. UAS, Dharwad	550.50	96.63	16.50	14.00	29.00	10.00	13.00	393.23	198.28	14.56	13.46	13.28	8.46	11.69
	3. UAS, Raichur					14.00	8.00	11.00					7.81	8.03	16.43



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	4. UASH Shimoga					5.00	4.50	1.00					2.97	3.05	2.60
	Total	1122.80	207.92	30.50	23.00	64.00	32.50	33.85	955.70	302.31	27.91	22.18	33.52	32.02	44.43
13	Kerala														
	1. KAU, Trissur	450.99	56.98	9.09	9.00	18.90	9.00	9.35	427.57	45.19	8.02	8.05	7.52	35.07	22.57
	Total	450.99	56.98	9.09	9.00	18.90	9.00	9.35	427.57	45.19	8.02	8.05	7.52	35.07	22.57
14	Maharashtra														
	1. MAU, Parbhani	564.70	109.98	8.75	8.00	38.00	8.00	9.00	567.39	95.40	0.48	0.50	3.33	15.61	9.34
	2. MPKV, Rahuri	601.38	83.69	8.75	8.00	19.50	8.00	1.55	599.22	78.03	5.76	4.55	5.39	15.38	1.41
	3. PDKV, Akola	433.70	93.59	10.01	8.00	14.50	8.00	6.85	220.92	301.47	9.23	7.72	7.42	14.00	7.10
	4. KKV, Dapoli	450.20	88.32	13.50	12.50	19.00	11.50	14.00	432.69	83.61	9.28	7.49	14.22	10.73	10.44
	5. CICR, Nagpur	141.60	129.30	6.00	5.50	5.50	5.50	4.60	125.32	113.15	1.93	1.74	0.33	0.41	3.17
	6. VSI, Pune	31.30	70.11	8.50	6.50	17.50	6.50	7.60	31.25	71.46	6.50	6.50	6.51	18.10	6.50
	Total	2222.88	574.99	55.51	48.50	114.00	47.50	43.60	1976.79	743.11	33.18	28.49	37.20	74.24	37.97
15	Madhya Pradesh														
	1. JNKVV, Jabalpur	626.53	92.32	10.50	9.00	19.00	9.00	7.85	608.46	103.06	8.88	6.79	6.64	13.96	-
	2. RVSKVV, Gwalior					51.20	8.20	10.20					5.42	38.70	8.20
	3. IISR, Indore	86.95	37.31	9.00	8.00	7.50	7.00	7.35	82.24	16.14	3.28	3.74	2.17	3.26	4.80
	Total	713.48	129.63	19.50	17.00	77.70	24.20	25.40	690.70	119.20	12.15	10.53	14.23	55.92	12.99
16	Orissa														
	1. OUAT, Bhubaneswar	397.28	97.44	14.75	14.00	24.00	9.00	12.00	333.13	97.21	6.48	11.02	11.83	11.79	-
	2. NRRI, Cuttack	282.90	67.98	9.00	6.00	6.00	6.00	5.60	267.57	64.11	9.66	3.92	4.55	4.86	-
	Total	680.18	165.42	23.75	20.00	30.00	15.00	17.60	600.70	161.32	16.15	14.94	16.38	16.64	-
17	Punjab														
	1. PAU, Ludhiana	568.34	139.80	10.50	9.00	27.00	9.00	9.00	528.89	172.86	9.39	8.14	8.31	24.76	8.19



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	Total	568.34	139.80	10.50	9.00	27.00	9.00	9.00	528.89	172.86	9.39	8.14	8.31	24.76	8.19
	Puducherry														
	1. PAJANCOA & RI Karaikal					36.00	7.00	10.00					6.96	22.53	20.71
	Total	0.00	0.00	0.00	0.00	36.00	7.00	10.00	0.00	0.00	0.00	0.00	6.96	22.53	20.71
18	Rajasthan														
	1. SKRAU, Bikaner	424.77	178.31	8.00	8.00	16.00	8.00	9.00	423.69	176.77	3.06	3.47	5.48	3.01	8.65
	2. MPUA&T, Udaipur	486.08	181.04	8.00	8.00	21.89	4.55	1.55	469.13	164.29	7.23	7.37	5.50	4.51	15.44
	3. DRMR, Bharatpur	46.50	44.60	8.50	8.00	7.50	7.50	9.00	38.52	23.87	5.14	6.80	5.83	5.10	11.22
	4. CAZRI, Jodhpur	129.40	135.19	7.00	6.50	6.50	6.50	6.50	64.65	46.69	2.26	5.85	2.87	5.33	4.19
	Total	1086.75	539.14	31.50	30.50	51.89	26.55	26.05	995.99	411.62	17.69	23.50	19.68	17.95	39.51
19	Tamil Nadu														
	1. TNAU, Coimbatore	605.00	122.11	10.75	9.00	19.00	9.00	10.00	599.59	127.52	5.06	13.61	9.00	20.08	10.00
	2. SBI, Coimbatore	53.42	73.21	8.50	7.50	18.00	7.50	10.00	37.51	56.42	6.10	4.54	7.98	10.35	9.97
	Total	658.42	195.32	19.25	16.50	37.00	16.50	20.00	637.10	183.94	11.17	18.14	16.98	30.44	19.97
20	Uttar Pradesh														
	1. SVPUA&T, Meerut	298.15	57.32	9.25	9.00	9.00	9.00	9.00	277.84	91.68	6.40	18.73	1.74	9.62	0.96
	2. NDU A&T, Faizabad	446.15	57.19	7.75	2.50	8.00	4.30	1.55	360.01	113.82	5.71	0.28	1.51	-	-
	3. CSAUA&T,	544.57	78.00	8.00	9.00	9.00	9.00	6.85	491.26	69.04	7.75	6.83	0.52	8.50	6.85



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	Kanpur														
	4. BHU, Varanasi	221.22	142.22	10.75	8.00	8.00	9.00	7.85	161.62	201.82	10.75	8.00	7.29	9.71	7.92
	5. IIPR, Kanpur	104.92	107.14	8.00	6.50	21.00	6.50	6.50	84.03	17.61	1.73	3.68	12.45	9.72	7.60
	6. IISR, Lucknow	83.75	52.82	7.00	6.50	6.50	6.50	6.50	83.73	24.07	2.40	6.51	6.23	6.66	6.50
	7. IGFR, Jhansi	129.75	47.12	6.50	5.50	5.50	5.50	4.60	124.50	26.66	4.51	3.77	5.27	3.45	3.16
	8. IISS, Mau	164.35	45.91	9.00	7.00	8.00	8.00	9.00	164.35	45.91	7.87	6.58	5.37	6.65	24.82
	IISS, Mau (Co-unit)	0.00	0.00	11.00	25.50	43.55	37.00	37.25	0.00	0.00	10.17	5.31	17.29	12.25	-
	Total	1992.86	587.72	77.25	79.50	118.55	94.80	89.10	1747.33	590.61	57.30	59.69	57.66	66.56	57.80
21	Uttarakhand														
	1. GBPUA&T, Pantnagar	583.12	89.91	10.00	9.00	11.00	9.00	9.00	582.86	84.98	0.00	8.74	9.72	7.93	8.69
	2. VPKAS, Almora	89.25	69.29	7.50	7.00	7.50	7.50	6.60	89.25	69.26	5.43	5.43	4.59	11.10	6.72
	Total	672.37	159.20	17.50	16.00	18.50	16.50	15.60	672.11	154.24	5.43	14.17	14.31	19.03	15.41
22	West Bengal														
	1. BCKV, Mohanpur	209.30	84.63	8.25	7.50	24.35	7.50	6.60	199.97	100.81	14.55	1.24	2.62	7.62	-
	2. UBKV, Pundibari	270.25	145.03	11.50	9.00	24.50	9.00	9.00	248.16	135.73	5.57	12.59	8.81	23.44	8.36
	3. CRIJAF, Barrackpore	91.15	109.58	7.50	6.50	6.50	6.50	6.50	77.88	98.89	11.89	6.26	4.21	7.74	-
	Total	570.70	339.24	27.25	23.00	55.35	23.00	22.10	526.01	335.43	32.01	20.10	15.64	38.80	8.36
23	Assam														
	1. AAU, Jorhat	453.18	178.78	14.25	14.25	25.30	12.50	13.25	435.70	194.20	11.51	10.21	12.23	23.73	9.74
	Total	453.18	178.78	14.25	14.25	25.30	12.50	13.25	435.70	194.20	11.51	10.21	12.23	23.73	9.74
24	Manipur														



S. No.	Centre	Fund released							Expenditure						
		X Plan	XI Plan	2012-13	2013-14	2014-15	2015-16	2016-17	X plan	XI plan	2012-13	2013-14	2014-15	2015-16	2016-17
	1. CAU, Imphal	354.42	107.39	8.00	8.50	30.50	10.50	10.50	120.34	271.69	7.57	2.73	9.08	10.19	16.56
	2. ICAR-RC, NEH Region, Manipur Centre, Imphal					117.75	49.00	46.60					0.00	36.13	120.59
	Total	354.42	107.39	8.00	8.50	148.25	59.50	57.10	120.34	271.69	7.57	2.73	9.08	46.32	137.14
	Grand total Non NEH & NEH	17347.03	5499.78	550.00	489.25	1129.45	565.60	557.90	15536.34	5898.88	403.94	399.40	442.59	693.65	581.45
	Grand total NEH	807.60	286.17	22.25	22.75	173.55	72.00	70.35	556.04	465.89	19.08	12.93	21.31	70.04	146.88
	Grand total Non NEH	16539.43	5213.61	527.75	466.50	955.90	493.60	487.55	14980.30	5432.99	384.86	386.47	421.29	623.61	434.57
	Grand total Non NEH & NEH	17347.03	5499.78	550.00	489.25	1129.45	565.60	557.90	15536.34	5898.88	403.94	399.40	442.59	693.65	581.45

Note: Statement of Expenditure and AUC from few SAUs & ICAR institutes for the amount released during 2016-17 is awaited.

Centre - wise Seed Production Achievements

1. Centre : Sher- e- Kashmir University of Agricultural Sciences & Technology of Kashmir (Division of Plant Breeding & Genetics)
Shalimar Campus, Srinagar 191 121, Jammu & Kashmir

Nodal Officer: M. Ashraf Bhat
Prof. & Head, Div. of G&PB
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Summary

University farms	(in quintals)					
Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	36.80	37.60	104.45	102.15	141.25	139.75
Foundation seed	843.00	784.38	241.00	238.00	1084.00	1022.38
Total	879.80	821.98	345.45	340.15	1225.25	1162.13
Farmers' field	(in quintals)					
Certified seed	3450.00	2880.00	490.00	370.00	3940.00	3250.00
Total	3450.00	2880.00	490.00	370.00	3940.00	3250.00

Quality seed production at university farms

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Shalimar Rice-1	140-145	1 st week of June	2.00	2.00
	Jhelum	135-140	1 st week of June	11.00	11.00
	Shalimar Rice-2	140-143	1 st week of June	3.00	3.00
	Shalimar Rice-3	140-145	1 st week of June	7.00	6.85
	K-332	130-135	1 st week of June	2.00	2.00
Maize	KG-1	120-125	15 April to 01 May	0.30	0.30
	KG-2	120-125	15 April to 01 May	0.30	0.30
	Shalimar Maize Composite-4	140-145	25 April to 15 May	7.00	7.50
	Shalimar Maize Composite-3	135-140	15 April to 01 May	0.30	0.30
	Shalimar Maize Composite-5	135-140	15 April to 01 May	0.50	0.50
	Shalimar Maize	140-145	25 April to 15 May	1.00	1.50

	Composite-7		May		
Pulses					
Moongbean	Shalimar Moong 1	105-115	2 nd fortnight of June	1.50	1.45
	Shalimar Moong 2	95-100	2 nd fortnight of June	0.30	0.30
Rajmash	Shalimar Rajmash-1	120-125	1st fortnight of May	0.30	0.30
Cowpea	Shalimar Cowpea-1	115-120	1st fortnight of May	0.30	0.30
Total				36.80	37.60

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Shalimar Rice-1	140-145	1 st week of June	100.00	95.30
	Jhelum	135-140	1 st week of June	600.00	546.46
	Shalimar Rice-2	140-143	1 st week of June	30.00	30.20
	Shalimar Rice-3	140-145	1 st week of June	50.00	51.97
	K-332	130-135	1 st week of June	50.00	47.45
Maize	Shalimar Maize Composite-4	140-145	25 April to 15 May	10.00	10.00
	Shalimar Maize Composite-3	135-140	15 April to 01 May	1.00	1.00
	Shalimar Maize Composite-7	140-145	25 April to 15 May	2.00	2.00
Total				843.00	784.38

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Shalimar wheat-1	220-225	1 st fortnight of Oct	1.50	1.00
	Shalimar wheat-2	220-225	1 st fortnight of Oct	15.00	14.50
Pulses					
Pea	Shalimar Pea-1	210-215	1 st fortnight of Oct	1.00	0.87
Lentil	Shalimar Massor 1	200-205	1 st fortnight of Oct.	1.75	1.68
	Shalimar Massor 2	199-203	1 st fortnight of Oct.	0.70	0.66
Oilseeds					

Mustard	KS-101	230-235	1 st fortnight of Oct.	1.50	1.30
	Shalimar Brown Sarson-1	225-230	1 st fortnight of Oct.	1.00	1.00
Forage crops					
	Sabzar	225-230	2 nd fortnight of Oct	75.00	73.47
Oats	Shalimar Oats 1	225-230	2 nd fortnight of Oct	3.00	2.63
	Shalimar Oats 4	222-225	2 nd fortnight of Oct	4.00	5.04
Total				104.45	102.15
Cereals				Foundation seed	
Paddy	Shalimar wheat-1	220-225	1 st fortnight of Oct.	1.00	1.00
	Shalimar wheat-2	220-225	1 st fortnight of Oct.	55.00	54.53
Mustard	KS-101	230-235	1 st fortnight of Oct.	25.00	22.53
Forage crops					
	Sabzar	225-230	2 nd fortnight of Oct	160.00	159.94
Total				241.00	238.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Shalimar Rice-1	140-145	1 st week of June	200.00	150.00
	Jhelum	135-140	1 st week of June	2500.0	2100.00
	Shalimar Rice 2	140-143	1 st week of June	200.00	150.00
	Shalimar Rice-3	140-145	1 st week of June	200.00	150.00
	Mushjbudji	130-135	1 st week of June	50.00	50.00
Maize	C-8	135-145	25 April to 15 May	100.00	90.00
	C-15	130-135	15 April to 01 May	100.00	100.00
	Shalimar Maize composite-3	125-130	15 April to 01 May	50.00	50.00
	Shalimar Maize composite-5	130-135	15 April to 01 May	50.00	40.00
Total				3450.0	2880.00
<i>Rabi 2016-17</i>					
Cereals					
Wheat	Shalimar wheat-1	220-225	1 st fortnight of Oct	200.00	150.00
	HS-240	230-235	1 st fortnight of Oct	10.00	10.00
Oilseeds					
Mustard	KS-101	230-235	1 st fortnight of Oct	120.00	100.00

Forage crops					
Oats	Sabzar	225-230	2 nd fortnight of Oct	150.00	100.00
	Shalimar fodder oats-1	225-230	2 nd fortnight of Oct	10.00	10.00
Total				490.00	370.00

2. Centre : Sher -e- Kashmir University of Agricultural Sciences & Technology- Jammu (Division of Division of Agronomy, Faculty of Agriculture) Main Campus Chatha, Jammu 180009

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Summary

University farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	12.70	17.80	82.12	105.20	94.82	123.00
Foundation seed	520.00	655.00	804.00	799.50	1324.00	1454.50
Certified seed	6.00	6.00	10.00	0.00	16.00	6.00
Total	538.70	678.80	896.12	904.70	1434.82	1583.50

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Pusa-1121	120	First week of July	2.00	2.50
	Basmati-370	150	First week of July	5.00	5.20
	Jaya	110	Last week of July	1.00	1.00
	K-39	105	Last week of July	1.00	1.00
	K-448	105	Last week of July	2.00	2.10
	Giza-14	100	Last week of July	0.20	0.50
Maize	HQPM-4	95	Last week of June	0.00	4.00
Pulses					
Moong	ML 818	75	Last week of June	0.50	0.50
Black gram	Uttra	85	Last week of June	1.00	1.00
Total				12.70	17.80

Cereals				Foundation seed	
Paddy	Pusa-1121	120	First week of July	20.00	25.00
	Basmati-370	150	First week of July	400.00	520.00
	Jaya	110	Last week of July	100.00	110.00
Total				520.00	655.00
Pulses				Certified seed	
Black gram	Uttra	85	Last week of June	6.00	6.00
Total				6.00	6.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	VL 907	160	October	20.00	25.00
	HPW 349	155	Oct.-Nov.	16.00	20.00
	WH 1080	162	October	20.00	25.00
	WH 1105	165	November	16.00	20.00
	RSP 561	155	November	10.00	15.00
Oilseeds					
Toriya	DGS-1	155	Mid October	0.05	0.07
	RSPN 25	156	Mid October	0.05	0.08
	RSPR-01	148	3 rd week of October	0.02	0.05
Total				82.12	105.20
Cereals				Foundation Seed	
Wheat	VL 907	160	October		4.00
	WH 1080	162	October	600.00	630.00
	HD 2967	160	Oct.-Nov.	100.00	110.00
Pulses					
Chickpea	GNG- 1581		October	2.00	2.00
	Rajmash		October		1.50
Oilseeds					
	RSPN 25	156	Mid October	2.00	2.00
Forage crops					
Oats	Sabzar	180	October	100.00	50.00
Total				804.00	799.50
				Certified seed	
Forage crops					
Oats				10.00	0.00

Total				10.00	0.00
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**3. Centre : CSK Himachal Pradesh Krishi Vishvavidyalaya
Palampur 176 062, Himachal Pradesh
(Department of Seed Science & Technology)**

**Nodal Officer: Dr. J.K. Sharma
Nodal Officer (Seed)
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Summary

University farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	68.60	85.99	74.90	107.70	143.50	193.69
Foundation seed	84.40	114.52	325.60	376.49	410.00	491.01
Total	153.00	200.51	400.50	484.19	553.50	684.70
Planting materials	(in lakh)					
Planting material	6.00	7.66			6.00	7.66
Total	6.00	7.66			6.00	7.66
Farmers' field	(in quintals)					
Truthfully labelled seed	360.00	522.14	3055.00	3954.45	3415.00	4476.59
Total	360.00	522.14	3055.00	3954.45	3415.00	4476.59

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Maize	BajMakka	85-95	May 15-30 (High hill) May 20 Jun 15 (Mid hill)	1.00	1.30
	Girija			1.00	1.30
	Early composite			1.00	1.90
	Baj popcorn	105-110		0.20	0.42
	Baby corn VL 78			0.20	0.25
Paddy	HPR 2143	125-135	May 20-Jun 10	5.00	7.20
	HPR 1068	120-125		5.00	4.00
	HPR 2720			1.00	3.00
	HPR 2612			5.00	5.70

	Kasturi Basmati	135-145		5.00	5.00
	VL Dhan 221	105-110		0.50	1.00
	Pusa 1509	115-125		1.00	1.40
	Pusa 1121	135-145		1.00	1.20
	HPR 2880			1.00	1.00
	HPR 2656			2.00	2.90
Pulses					
Mash	T 9	75-80		0.30	
	Palampur 93	80-85		1.00	0.50
	Him Mash 1			10.00	11.60
	Pant U 19			0.50	0.35
Rajmash	Baspa	80-90	May 10-30	1.50	2.92
	Kailash	75-80		0.50	0.30
	Jwala			1.00	2.00
Cowpea	C475/C519			0.40	0.20
Arhar	Sarita			0.50	0.30
Oilseeds					
Soybean	Hara Soya	115-125	June 20-30	5.00	5.00
	Palam Soya			4.00	5.00
	Himso 1588			1.00	5.00
	Shivalik			2.00	2.00
Til	LTK 4	80-85	Jun 10-20	4.00	4.00
Toria	Bhawani	45-50	Sep 10-30	2.00	1.50
Forage crops					
Maize	African tall	120-130	Jun 1-10	5.00	7.75
Total				68.60	85.99

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	HPR 2143	125-135	May 20-Jun 10	15.00	12.00
	HPR 1068	120-125		5.00	4.00
	HPR 2720			5.00	6.00
	Pusa 1509	115-125		15.00	20.70
Pulses					
Mash	T 9	75-80			20.50
	Palampur 93	80-85		1.00	4.00
	Him Mash 1			10.00	15.50

	Pant U 19			5.00	1.50
	UG 218			5.00	6.50
Moong	Suketi	80-85		0.50	0.16
	IPM-02-3			0.50	0.18
Cowpea	C475/C519			0.50	0.46
Arhar	Sarita			0.50	0.30
Oilseeds					
Soybean	Hara Soya	115-125	June 20-30	8.00	12.50
	Palam Soya			1.00	3.50
Toria	Bhawani	45-50	Sep 10-30	8.00	4.00
Forage crops					
Maize (F)	African tall	120-130	Jun 1-10	4.00	2.10
Setaria	PSS 1	140-150	Jun 15-30	0.10	0.15
White clover	P Clover 1			0.10	0.15
Fescue grass	P Fescue 1			0.10	0.20
Rye grass	P Rye grass			0.10	0.12
Total				84.40	114.52

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HPW 155	170-190		10.00	9.80
	HPW 236		Nov 10-25	3.00	17.90
	HPW 360			10.00	6.85
	HPW 368			25.00	20.45
	HS 542			2.00	5.00
	HS507			10.00	13.40
	Him Pratham		Mar 10-30 (High hills)	3.00	4.00
Barley	HBL 113	130-150	Nov 1-15 (Mid hill)	0.30	0.50
	HBL 713		Oct 1-15 (High hill)	0.30	2.00
	HBL 276			0.30	0.60
Pulses					
Gram	HC 2	185-190	Oct 10-20	1.00	1.50
	GPF 2			1.80	1.50
Lentil	Vipasha	175-180	Oct 10-20	0.50	1.00
Oilseeds					
B Sarson	KBS 3	150-155	Oct 1-15	0.20	0.27

G Sarson	Neelam	170		1.00	6.00
	ONK 1	160		0.50	0.30
	GHC 7			0.50	1.38
Toria	Bhawani	70-80	Sep 10-20	2.00	3.00
KaramRai	Jayanti	155-160	Oct 1-15	0.25	0.25
Raya	RCC 4			0.25	1.50
Forage crops					
Oat	Palampur1	150-160	Nov 10-20	3.00	10.50
Total				74.90	107.70

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HPW 155	170-190		25.00	12.50
	HPW 236		Nov 10-25	50.00	87.00
	HPW 349			100.00	127.50
	HPW 368			5.00	2.35
	HS 542			10.00	2.10
	HS507			10.00	17.00
	VL 907			100.00	97.00
Barley	HBL 713	130-150	Nov 1-15 (Mid hill) Oct 1-15 (High hill)	2.00	2.05
Pulses					
Gram	HC 2	185-190	Oct 10-20	4.00	6.45
	HC 5			1.00	1.50
	HPG 17			4.00	2.19
	GPF 2			4.00	5.13
Lentil	Vipasha	175-180	Oct 10-20	2.00	1.27
	Markanday			0.20	0.19
Pea (Veg.)	P Triloki	110-120			0.86
Oilseeds					
B Sarson	KBS 3	150-155	Oct 1-15	0.40	1.20
G Sarson	Neelam	170		2.00	1.00
Toria	Bhawani	70-80	Sep 10-20	3.00	5.00
Forage crops					
Oat	Palampur1	150-160	Nov 10-20	3.00	4.20
Total				325.60	376.49

Planting materials

Crops	Planting material (in lakh)	
	Target	Production
Kharif 2016		
Setaria / Napier Bajra Hyb	5.00	6.28
Fescue grass	1.00	1.38
Total	6.00	7.66

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Maize	Ratti&Hachhi (Farmer vars)	130-140	May 15-30 (High hill)	20.00	25.00
Paddy	HPR 2612	125-135	May 20-Jun 10	50.00	87.00
	Pusa 1509	120-125		50.00	72.00
	HPR 1156			10.00	7.00
	Red rice Karad (Farmer var)	120-135		20.00	15.00
Pulses					
Mash	UG 218	85-90	Jun 20-30	50.00	70.34
	Pant-U-19			10.00	10.00
	Him Mash 1	74-76		50.00	110.00
	Plp 93			50.00	53.00
Rajmash	Baspa&Jwala	80-90	May 10-30	5.00	9.00
	Chamba L (Farmer var)	110-120		10.00	7.00
Green gram	IPM-02-3	74-76	Jun 20-30	10.00	10.00
	TL 17			10.00	13.80
Oilseeds					
Soybean	Palam Soya	115-125	June 20-30	5.00	28.00
	Hara soya			10.00	5.00
Total				360.00	522.14

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					

Wheat	HPW 155	170-190	Nov 1-15 (Mid hill) Oct 1-15 (High hill)	50.00	62.80
	HPW 349			400.00	592.20
	HPW 236			400.00	588.00
	HPW 360			1000.00	1080.00
	HPW 368			500.00	725.00
	VL 907			500.00	610.00
Pulses					
Lentil	Vipasha			10.00	4.40
Gram	HC 2	185-190	Oct 10-20	35.00	51.50
	HC 1			35.00	17.40
	HC 5			40.00	81.50
	HPG 17			10.00	7.50
	GNG 1581			40.00	98.40
Oilseeds					
Toria	Bhawani	70-80	Sep 10-20	5.00	5.00
G sarson	Neelam	170	Sep 1-15	5.00	4.00
	KBS 3			20.00	24.75
Linseed	Nagarkot, Baner, Him Alsi 1	170-175	Oct 1-15	5.00	2.00
Total				3055.00	3954.45

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Foundation seed	1102.00	1267.15	10076.50	10731.20	11178.50	11998.35
Certified seed	9759.10	10463.04	9678.00	10304.00	19437.10	20767.04
Truthfully labelled seed	8085.40	8819.16	6731.50	6907.70	14816.90	15726.86
Planting material	-	-	1250.00	1381.00	1250.00	1381.00
Total	18946.50	20549.35	27736.00	29323.90	46682.50	49873.25
Planting materials	(in lakh)					
Planting material	-	-	0.35	0.36	0.35	0.36

Total	-	-	0.35	0.36	0.35	0.36
Farmers' field	(in quintals)					
Foundation seed	70.00	79.50	-	-	70.00	79.50
Certified seed	200.00	212.28	25.00	25.00	225.00	237.28
Truthfully labelled seed	34.00	34.50	-	-	34.00	34.50
Total	304.00	326.28	25.00	25.00	329.00	351.28

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	PR 113	142	15-30 May	100.00	131.20
	PR 114	145	-do-	170.00	170.00
	PR 121	140	-do-	90.00	98.00
	PR 122	147	-do-	40.00	48.00
	PR 123	143	-do-	10.00	21.50
	PR 124	135	-do-	100.00	133.00
	Pusa 1121	137	1-15, June	100.00	129.30
Pulses					
Moong	SML 668	60	20 March-10 April	60.00	69.00
Mash	Mash 114	83	23 June to 7, July	50.00	50.50
Oilseeds					
Soybean	SL 958	142	1-15 June	30.00	34.65
Forage crops					
Maize	J 1006	95-100	1 March – 7 Aug.	350.00	380.00
Bajra	FBC 16	85-90	March – May	2.00	2.00
Total				1102.00	1267.15

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	PR 114	145	-do-	1300.00	1438.00
	PR 121	140	-do-	2200.00	2424.96
	PR 123	143	-do-	300.00	347.60
	PR 124	135	-do-	700.00	720.00
	Pusa 1121	137	1-15, June	3000.00	3137.78

Maize	PMH 1	95	23 May to end June	95.00	101.50
	PMH 8	83	-do-	1.20	1.44
Pulses					
Moong	SML 668	60	20 March-10 April	65.00	68.90
	SML 832	61	-do-	50.00	58.00
Mash	Mash 338	82	Ist fortnight of July	15.00	19.50
	Mash 1008	72	15 March – 7 April	15.00	17.70
Arhar	PAU 881	132	1-15 June	6.00	5.13
	AL 201	140	-do-	14.00	17.09
Oilseeds					
Til	RT 346	87	1-15 July	0.50	0.80
Soybean	SL 958	142	1-15 June	90.00	109.10
Fibre crops					
Cotton	FDK 124	160	1 April -15 May	50.00	52.64
	LD 949	160	-do-	14.00	14.40
Sunhemp	PAU 1691	136	June	7.00	7.50
Forage crops					
F. Maize	J 1006	95-100	1 March – 7 August	1800.0	1882.88
Bajra	FBC 16	85-90	March – May	35.00	36.50
G. grass	PGG 518	210	15 March – 15 May	1.40	1.62
Total				9759.1	10463.04

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	PR 113	142	15-30 May		
	PR 114	145	-do-	180.00	183.20
	PR 121	140	-do-	3000.00	3141.62
	PR 122	147	-do-	2000.00	2329.00
	PR 124	135	-do-	600.00	640.00
	PR 126	125	-do-	1100.00	1190.95
	Pusa 1121	137	1-15, June	650.00	716.40
	Pb Bas. No.2	140	-do-	20.00	23.00
	Pb Bas. No. 3	139	-do-	40.00	41.60
	Pb Bas. No. 4		-do-	100.00	112.24
	Pb Bas. No. 5		-do-	30.00	38.00
Maize	Parkash	82	-do-	1.00	1.00
	Pearl PC	88		4.00	5.20

	PMH 10	120	20 Jan.to 15 Feb	13.00	14.55
Pulses					
Moong	SML 832	61	-do-	10.00	15.00
	ML 2056	70		15.00	15.00
Mash	Mash 114	83	23 June to 7, July	40.00	41.00
Oilseeds					
Til	Pb. Til No. 2	85	-do-	6.00	6.20
Fibre crops					
Cotton	FDK 124	160	1 April -15 May	30.00	34.00
	LD 327	175	-do-	3.00	3.00
	LD 949	160	-do-	80.00	87.00
	F 2228	180	-do-	35.00	44.20
	F 2383	170	-do-	10.00	11.60
Sunhemp	PAU 1691	136	June	30.00	33.00
Forage crops					
F. Maize	J 1006	95-100	1 March – 7 August	80.00	82.00
Guara	HG 365	105	1 May – 15Aug.	5.00	7.00
Sorghum (F)	PSC 4	60	24 May – 31 May	3.40	3.40
Total				8085.40	8819.16

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	PBW 550	147	8 – 30 Nov.	100.00	130.00
	PBW 590	128	24 Oct. – End Dec.	10.00	12.00
	PBW 658	133	24 Oct. – End Dec.	30.00	40.00
	PBW 677	155	-do-	1300.00	1390.00
	PBW 725	153	-do-	4200.00	4500.00
	WH 1105	157	24 Oct. – 30 Nov.	500.00	520.00
	HD 2967	157	-do-	1700.00	1700.00
	HD 3086	142	-do-	2100.00	2300.00
Barley	PL 426	124	15 Oct. – 15 Nov.	50.00	50.00
Pulses					
Gram	GPF 2	170	10 – 25 Oct.	4.00	4.00
	PBG 7	159	10 – 25 Oct.	35.00	36.40
Lentil	LL 699	145	16 – 30 Oct.	2.00	2.00
	LL 931	146	-do-	5.00	6.00
Oilseeds					



G. Sarson	GSC 6	145	16 – 30 Oct.	0.50	0.80
	GSC 7	154	-do-	3.00	3.00
Forage Crops					
Berseem	BL 10	265	24 Sep. – 7 Oct.	10.00	10.00
	BL 42	255	-do-	12.00	12.00
Oats	OL 10	160	7 – 31 Oct.	15.00	15.00
Total				10076.50	10731.20

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	PBW 550	147	8 – 30 Nov.	25.00	30.00
	PBW 644	159	24 Oct. – 30 Nov.	13.00	13.00
	PBW 658	133	24 Oct. – End Dec.	180.00	180.00
	PBW 660	162	24 Oct. – 30 Nov.	60.00	65.00
	PBW 677	155	-do-	1900.00	1910.00
	PBW 725	153	-do-	4000.00	4400.00
	WH 1105	157	24 Oct. – 30 Nov.	100.00	121.00
	HD 2967	157	-do-	1900.00	1927.00
	HD 3086	142	-do-	1000.00	1105.00
Pulses					
Gram	PBG 5	165	10 – 25 Oct.	35.00	38.00
	PBG 7	159	10 – 25 Oct.	250.00	300.00
Lentil	LL 699	145	16 – 30 Oct.	20.00	20.00
	LL 931	146	-do-	35.00	35.00
Oilseeds					
G. Sarson	GSC 7	154	-do-	60.00	60.00
Forage Crops					
Berseem	BL 10	265	24 Sep. – 7 Oct.	50.00	50.00
	BL 42	255	-do-	50.00	50.00
Total				9678.00	10304.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	PBW 660	162	24 Oct. – 30 Nov.	20.00	20.00

	PBW 677	155	-do-	200.00	230.00
	PBW 725	153	-do-	800.00	825.00
	HD 2967	157	-do-	200.00	203.00
	HD 3086	142	-do-	90.00	90.00
	PBW 1 Zn			300.00	374.00
	Unnat 343			300.00	300.00
	Unnat 550			4500.00	4530.00
Barley	PL 426	124	15 Oct. – 15 Nov.	30.00	30.00
Oilseeds					
G. Sarson	GSC 6	145	16 – 30 Oct.	1.50	1.70
	GSC 7	154	-do-	35.00	35.00
A. Sarson	PC 6	154	October	10.00	12.00
Linseed	LC 2063	154	1st fortnight of Oct.	3.00	3.00
Raya	PBR 91	145	15 Oct. – 15 Nov.	10.00	11.00
	PBR 357	145	-do-	50.00	55.00
	RLC 3	147	-do-	25.00	28.00
	Giriraj		-do-	9.00	9.00
Toria	TL 17	90	1 – 15 Sep.	45.00	45.00
Taramira	TMLC 2	150	1 – 30 Oct.	2.00	2.00
Sunflower	PSH 1962	99	15-30 January	5.00	5.00
Forage Crops					
Berseem	BL 10	265	24 Sep. – 7 Oct.	10.00	10.00
	BL 42	255	-do-	20.00	20.00
Metha	M 150	115	24 Oct. – 7 Nov.	18.00	20.00
Oats	OL 10	160	7 – 31 Oct.	40.00	40.00
Rye Grass	PBRG 1	175	24 Sep. – 7 Oct.	8.00	9.00
Total				6731.50	6907.70

Planting material

Crops	Variety	Planting material (in quintal)		Planting material (in lakh)	
		Target	Production	Target	Production
Rabi 2016-17					
Sugercane (autmn)	Co J 85	500.00	598.00	0.35	0.355
	Co 118	600.00	632.00		
	Co J 64	150.00	151.00		
Total		1250.00	1381.00	0.35	0.36

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Pulses					
Moong	SML 832	61	20 March-10 April	70.00	79.50
Total				70.00	79.50
Certified seed					
Moong	SML 668	60	-do-	200.00	212.28
Total				200.00	212.28
Truthfully labelled seed					
Moong	SML 668	60	-do-	9.00	9.00
Forage crops					
Sorghum	PSC 4	60	24 May – 31 May	25.00	25.50
Total				34.00	34.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Forage Crops					
Berseem	BL 42	-	-	25.00	25.00
Total				25.00	25.00

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Summary
University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	179.85	298.26	1470.17	1894.68	1650.02	2192.94
Foundation seed	74.70	80.94	6330.00	6941.40	6404.70	7022.34

Certified seed	772.50	779.74	8460.00	9158.70	9232.50	9938.44
Truthfully labelled seed	783.90	920.05	1197.58	1323.84	1981.48	2243.89
Total	1810.95	2078.99	17457.75	19318.62	19268.70	21397.61

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	HKR-127	145	June	6.00	10.80
	HRK-128	-do-	-do-		13.04
	HKR-49	-do-	-do-	8.50	12.00
	HKR-48	-do-	-do-	0.50	8.16
	Basmati 370	-do-	-do-	4.00	5.92
	PB-1	-do-	-do-		2.96
	T. Basmati	-do-	-do-	1.50	4.08
	Basmati CSR-30	-do-	-do-		10.24
	Pusa-1121	-do-	-do-		10.80
	HB-2	-do-	-do-		9.92
Maize	HKI 193-1	85-95	June 25-20 July	1.87	
	HKI 193-2	-do-	-do-	2.20	
	HKI 163	-do-	-do-	1.69	1.50
	HKI 161	-do-	-do-	1.29	0.70
	HKI 1105	-do-	-do-	0.08	0.10
	HKI 323	-do-	-do-	0.04	0.11
Bajra	HBL-11	62-75	July 1-15	0.02	1.35
	HMS-37A	-do-	-do-	0.01	0.04
	HMS-37B	-do-	-do-	0.01	0.02
	HTP-3/13	-do-	-do-	0.01	0.15
	HMS-47A	-do-	-do-	0.55	0.77
	HMS-47B	-do-	-do-	0.22	0.30
	AC-04/13	-do-	-do-	0.22	1.13
	H77/833-2-202	-do-	-do-	0.12	0.30
	HC-20	-do-	-do-	0.02	0.05
Pulses					
Mungbean	Basanti	70	First week of July	4.50	5.40
	MH-421	65	-do-	34.00	37.00
	Sattya	60	-do-	17.00	11.25
Urdbean	UH-1	73	-do-	1.00	1.00



Arhar	Manak	120-130	-do-	3.88	5.00
	Paras	135-140	-do-	0.80	1.00
Oilseeds					
Til	HT-1	77	First week of July	0.02	0.05
	HT-2	-do-	-do-	0.07	0.10
Fiber crops					
Cotton	H-1098/ H1098-i	160-165	April	1.25	4.45
	H-1117	-do-	April		0.25
	H-1226	165	-do-		0.05
	H-1236	-do-	-do-		0.60
	H-1300	175-185	-do-		0.40
	HD-123	175-180	-do-	2.55	10.63
	HD-324	160-165	-do-		2.00
	HD-432	-	-do-	0.35	11.00
	HHH 223 Female	160-170	-do-		0.10
	HHH223 Male	165-170	-do-		0.05
	HHH287 Female	160-170	-do-		0.06
	HHH 287 Male	160-170	-do-		0.02
	AAH 1 Female	160-170	-do-	0.12	0.12
	AAH 1 Male	160-170	-do-	0.06	0.05
Forage crops					
Sorghum	HC-136	115	25June -10July	0.30	0.50
	HJ-513	-do-	-do-	1.00	1.00
	SSG 59-3	-do-	-do-	0.10	0.15
Guar	HG-365	85-100	Mid July	18.00	23.70
	HG-563	85-100	-do-	15.00	21.40
	HG 2-20	90-100	-do-	50.00	66.50
	HG-884	90-100	-do-	1.00	
Total				179.85	298.26

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Bajra	HC-20	-do-	-do-	7.00	7.84
Pulses					
Mungbean	Basanti	70	First week of July	0.20	0.30
	MH-421	65	-do-	12.20	13.80



Arhar	Manak	120-130	-do-	8.50	8.75
	Paras	135-140	-do-	1.50	1.75
Forage crops					
Guar	HG-365	85-100	Mid July	11.20	12.20
	HG-563	85-100	-do-	9.10	10.30
	HG 2-20	90-100	-do-	25.00	26.00
	HG-884	90-100	-do-		
Total				74.70	80.94
Certified seed					
Pulses					
Mungbean	Basanti	70	First week of July	50.20	51.26
	MH-421	65	-do-	266.20	267.28
Forage crops					
Guar	HG-365	85-100	Mid July	41.00	42.00
	HG-563	85-100	-do-	135.10	136.20
	HG 2-20	90-100	-do-	280.00	283.00
Total				772.50	779.74

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Pulses					
Mungbean	Basanti	70	First week of July	11.00	12.24
	MH-421	65	-do-	262.30	263.66
Arhar	Manak	120-130	-do-	20.10	21.75
Forage crops					
Sorghum	HC-136	115	25June -10July	1.00	1.70
Guar	HG-365	85-100	Mid July		128.00
	HG-563	85-100	-do-	174.00	175.00
	HG 2-20	90-100	-do-	286.00	287.50
	HG-884	90-100	-do-		
Green manure crops					
Dhaincha	DH-1			29.50	30.20
Total				783.90	920.05

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	C-306	120-145	Last week of Oct.	59.20	60.00
	WH-283	-do-	-do-	24.40	25.00
	WH-711	-do-	-do-	181.00	271.00
	WH-1021	-do-	-do-	20.00	30.50
	WH-1025	-do-	-do-	51.00	73.00
	WH-1080	-do-	-do-	27.00	52.00
	WH-1105	-do-	-do-	567.00	620.00
	WHD-943	-do-	Last week of Oct.-First week of Nov.	80.00	80.00
	WH-1142	-do-	-do-	59.40	65.00
	WH-1124	-do-	-do-	209.20	323.00
Barley	BH-393	140-145	Last week sept.	60.90	68.80
	BH-902	-do-	-do-	30.90	41.20
	BH-946	-do-	-do-	8.00	18.40
	BH-959	-do-	-do-	16.00	33.20
	BH-885	-do-	-do-	0.30	0.30
Maize	HKI 193-1			1.87	0.99
	HKI 193-2	-do-	-do-	2.20	1.55
	HKI 163	-do-	-do-	1.69	
	HKI 161	-do-	-do-	1.29	1.00
	HKI 1105	-do-	-do-	0.08	
	HKI 323	-do-	-do-	0.04	
Pulses					
Chickpea	HC-1	180-190	Mid Oct.	2.00	24.00
	HC-3	-do-	-do-		11.50
	HC-5	-do-	-do-	0.80	2.10
	HK-2	-do-	-do-	21.33	30.00
	HK-1	-do-	-do-		
	HC-235	-do-	-do-	4.52	11.00
Field pea	HFP-529	123-125	First Nov	20.00	1.49
Lentil	HM-1	140	Nov.	0.50	0.50
	Sapna	140	-do-	0.50	0.60
	Garima	135	-do-	0.50	1.70
Oilseeds					

Raya	RH-30	135-140	25 Sept.- 20 Oct.	2.67	5.40
	Luxmi	142-145	-do-	2.35	10.00
	Vasundra (RH-9304)	130-135	-do-	0.60	10.00
	RH-0749	145-148	-do-	0.83	5.00
	RH-406	-do-	-do-	0.60	1.40
	RH-9801	115-120	-do-	0.05	0.60
	YSH-401	-do-	-do-	1.30	2.50
	BSH-1	-do-	-do-	0.05	0.20
Forage crops					
Oats	OS-6	-do-	-do-	4.00	5.05
Berseem	HB-1	230-240	Last week of Sept.- Oct.	2.80	3.00
	HB-2	-do-	-do-	2.50	2.80
	Mescavi	-do-	-do-	0.80	0.90
Total				1470.17	1894.68

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	C-306	120-145	Last week of Oct.	450.00	465.30
	WH-711	-do-	-do-	900.00	978.55
	WH-1080	-do-	-do-	10.00	17.50
	WH-1105	-do-	-do-	1100.0	1230.05
	PBW-343	-do-	-do-	90.00	96.00
	HD-3086			1500.0	1610.50
	HD-2967	-do-	-do-	1200.0	1342.35
	WH-1142	-do-	-do-	180.00	209.10
	WH-1124	-do-	-do-	250.00	285.40
Barley	BH-393	140-145	Last week sept.	200.00	228.90
	BH-902	-do-	-do-	75.00	85.40
	BH-946	-do-	-do-	225.00	232.50
Oilseeds					
Raya	RH-30	135-140	25 Sept.- 20 Oct.	90.00	99.15
	Luxmi	142-145	-do-	20.00	20.70
	RH-0749	145-148	-do-	40.00	40.00
Total				6330.00	6941.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	C-306	120-145	Last week of Oct.	500.00	570.70
	WH-711	-do-	-do-	700.00	715.00
	WH-1080	-do-	-do-	550.00	568.15
	WH-1105	-do-	-do-	2200.00	2416.15
	PBW-343	-do-	-do-	600.00	674.70
	HD-3086			700.00	770.00
	HD-2967	-do-	-do-	1300.00	1444.05
	WH-1142	-do-	-do-	380.00	411.70
	WH-1124	-do-	-do-	300.00	312.00
Barley	BH-393	140-145	Last week sept.	125.00	134.00
	BH-946	-do-	-do-	500.00	507.40
Pulses					
Chickpea	HC-1	180-190	Mid Oct.	150.00	164.00
Oilseeds					
Raya	RH-30	135-140	25 Sept.- 20 Oct.	300.00	308.10
	RH-0749	145-148	-do-	115.00	117.75
	RB-50	146	-do-	40.00	45.00
Total				8460.00	9158.70

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	C-306	120-145	Last week of Oct.	125.00	160.00
	WH-711	-do-	-do-	250.00	273.50
Barley	BH-902	-do-	-do-	20.00	24.00
Pulses					
Chickpea	HC-1	180-190	Mid Oct.	150.00	168.50
	HC-5	-do-	-do-	50.00	57.00
	HK-1	-do-	-do-	8.00	9.00
Lentil	HM-1	140	Nov.	2.50	2.70
Pea (Veg.)	P-89	-		12.00	13.99
Oilseeds					
Raya	RH-30	135-140	25 Sept.- 20 Oct.	300.00	320.50

	Luxmi	142-145	-do-	180.00	185.50
	RH-0749	145-148	-do-	18.00	20.00
	RH-406	-do-	-do-	20.00	23.00
	RH-9801	115-120	-do-	22.00	23.00
	YSH-401	-do-	-do-	15.00	17.00
	RB-50	146	-do-	15.00	15.25
Soybean	JS-9560			0.08	0.10
Forage crops					
Oats	HJ-8	120-130	Nov.	7.00	7.50
Berseem	HB-1	230-240	Last week of Sept.- Oct.	2.50	2.60
	Mescavi	-do-	-do-	0.50	0.70
Total				1197.58	1323.84

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	6.70	6.30	370.00	541.42	376.70	547.72
Foundation seed	542.20	452.60	0.00	0.00	542.20	452.60
Certified seed	177.40	107.11	740.00	780.78	917.40	887.89
Truthfully labelled seed	-	-	16.50	18.70	16.50	18.70
Total	726.30	566.01	1126.50	1340.90	1852.80	1906.91

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	VB-22	135-140	29 June – 05 July	6.70	6.30
Total				6.70	6.30

				Foundation seed	
Paddy	PB-1	135-140	06-14 July	245.00	170.82
	PB-6	135-140	02-06 July	144.00	136.99
	PB-1121	125-130	14-20 July	138.20	126.76
Pulses					
Arhar	UPAS-120	130-135	01-10 June, 2016	15.00	18.03
Total				542.20	452.60
				Certified seed	
Cereals					
Paddy	PS-5	120-125	21-30 July	143.20	27.40
	PB-1509	120-125	25-28 June	34.20	79.71
Total				177.40	107.11

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	DBW-16	125-130	18-25 Dec, 2016	50.00	72.32
	DBW-17	130-135	15-30 Nov, 2016	100.00	167.35
	DBW-71	120-125	22-26 Dec, 2016	50.00	50.12
	DBW-88	130-135	20-30 Nov, 2016	120.00	150.88
	DBW-90	125-130	25-30 Nov, 2016	50.00	100.75
Total				370.00	541.42
Cereals					
Certified seed					
Wheat	PBW-590	120-125	15-20 Dec, 2016	120.00	125.31
	PBW-226	120-125	06-20 Dec, 2016	350.00	360.97
	DBW-16	125-130	18-25 Dec, 2016	0.00	0.00
	DBW-17	130-135	15-30 Nov, 2016	250.00	277.00
Pulses					
Lentil	HUL-677	135-140	10-15 Dec, 2016	20.00	17.50
Total				740.00	780.78
Oilseeds					
Truthfully labelled seed					
Mustard	Pusa Bold	140-150	19-20 Oct, 2016	16.50	18.70
Total				16.50	18.70

7. Centre : G.B. Pant University of Agriculture & Technology
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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	1091.68	1755.65	6041.45	9134.00	7133.13	10889.65
Foundation seed	3750.00	4787.00	2625.00	3870.00	6375.00	8657.00
Certified seed	355.00	456.00	630.00	1133.00	985.00	1589.00
Truthfully labelled seed	59.00	91.96	1325.00	2088.00	1384.00	2179.96
Total	5255.68	7090.61	10621.45	16225.00	15877.13	23315.61

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Pusa 44	140-145	Timely	25.00	35.00
	PR 113	130-135	Timely	250.00	400.00
	Pant Basmati 2	130-135	Timely	10.00	15.00
	Pusa Basmati 1	135-140	Timely	15.00	24.00
	Pant Dhan 16	130-135	Timely	1.00	2.00
	Pant Dhan 24	125-130	Timely	50.00	86.00
	Pusa Sugandh 4 (Pusa 1121)	130-135	Timely	50.00	119.00
	NDR 359	130-135	Timely	75.00	126.00
	PR 121	128-130	Timely	20.00	40.00
	Pant Basmati 1	130-135	Timely	20.00	51.00
	Pant Dhan 10 (IET 8616)	120-125	Timely	2.00	4.00
	HKR 47	125-128	Timely	150.00	261.00
	Pant Dhan 12 (IET 10955)	125-128	Timely	3.00	5.00
	Pant Dhan 18 (IET 17920)	130-135	Timely	4.00	7.00

	Pant Dhan 19 (IET 17544)	135-140	Timely	2.00	4.00
	Pant Sugandh Dhan 15 (IET 14132)	130-135	Timely	2.00	3.00
	Pant Dhan 11 (IET 9620)	115-120	Late	5.00	10.00
	Pant Sugandh Dhan 17 (IET 17263)	130-135	Timely	3.00	5.00
	Govind	95-100	Late	20.00	30.00
	Pusa Sugandh 5 (Pusa 2511)	125-130	Timely	25.00	36.00
	Satha	100-105	Late	5.00	9.00
	Sarju 52	125-128	Timely	50.00	95.00
Maize	Pant Sankul Makka 3	85-90	Timely	2.00	2.50
Pulses					
Urd	Pant Urd 31	80-85	Timely	100.00	110.00
	Pant Urd 40	88-90	Timely	10.00	15.00
	Pant Urd 35	80-85	Timely	2.00	4.00
Moong	Pant Moong 5	75-80	Timely	50.00	55.00
	Pant Moong 6	85-90	Early	5.00	5.00
	Pant Moong 2	75-80	Timely	5.00	5.00
	Pant Moong 4	75-80	Timely	5.00	8.00
Arhar	UPAS 120	140-145	Timely	36.63	38.00
	PA 291	130-135	Timely	6.95	7.00
Cowpea	Pusa Komal			1.00	1.13
	Kashi Kanchan			1.00	1.52
Oilseeds					
Soybean	PS 1092	115-120	Timely	2.00	5.00
	PS 1225	115-120	Timely	50.00	108.00
	PS 1347	120-125	Timely	16.00	11.00
	PS 1042	115-120	Timely	2.00	0.00
Forage crops					
Sorghum	Pant Chari 5	130-135	Timely	2.50	3.00
	Pant Chari 6 (UPMC 503)	120-125	Timely	2.00	3.00
Cowpea	UPC 8705	125-130	Timely	1.35	1.50
Cowpea Grain	Pant Lobia 1	65-70	Timely	4.25	5.00
Total				1091.68	1755.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	MTU 7029	150-155	Timely	3500.00	4383.00
	BPT 5204	145-150	Timely	100.00	180.00
	Sahbhagi	135-140	Timely	50.00	84.00
Oilseeds					
Soybean	PS 1225	115-120	Timely	100.00	140.00
Total				3750.00	4787.00
Certified seed					
Cereals					
Paddy	Rajendra Bhagawati	135-140	Timely	250.00	337.00
Pulses					
Urd	Pant Urd 40	88-90	Timely	10.00	11.00
Moong	Pant Moong 5	75-80	Timely	75.00	84.00
Oilseeds					
Soybean	PS 1347	120-125	Timely	20.00	24.00
Total				355.00	456.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Pant Dhan 28	120-125	Timely	2.00	4.00
	Pant Dhan 22	120-125	Timely	2.00	3.00
	Pant Dhan 23	120-125	Timely	2.00	4.00
	Pant Sugandh Dhan 25	130-135	Timely	2.00	3.00
	Pant Dhan 26	115-118	Late	2.00	3.00
	Pant Sugandh Dhan 27	119-120	Timely	2.00	5.00
	Pusa Basmati 1509	115-120	Timely/Late	25.00	35.00
Millets crops					
Finger Millet	VL 324	110-115	I week of June	3.00	4.12
	VL 352	110-115	I week of June	4.00	5.20
	VL 149	105-110	I week of June	4.00	6.10

	VL 347	105-110	I week of June	1.00	1.87
	VL 315	105-110	I week of June	2.00	3.37
	PRM 1	90-95	II week of June	1.00	1.80
	PRM 2	90-95	II week of June	1.00	2.50
Barnyard Millet	VL 207	90-95	II week of June	3.00	4.00
	PRJ 1	90-95	II week of June	3.00	6.00
Total				59.00	91.96

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	CBW 38	125-130	Timely	40.00	45.00
	DBW 17	130-135	Timely	150.00	200.00
	DBW 88	130-135	Timely	50.00	75.00
	DPW 621-50	130-135	Timely	75.00	110.00
	HD 2329	130-135	Timely	40.00	70.00
	HD 2733	125-128	Timely	50.00	65.00
	HD 2967	130-135	Timely	2000.00	2718.00
	PBW 154	130-135	Timely	250.00	425.00
	PBW 226	120-125	Late	150.00	204.00
	PBW 343	130-135	Timely	350.00	470.00
	PBW 373	125-130	Late	350.00	588.00
	PBW 502	130-135	Timely	200.00	285.00
	PBW 550	125-128	Timely	400.00	628.00
	UP 262	125-130	Timely	75.00	125.00
	UP 2338	120-125	Timely/Late	50.00	60.00
	UP 2425	120-125	Late	10.00	15.00
	UP 2526	120-125	Timely	75.00	109.00
	UP 2554	130-135	Timely	250.00	475.00
	UP 2565	120-125	Late	150.00	275.00
	UP 2572	125-128	Timely	50.00	75.00
	UP 2628	125-128	Timely	300.00	570.00
	WH 1105	130-135	Timely	400.00	600.00
	WH 711	130-135	Timely	150.00	194.00
	HD 2894	130-135	Timely	20.00	25.00
	WH 1021	130-135	Timely	20.00	25.00
	UP 2784	130-135	Timely	15.00	15.00



Barley	PRB 502	-	-	1.20	0.00
	UPB 1008	140-145	Timely	2.00	5.00
Pulses					
Lentil	PL 6	130-135	Timely	22.50	34.00
	PL 7	120-125	Late	13.00	27.00
	PL 8	130-135	Timely	13.00	118.00
	PL 406	135-140	Timely	4.00	2.00
	PL 639	135-140	Timely	0.25	0.00
	PL 5	130-135	Timely	5.00	10.00
Pea	Pant Pea 13	120-125	Timely	24.00	27.00
	Pant Pea 14	125-130	Timely	11.00	25.00
	Pant Pea 42	120-125	Timely	7.50	20.00
	Pant Pea 25	120-125	Timely	3.00	5.00
Pea (veg.)	Arkel	-	-	5.00	10.00
	Azad Pea 3	-	-	50.00	100.00
	PSM 3	-	-	25.00	50.00
Gram	PG 186	130-135	Late	100.00	125.00
	Pant Kabuli Chana 1	125-130	Timely	10.00	15.00
	Pusa 362	125-130	Timely	2.00	3.00
	PG 043	125-130	Timely	3.00	5.00
Oilseeds					
Rai/Sarson	PR 19	125-130	Timely	10.00	14.00
	Pant Pili Sarson 1	115-120	Timely	30.00	45.00
Toria	PT 303	90-95	Timely	15.00	18.00
	Uttara	85-90	Timely	15.00	30.00
Total				6041.45	9134.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD 2967	130-135	Timely	800.00	1070.00
	PBW 154	130-135	Timely	250.00	350.00
	PBW 226	120-125	Late	250.00	352.00
	PBW 373	125-130	Late	300.00	466.00
	PBW 550	125-128	Timely	350.00	528.00
	UP 2526	120-125	Timely	25.00	44.00
	UP 2554	130-135	Timely	250.00	352.00

	WH 1105	130-135	Timely	25.00	50.00
	WH 711	130-135	Timely	250.00	396.00
	HS 490	-	-	50.00	125.00
	K 807	-	-	50.00	105.00
Oilseeds					
Toria	PT 303	90-95	Timely	25.00	32.00
Total				2625.00	3870.00
Certified seed					
Cereals					
Wheat	CBW 38	125-130	Timely	100.00	175.00
	PBW 373	125-130	Late	300.00	580.00
	UP 2784	130-135	Timely	30.00	52.00
Pulses					
Lentil	PL 8	130-135	Timely	100.00	166.00
Oilseeds					
Toria	Uttara	85-90	Timely	100.00	160.00
Total				630.00	1133.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	DBW 88	130-135	Timely	25.00	35.00
	HD 3086	130-135	Timely	100.00	135.00
	PBW 343	130-135	Timely	25.00	44.00
	UP 2628	125-128	Timely	150.00	246.00
	WH 1105	130-135	Timely	25.00	44.00
	WH 1124	130-135	Timely	1000.00	1584.00
Total				1325.00	2088.00

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Summary

Particulars	(in quintals)					
	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	1094.00	1186.30	804.50	839.73	1898.50	2026.03
Foundation seed	4415.00	4903.92	1745.00	1852.58	6160.00	6756.50
Total	5509.00	6090.22	4420.00	4733.00	8058.50	8782.53
Farmers' field	(in quintals)					
Truthfully labelled seed	4420.00	4733.00	1475.00	1550.58	5895.00	6283.58
Total	4420.00	4733.00	1475.00	1550.58	5895.00	6283.58

Quality seed production at university farms

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Narendra Dhan 3112-1	135-140	15-30 June	125.00	128.00
	NDR 359	135-140	15-30 June	65.00	73.50
	NDR 97	90-95	15-30 June	25.00	28.40
	Narendra lalmati	110-115	15-30 June	15.00	16.00
	NDR 2064	125-130	15-30 June	75.00	81.20
	NDR 2065	125-130	15-30 June	150.00	173.00
	Sarjoo 52	130-135	15-30 June	100.00	108.00
	ShuskSamrat	110-115	15-30 June	70.00	69.00
	Samba Sub 1	140-145	15-30 June	185.00	192.00
	NDR 8002	145-150	15-30 June	70.00	70.50
	Swarna Sub 1	155-160	15-30 June	30.00	28.70
	Baranideep	110-115	15-30 June	4.00	4.80
	IBP 1	135-140	15-30 June	5.00	5.20
	BPT 5204	145-150	15-30 June	125.00	133.00

Pulses					
Pigeon pea	NDA-1	240-250	15June-30 July	40.00	65.00
	NDA-2	240-250	15June-30 July	10.00	10.00
Total				1094.00	1186.30

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	NarendraDhan 3112-1	135-140	15-30 June	2250.00	2526.89
	NDR 97	90-95	15-30 June	225.00	226.83
	N D 2008	130-135	15-30 June	125.00	121.10
	NDR 2064	125-130	15-30 June	1200.00	1236.42
	NDR 2065	125-130	15-30 June	500.00	675.50
	Swarna Sub 1	155-160	15-30 June	50.00	49.20
	IBP 1	135-140	15-30 June	20.00	20.50
	BPT 5204	145-150	15-30 June	40.00	42.00
Pulses					
Pigeon pea	NDA-2	240-250	15June-30 July	5.00	5.48
Total				4415.00	4903.92

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Rabi 2016-17</i>					
Cereals					
Wheat	NW-1014	130-135	15-30 Nov.	75.00	87.50
	NW-1076	140-145	15-30 Nov.	80.00	83.60
	NW-2036	130-135	15-30 Dec.	25.00	27.50
	PBW-154	140-145	15-30 Nov.	65.00	65.00
	DBW-107	140-145	15-30 Nov.	40.00	41.00
	PBW-373	130-135	15-30 Dec.	50.00	49.00
	PBW-550	140-145	15-30 Nov.	20.00	23.50
	NW-5054	140-145	15-30 Nov.	15.00	15.00
	Halana	130-135	15-30 Dec.	70.00	75.00
	HD-2967	140-145	15-30 Nov.	15.00	13.50
Barley	NB-2	100-105	15-30 Nov.	15.00	14.60
	NDB-1173	125-130	15-30 Nov.	12.50	13.95



	NDB-943	115-120	15-30 Nov.	35.00	38.05
	NB-1465	120-125	15-25 Nov.	50.00	47.35
	NB -1445	120-125	15-25 Nov.	60.00	62.00
Pulses					
Gram	Udai	125-130	15-30 Nov	50.00	50.65
	Pusa-362	135-140	15 Oct.-15Nov.	35.00	35.10
Lentil	NDL-1	130-135	15 Oct.-15Nov.	40.00	42.38
	HUL-57	130-135	15 Oct.-15Nov.	35.00	36.05
Oilseeds					
Mustard	NDR-8501	135-140	15 Oct.-15Nov	7.00	8.00
	NDRE-4	135-140	15 Oct.-15Nov	5.00	6.00
	Pitambari	135-140	15 Oct.-15Nov	5.00	5.00
Total				804.50	839.73

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	NW-1076	140-145	15-30 Nov.	200.00	214.58
	PBW-154	140-145	15-30 Nov.	325.00	343.50
	PBW-373	130-135	15-30 Dec.	450.00	455.60
	PBW-550	140-145	15-30 Nov.	40.00	40.00
	NW-5054	140-145	15-30 Nov.	65.00	64.80
	Halana	130-135	15-30 Dec.	20.00	23.40
	HD-2967	140-145	15-30 Nov.	400.00	451.00
Barley	NB-2	100-105	15-30 Nov.	35.00	37.60
	NDB-1173	125-130	15-30 Nov.	40.00	43.95
	NB-1465	120-125	15-25 Nov.	25.00	28.35
Pulses					
Gram	Udai	125-130	15-30 Nov	25.00	25.35
	Pusa-362	135-140	15 Oct.-15Nov.	20.00	21.90
Lentil	NDL-1	130-135	15 Oct.-15Nov.	80.00	82.05
	HUL-57	130-135	15 Oct.-15Nov.	5.00	5.85
Oilseeds					
Mustard	NDR-8501	135-140	15 Oct.-15Nov	5.00	5.10
	NDRE-4	135-140	15 Oct.-15Nov	10.00	9.55
Total				1745.00	1852.58

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Sarjoo-52	130-135	15-30 June	250.00	305.00
	NDR-359	135-140	15-30 June	500.00	550.00
	NDR-2064	125-130	15-30 June	1000.00	900.00
	NDR-3112-1	135-140	15-30 June	1500.00	1700.00
	NDR 2065	125-130	15-30 June	500.00	550.00
	NDR 97	85-90	15 June-15 Aug.	200.00	225.00
	Shusksamarat	110-115	15-30 June	55.00	60.00
	N. lalmati	110-115	15-30 June	25.00	25.00
	S.Sub-1	155-160	15-30 June	200.00	210.00
	BPT-5204	145-150	15-30 June	50.00	60.00
	Baranideep	110-115	15-30 June	20.00	25.00
Pulses					
Pigeon pea	NDA-1	240-250	15June-30 July	70.00	72.00
	NDA-2	240-250	15June-30 July	50.00	51.00
Total				4420.00	4733.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	NW-1014	130-135	15-30 Nov.	200.00	208.00
	NW-2036	130-135	15-30 Dec.	200.00	205.00
	NW-5054	130-135	15-30 Nov.	250.00	256.00
	PBW-154	140-145	15-30 Nov.	150.00	160.00
	PBW-373	130-135	15Nov.-30 Dec.	150.00	155.00
	Halana	120-125	25Nov.-5Jan.	50.00	52.00
	PBW-550	140-145	15-30 Nov.	50.00	60.00
	HD -2967	130-135	15Nov.-15 Dec.	150.00	162.00
Barley	NB-2	100-105	15-30 Nov.	20.00	20.50
	NB943	115-120	15-30 Nov.	20.00	21.00
	NDB-1173	125-130	15-30 Nov.	25.00	24.00
Pulses					
Gram	Udai	125-130	15-30 Nov	20.00	26.00

	Pusa-362	135-140	15 Oct.-15Nov.	20.00	25.95
Lentil	NDL-1	130-135	15 Oct.-15Nov	150.00	152.00
	HUL-17	130-135	15 Oct.-15Nov	10.00	12.00
Oilseeds					
Mustard	NDR-8501	135-140	15 Oct.-15Nov	5.00	5.50
	NDRE-4	135-140	15 Oct.-15Nov	5.00	5.63
Total				1475.00	1550.58

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	65.96	110.26	842.35	1817.68	908.31	1927.94
Foundation seed	-	311.59	76.00	4982.40	76.00	5293.99
Certified seed	-	86.16	-	30.00	-	116.16
Truthfully labelled seed	-	191.24	-	56.50	-	247.74
Total	65.96	699.25	918.35	6886.58	984.31	7585.83

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed
			Target	Production	Production
Kharif 2016					
Cereals					
Paddy	PB-1509	95-110			26.00
	Pant-12	115-122			146.00
Maize	Azad Uttam	80-85		7.75	20.60
	Azad Kamal	85-90	0.20	0.65	
Jowar	Bundela	110-115		1.60	
Pulses					
Moong	PDM 139	60-65			15.54
	IPM 2-3	65-10		17.18	5.60

	Sweta	65-70		7.50	14.28
	Swati	65-70	6.90	4.50	
Urd	Azad-2	75-80	0.20	4.26	23.10
	Azad-3	80-85	18.30	26.24	2.52
	Shekhar-1	80-85	0.18	3.24	
	Shekhar-2	80-85	14.40	28.70	12.60
	Shekhar-3	78-80	5.65		
Pigeon pea	Amar	260-270		3.50	20.40
	Puss 991				0.25
Oilseeds					
Sesame	Shekhar	80-85	0.13	0.64	11.00
	Pragati	80-85		0.80	13.70
Groundnut	Kaushal	118-112		1.30	
	Amber	115-120		0.45	
	Divya		20.00	1.95	
Total			65.96	110.26	311.59

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed Production	Truthfully labelled seed Production
Cereals				
Paddy	NDR 359	130-135	4.08	
	Pant-12	115-122	72.00	
	PB-1121	130-135		127.00
	PB-1	125-130		14.00
Pulses				
Moong	PDM 139	60-65		2.70
	IPM 2-3	65-10	10.08	36.54
Oilseeds				
Sesame	Pragati	80-85		5.00
	Tarun	-		6.00
Total			86.16	191.24

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Rabi 2016-17						
Cereals						
Wheat	DBW 39	121-125	40.00	60.00		-
	DBW 107	108-128	55.00	90.00		172.00

	HUW 234	110-120	12.20	26.00		55.00
	K-307	125-130	97.00	114.00		51.00
	K-402	120-125	107.50	64.00		430.00
	K 607 (Mamta)	115-120	103.00	132.00		269.00
	K-1006 New Shekhar	135-140	35.00	150.00		693.00
	K-7903	85-100	12.60	41.00		
	K-9107 (Deva)	130-135	12.58	18.00		
	K-9423 (Unnat Halana)	90-100	8.80	87.00		73.00
	PBW-343	125-140	100.00	128.00		1329.00
	PBW-550	130-135	105.00	178.00		477.00
	DBW 17	125-130		38.00		335.00
	WH -147	-		30.00		195.00
	HD-2967	-				146.00
Barley	K-409 (Preeti)	105-112	1.20	8.50		54.00
	K-508	105-110	1.80	4.60		
	K 551 (Ritambhara)	120-125	0.40	18.00		
	K-114PGeetagali	95-100		2.50		
	K560	110-115		10.40		7.00
Pulses						
Chickpea	KPG 59	130-140	5.33	13.00		82.00
	KGD 1168	150-155		20.00		17.00
	KWR 108	130-135	10.67	19.00		191.00
	Radhey	140-150	0.50	6.00		
	Pragati	140-150		0.50		
	Avrodhi	145-150				50.00
	Ujjawala					19.00
Field pea	KPMR 400 (Indra)	125-130	0.80	98.00		62.00
	KPMR 522 (Jai)	125-130	1.00	58.00		167.00
	Shukh	125-130	5.00			
	Rachana	130-135	27.00	28.00		
	IPDF10-20	-				8.00
Pea (Veg.)	Azad P-3	90-95		141.00		
	Azad P-1	90-100		29.75		
Lentil	Azad Msoor 1 KLS 218	125-130	20.00	44.00		
	K-75	120-125	10.05	26.75	71.00	
	KLB 303 (Shekhar-2)	125-130	26.00	35.00	5.00	

	KL 320 (Shekhar-3)	125-130	22.00	11.29		
	DPL-62	130-135		5.00		
	KLS09-03			8.58		
Oilseeds						
Toria	T. 9	90-95	1.06	4.24		
	Bhawani	75-80	0.60	1.60		
	Tapeswari	90-100	0.50			
Rai/ mustard	Varuna T59	125-130	2.98	16.00		15.00
	Rohini	130-135	2.40	7.44		23.00
	Vardan	120-125	0.50	1.76		
	Vaibhav	125-130	0.50	1.72		
	Urvashi	125-130	0.50	5.13		12.00
	Maya	130-135	0.50	4.40		13.00
	Kanti	110-115	0.50	7.28		35.00
	Ashirwad	130-135	0.50	2.40		
	Pitambari	110-115	0.75	4.92		2.40
	Basanti	130-135	0.50	2.64		
Linseed	Shekhar	135-140	2.00	6.28		
	T-397	-	0.88	1.80		
	Padmini	120-125		2.00		
	Parwati	120-125		2.40		
	Azad Alsi-1	122-125	1.75	1.80		
	Mau Azad Alsi-2	122-125	2.00			
	Ruchi	130-135	3.50			
Total			842.35	1817.68	76.00	4982.40

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed Production	Truthfully labelled seed Production
Rabi 2016-17				
Cereals				
Wheat	DBW 17	125-130	30.00	25.00
Barley	Prakhar	-		24.00
Oilseeds				
Toria	Tapeswari	90-100		4.00
Linseed	Ruchi	130-135		3.50
Total			30.00	56.50

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	34.45	65.40	27.60	46.50	62.05	111.90
Foundation seed	114.00	123.90	502.00	494.00	616.00	617.90
Total	148.45	189.30	529.60	540.50	678.05	729.80
Farmers' field	(in quintals)					
Certified seed/ Truthfully labelled seed	966.50	1184.50	1627.00	1825.00	2593.50	3009.50
Total	966.50	1184.50	1627.00	1825.00	2593.50	3009.50

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Kharif 2016						
Cereals						
Paddy	HUBR 2-1	120	2.50	4.00		
	HUR 4-3	135	2.00	6.00		
	HUR 3022	120	1.00	2.00		
	Shabhagi Dhan	115	1.00	4.50		
	Sawarna Sub-1	145	2.50	4.50	25.00	27.60
	HUR 105	135	6.50	12.00	22.00	24.20
	HUR 36	130	1.20	2.00		
	HUBR 10-9	135	2.50	12.50		
	BPT 5204	140	8.00	9.50	30.00	32.50
Pulses						
Arhar	MA 6	230-235	0.35	0.40		
	MAL 13	230-235	1.75	2.10	15.00	16.10
Moong	HUM 12	55-60	1.60	1.90		
	HUM 16	55-60	3.55	4.00	22.00	23.50
Total			34.45	65.40	114.00	123.90

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Rabi 2016-17						
Cereals						
Wheat	HUW 234	120	12.00	25.00	410.00	385.00
	HUW 468	135	3.50	6.00		
	HUW 510	125	8.00	8.50		
	HD 3059	130			25.00	33.00
	HD 2967	145			40.00	45.00
Pulses						
Pea	HUDP 15	120-125	1.50	2.00	12.00	13.00
Lentil	HUL 57	120-125	2.60	5.00	15.00	18.00
Total			27.60	46.50	502.00	494.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed/ Truthfully labelled seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	HUR 3022	120	25.00	26.10
	Shabhagi Dhan	115	200.00	250.00
	Sawarna Sub-1	145	400.00	550.00
	HUR 105	135	40.00	40.60
	Imp.Shambha	140	210.00	216.00
Pulses				
Arhar	MA 6	230-235	3.00	3.80
	MAL 13	230-235	45.00	50.00
Moong	HUM 12	55-60	3.50	5.00
	HUM 16	55-60	40.00	43.00
Total			966.50	1184.50

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed/ Truthfully labelled seed	
			Target	Production
Rabi 2016-17				
Cereals				
Wheat	HUW 234	120	650.00	650.00

	HUW 468	135	310.00	310.00
	HUW 510	125	60.00	85.00
	HD 3059	130	350.00	360.00
	HD 2967	145	175.00	280.00
Pulses				
Pea	HUDP 15	120-125	40.00	55.00
Lentil	HUL 57	120-125	42.00	85.00
Total			1627.00	1825.00

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Summary
University farms
(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	421.55	-	126.30	-	547.85
Foundation seed	-	1974.18	-	20.00	-	1994.18
Certified seed	-	1628.85	-	1.10	-	1629.95
Truthfully labelled seed	-	1313.61	-	162.24	-	1475.85
Total	-	5338.19	-	309.64	-	5647.83
Planting materials	(in lakh)					
Planting material	10.00	13.15	-	4.58	10.00	17.73
Total	10.00	13.15	-	4.58	10.00	17.73
Farmers' field	(in quintals)					
Foundation seed	-	54.00	-	276.00	-	330.00
Certified seed	-	491.94	-	253.00	-	744.94
Truthfully labelled seed	-	3323.20	-	945.00	-	4268.20
Total	-	3869.14	-	1474.00	-	5343.14

Quality seed production at university farms
(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed production	Foundation seed production
<i>Kharif 2016</i>					
Cereals					

Paddy	Mahsuri	145	June/July	7.50	109.00
	Gitesh	155	June/July/ August	27.00	286.26
	Ranjit	155	June/July	217.00	1301.74
	Bahadur	155	June/July	51.80	120.55
	Swarna	150	June/July	1.40	
	Swarna Sub1	150	June/July	36.90	16.00
	Manohar sali	155	June/July/August	3.30	17.00
	Aghoni	150	June/July	0.95	12.60
	Keteki joha	150	June/July	19.90	2.00
	Chirang Sub1	150	June/July	16.00	
	Haccha	115	March/April		6.50
	Luit	100	Feb/March	35.50	50.10
	Dishang	100	Feb/March		30.10
	Lachit	120	March/April	1.20	
	Kanaklata	135	Nov/Dec/Jan		20.83
Pulses					
Blackgram	PU 31	75-80	Feb/March and July/August	2.50	1.50
	KU 301	75-80	-do-	0.30	
	SBC 47	75-80	-do-	0.30	
Green manure crop					
Dhaincha	Local	150	-		
Total				421.55	1974.18

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed Production	Truthfully labelled seed production
Kharif 2016					
Cereals					
Paddy	Mahsuri	145	June/July		6.00
	Gitesh	155	June/July/August	1500.00	0.35
	Ranjit	155	June/July	122.10	44.00
	Bahadur	155	June/July		83.50
	Jalashree/ Jalkuwari	150	June/July		20.00
	Aghoni	150	June/July		4.50
	Shrabani	135	June/July		949.79
	Dhansiri	155	June/July		22.00

	Keteki joha	150	June/July		3.00
	Kola Joha	150	June/July		9.70
	Black rice	150	June/July		3.40
	Panindra	240	March/April		27.90
	Padumoni	240	March/April		28.34
	Panchanan	240	March/April		7.20
	Basudev	240	March/April		14.00
	Inglongkiri	115	March/April		0.65
	Haccha	115	March/April		2.06
	Dishang	100	Feb/March	6.25	40.30
	Dehangi	115	March/April		0.52
	Maizubiron	115	March/April		0.40
Pulses					
Greengram	IPM-2-3	80-85	Feb/March and July/August		1.50
Blackgram	PU 31	75-80	Feb/March and July/August		2.40
	IPU-94-1	75-80	-do-	0.50	
Pigeonpea	Local	-	-		4.00
Oilseeds					
Sesame	Local	85-95	March, August		29.10
Fibre crops					
Mesta	AMC 108	120-125	March-May		4.00
	HC-583	120-125	March-May		3.70
Green manure crop					
Dhaincha	Local	150	-		1.30
Total				1628.85	1313.61

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed production	Foundation seed production
Rabi 2016-17					
Cereals					
Paddy	Jaymoti	175	November/Dec	46.00	
	Kanaklata	175	November/Dec	38.00	
	Swarnabh	175	November/Dec	12.00	
	Dinnath	170	November/Dec	12.00	
	Luit	100	February		20.00
Pulses					

Lentil	DPL 62	120-125	October-Nov	0.60	
	HUL57	120-125	October-Nov	3.00	
	KLS 218	120-125	October-Nov	3.00	
Lathyrus	Ratan	125-130	October-Nov	2.00	
Rajmah	HUR 301	125-130	October-Nov	1.50	
Pea	Aman	125-130	October-Nov	1.50	
Oilseeds					
Toria	M 27	90-95	October-Nov	4.00	
Yellow sarson	Benoy	120	October-Nov	1.50	
Linseed	T-397	130-135	October-Nov	1.20	
Total				126.30	20.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production	Truthfully labelled seed production
Rabi 2016-17					
Horsegram	Local	125-130	October-Nov		3.00
Oilseeds					
Toria	TS36	90-95	October-Nov		18.09
	TS38	90-95	October-Nov		38.65
	TS 46	85-90	Oct-Early Dec		30.20
	TS 67	90-95	Oct-Early Dec		33.50
	JT 90-1	90-95	Oct-Early Dec		2.80
Linseed	T-397	130-135	October-Nov	1.10	
Niger	NG 1	130-135	October-Nov		11.50
Forage crops					
Oat	JHO822	125-130	October-Nov		2.00
Other crops					
Finger millet	Local	-	October-Nov		2.50
Buck Wheat	Local	-	October-Nov		20.00
Total				1.10	162.24

Planting material

(in lakh)

Crops	Variety	Target	Production
Kharif 2016			
Napier	-	10.00	3.00
Setaria	PSS-1/ Kazungula		3.50
Congosignal	DRSB 7		2.65
Guinea	Hamil/ BG 2		1.50

Para	Local		2.50
	Total	10.00	13.15
Rabi 2016-17			
Sugarcane	Lohit		1.40
	Dhansiri		0.65
	Borak		1.15
	Doria		0.21
	Kolong		0.07
	Nambar		0.50
	Kapilipar		0.45
	Kakodonga		0.15
	Total	0.00	4.58

Quality seed production at farmer's field

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed production	Certified seed production
Kharif 2016					
Cereals					
Paddy	Gitesh	150-160	June/July		23.18
	Others	-	-		0.16
Pulses					
Blackgram	PU-31	75-80	Feb/ March and July/ August	54.00	453.60
	IPU-94-1	75-80	-do-		15.00
Total				54.00	491.94

(in quintals)				
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Kharif 2016				
Cereals				
Paddy	Ranjit	150-155	June/July	513.00
	Gitesh	150-160	June/July	1079.40
	Ranjit Sub1	150-160	June/July	16.00
	TTB 404 (Shravani)	-	June/July/August	1094.00
	Others	-	-	127.70
Pulses				
Greengram	SGC-16	80-85	Feb/March and	94.00

			July/August	
	IPM-02-03	-do-	-do-	23.00
	IPM-32	-do-	-do-	190.00
Blackgram	PU-31	75-80	Feb/March and July/August	7.00
Oilseeds				
Sesame	Local	-	-	130.00
	-	-	-	45.00
Fibre crops				
Jute	Tarun	120-125	April-May	3.10
Green manure crops				
Dhaincha	Local	150		1.00
Total				3323.20

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed production	Certified seed production
Rabi 2016-17					
Cereals					
Paddy	Swarnabh	170	Nov/Dec		36.00
	Gitesh	200	Nov/Dec		42.00
Pulses					
Lentil	HUL 57	120-125	Oct-Nov	24.00	
	KLS-218	120-125	Oct-Nov	40.00	
	Moitree	120-125	Oct-Nov		165.00
Pea	Aman	110-120	October	13.00	
Lathyrus	Ratan	110-120	Oct-Nov	157.00	10.00
Chickpea	JG16	125-130	October-Nov	12.00	
Rajmah	HUR-301	125-130	October-Nov	30.00	
Total				276.00	253.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Rabi 2016-17				
Pulses				
Lentil	HUL 57	120-125	Oct-Nov	120.00

Oilseeds				
Toria	TS-36	90-95	Oct-Nov	30.00
	TS38	90-95	Oct-Nov	150.00
	TS46	90-95	Oct-Nov/ Early Dec	30.00
	TS-67	90-95	-do-	610.00
	TS-47	90-95	-do-	5.00
Total				945.00

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Summary

University farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	267.40	175.65	213.15	47.79	480.55	223.44
Foundation seed	2970.00	2597.23	1240.00	432.63	4210.00	3029.86
Certified seed	175.00	0.18	-	-	175.00	0.18
Truthfully labelled seed	0.00	1.70	-	0.95	-	2.65
Planting Material	-	-	11000.00	6000.00	11000.00	6000.00
Total	3412.40	2774.76	12453.15	6481.37	15865.55	9256.13
Farmers' field	(in quintals)					
Certified seed	19300.00	93611.00	1850.00	23377.00	21150.00	116988.00
Truthfully labelled seed	-	-	-	431.00	-	431.00
Total	19300.00	93611.00	1850.00	23808.00	21150.00	117419.00

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	BVD 109	85-90	15 June – 30 June	200.00	6.00
	BVD 110	90-95	15 June – 31 July		3.90
	Abhishek	125-130	15 June – 31 July		9.00



	Sahbhagi	105-110	15 June – 30 July		33.60
	Lalat	120-125	15 June – 30 July		19.50
	Navin	120-125	15 June – 30 July		24.60
	MTU 1010	110-115	15 June – 30 July		40.50
	R.Mansuri	135-145	15 June – 15 July		6.00
	MTU 7029	135-145	15 June – 15 July		17.70
	Birsamati	125-130	15 June – 15 July		2.70
	IR-64 (drt.)	115-125	15 June – 30 July		1.80
	B.V.sugandha	120-125	15 June – 30 July		1.20
	BVD 203	115-125	15 June – 30 July		1.50
Maize	Suwan-1	100-125	May - June	5.00	0.80
Ragi	A-404	100-105	15 June – 15 July	1.25	0.13
	B.Marua-2	105-110	15 June – 15 July		0.06
Pulses					
Arhar	B.Arhar-1	180-200	15 June – 15 July	45.00	1.42
Urd	Shekhar-2	70-75	15 June – 15 July	3.60	0.85
	B. Urd-1	80-85	15 June – 15 July		1.00
Kulthi	B. Kulthi-1	100-105	Aug.	4.00	0.19
Oilseeds					
Groundnut	Birsa bold	120-130	June	4.90	1.76
Til	Shekhar-2	100-105	15 June – 15 July	0.90	0.02
Safflower	-	-	-	1.00	0.00
Niger	B. Niger-3	100-105	Aug. - Sept.	1.75	0.34
	Pooja – 1	100-105	Aug. - Sept.		1.08
Total				267.40	175.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Abhishek	125-130	15 June – 31 July	2500.00	219.30
	Sahbhagi	105-110	15 June – 30 July		846.20
	Lalat	120-125	15 June – 30 July		218.77
	Navin	120-125	15 June – 30 July		313.10
	MTU 1010	110-115	15 June – 30 July		73.90
	R.Mansuri	135-145	15 June – 15 July		35.00
	MTU 7029	135-145	15 June – 15 July		433.00
	IR-64 (drt.)	115-125	15 June – 30 July		359.60
Maize	Suwan-1	100-125	May - June	125.00	14.30



Ragi	A-404	100-105	15 June – 15 July	65.00	10.45
Pulses					
Arhar	B.Arhar-1	180-200	15 June – 15 July	127.00	9.42
	Upas-120	130-135	15 June – 15 July		1.00
	Pusa-992	140-145	15 June – 15 July		0.14
	IPA 203				19.00
	Bahar	180-200	15 June – 15 July		6.00
	NDA-2	270-280	15 June – 15 July		2.00
Urd	PU-31			20.00	2.00
	Shekhar-2	70-75	15 June – 15 July		4.20
	B. Urd-1	80-85	15 June – 15 July		6.44
	P-40	75-80	15 June – 15 July		1.60
Moong	P. Vishal	65-70	15 June – 15 July	18.00	1.79
Kulthi	B. Kulthi-1	100-105	Aug.	65.00	13.30
Oilseeds					
Soybean	JS 97-52	100-105	15Jun -15 Jul	40.00	2.00
Til	Shekhar-2	100-105	15 June – 15 July		0.80
	GT-2	80-85	15 June – 15 July		0.85
Niger	B. Niger-1	95-100	Aug. – Sept.	10.00	3.07
Total				2970.00	2597.23
Pulses					Certified seed
Arhar	B.Arhar-1			175.00	0.18
Total				175.00	0.18
					Truthfully labelled seed
Green manure crop					
Dhaincha				0.00	1.70
Total				0.00	1.70

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	K 9107	125-135	Nov. – 15 Dec.	185.00	32.00
	K 1006 (new shekhar)	135-140			2.50
	K 307 (Shatabdi)	125-130			5.00
Pulses					

Gram	KPG 59	120-130	15 Oct. – 15 Nov.	18.00	0.21
Pea	HUDP 15	120-130	15 Oct. – 15 Nov.	1.75	
	DFP-1				
Lentil	KLS 218	125-130	15 Oct. – 15 Nov.	1.60	2.23
Moong	Pusa vishal			2.00	0.60
	Pant Moong-5				0.05
	Pant Moong-6				0.10
Oilseeds					
R&M	Pusa Bold	135-140	15 Oct. – 15 Nov.	1.80	0.84
	Shivani	100-105	15 Oct. – 15 Nov.		0.85
Linseed	T 397	115-120	15 Oct. – 15 Nov.	3.00	2.18
	BAU 06-03	130-135	15 Oct. – 15 Nov.		0.71
	Surbhi	130-135	15 Oct. – 15 Nov.		0.52
Total				213.15	47.79

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	K 9107	125-135	Nov. – 15 Dec.	900.00	170.40
	HD 2967	155-160	Nov. – 15 Dec.		4.60
	K 1006 (new shekhar)	135-140			72.40
	K 307 (Shatabdi)	125-130			43.40
Pulses					
Gram	KAK-2	100-105	15 Oct. – 15 Nov.	180.00	2.50
	JAKI9218	105-110	15 Oct. – 15 Nov.		12.00
	Pusa 256				27.00
	GNG 1581				5.56
Pea	HUDP 15	120-130	15 Oct. – 15 Nov.	50.00	0.00
	DFP-1				12.60
Lentil	DPL 62	130-135	15 Oct. – 15 Nov.	10.00	0.70
	KLS 218	125-130	15 Oct. – 15 Nov.		3.00
	WBL 58				5.80
	L 4076				0.52
Oilseeds					
R&M	Pusa Bold	135-140	15 Oct. – 15 Nov.	80.00	3.00
	Pusa 26	110-115	15 Oct. – 15 Nov.		10.95
	Pusa 30	115-120	15 Oct. – 15 Nov.		28.00

	Pusa Mahek (JD 6)	95-105	15 Oct. – 15 Nov.		12.00
	Shivani	100-105	15 Oct. – 15 Nov.		2.77
	NRC YS 05-02				2.50
	Tapeshwari				0.35
Linseed	T 397	115-120	15 Oct. – 15 Nov.	20.00	3.43
	BAU 06-03	130-135	15 Oct. – 15 Nov.		5.30
	Surbhi	130-135	15 Oct. – 15 Nov.		1.60
	BAU 12-01				0.45
	BAU 06-02				1.80
Total				1240.00	432.63
					Truthfully labelled seed
Oilseeds					
Linseed	T 397	115-120	15 Oct. – 15 Nov.		0.95
Total					0.95

Planting material

(in quintal)

Crops	Target	Production
Rabi 2016-17		
Sugarcane	11000.00	6000.00
	11000.00	6000.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Sahbhagi	105-110	15 June – 30 July	19000.00	29173.00
	Lalat	120-125	15 June – 30 July		974.00
	Abhishek	125-130	15 June – 31 July		7311.00
	Navin	120-125	15 June – 30 July		23988.00
	MTU 1010	110-115	15 June – 30 July		4386.00
	MTU 7029	135-145	15 June – 15 July		24350.00
	IR-36 (dt)	115-120	15 June – 31 July		50.00
	IR-64	115-120	15 June – 31 July		60.00
	Hazari	120-125	15 June – 31 July		31.00
Ragi	A404	115-120	15 June – 15 July		
Pulses					



Arhar	Bahar	270-280	15 June – 15 July	175.00	375.00
	Asha	140-202	15 June – 15 July		1170.00
	Malviya-13	189-270	July – Aug.		400.00
	B. Arhar1	180-200	15 June-15 July		30.00
	NDA-2	240-260	15 June-15 July		60.00
	IPA 203	270-280	15 June-15 July		10.00
Moong	P.vishal	60-70	March-April		25.00
	IPM 2-3	70-72	June - July	60.00	
Urd	PU-31	80-85	June – July	100.00	127.00
	B. Urd-1	80-85	15 June-15 July		45.00
	HUM-12	60-71	March – April		180.00
Kulthi	BK-1	100-105	Aug.		220.00
	Payur-2	100-105	Aug.		40.00
Oilseeds					
Sesame	Shekhar-2	105-115	15 June – 15 July		10.00
	RT 351	78-92	15 June – 15 July		36.00
Groundnut	K-6				100.00
Total				19300.00	93611.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	K9107	125-135	Nov. – 15 Dec.	1850.00	1152.00
	Lok-1				1050.00
	HD-2967	140	5-25 Nov.		6375.00
Pulses					
Gram	Pusa 372	130-135	15 Oct. – 15 Nov.		314.00
	JAKI 9218				7587.00
	KAK-2	100-105	15 Oct. – 15 Nov.		10.00
	KPG59				50.00
	Kanke safeda				36.00
Lentil	KLS218				300.00
	DPL62				122.00
	Malaviya Vishwanath (HUL 57)				967.00
Pea	HUDP 15				20.00
Oilseeds					
R&M	Pusa	95-105	15 Oct. – 15 Nov.		852.00

	Mahek(JD 6)				
	Pusa bold				429.00
	Shivani				580.00
	PM 30	137	Sep.-Oct.		3254.00
	PM 26	126	1-20 Nov.		44.00
Linseed	T 397				40.00
	Subhra				40.00
	Azad Alsi-1	122-125			155.00
Total				1850.00	23377.00
				Truthfully labelled seed	
Pulses					
Gram	GNG 1581				125.00
Oilseeds					
R&M	Pusa Mahek(JD 6)	95-105	15 Oct. – 15 Nov.		306.00
Total				0.00	431.00

**13. Centre : Rajendra Prasad Central Agricultural University, Pusa
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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Foundation seed	1652.00	1685.78	1123.00	1177.96	2775.00	2863.74
Certified seed	13.00	13.50	169.50	168.58	182.50	182.08
Truthfully labelled seed	160.00	159.40	105.00	104.23	265.00	263.63
Total	1825.00	1858.68	1397.50	1450.77	3222.50	3309.45

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Kharif 2016</i>					

Cereals					
Paddy	R. Sweta	135-140	June	130.00	131.20
	Rajshree	140-145	”	450.00	454.56
	Prabhat	95-100	”	75.00	73.80
	Sahbhagi	110-115	”	70.00	69.20
	R. Bhagwati	110-115	”	400.00	422.19
	R. Mahsuri	140-145	”	500.00	507.60
	Vaidehi	--	”	3.00	3.35
Pulses					
Arhar	Bahar	265-275	”	8.00	8.57
	NDA-1	285-295	”	8.00	8.11
	Pusa-9	200-210	September	8.00	7.20
Total				1652.00	1685.78

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	R. Bhagwati	110-115	June	13.00	13.50
Total				13.00	13.50
Truthfully labelled seed					
Cereals					
Paddy	Prabhat	95-100	June	9.00	9.00
	Sahbhagi	110-115	”	26.00	26.00
	R. Bhagwati	110-115	”	48.00	47.90
	COR-51	--	”	73.00	72.95
Pulses					
Arhar	Rajendra-1		June-July	3.00	2.52
Oilseeds					
Til	Krishna	85-90	25 Feb. to 10 March	1.00	1.03
Total				160.00	159.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Rabi 2016-17</i>					
Cereals					
Wheat	HD-2733	Timely	15-30 Nov.	230.00	229.45
	HD-2967	Timely	15-30 Nov.	350.00	380.20

	K-307	Timely	15-30 Nov.	100.00	115.90
	HD-2985	Late	01-15 Dec.	10.00	11.38
	WR-544	Very Late	up to 10 th Jan.	50.00	51.00
	DBW-14	Late	01-15 Dec.	50.00	50.00
	HD-2824	Timely	15-30 Nov.	275.00	276.00
Pulses					
Lentil	KLS-218	125-130	Oct.	30.00	32.00
Pea	HUDP-15	150-160	15 Nov.-15 Dec.	7.00	7.82
Chickpea	Pusa-372	130-135	15 Nov.-15 Dec.	8.00	7.92
Oilseeds					
Rai	Varuna	120-125	Oct.-Nov.	10.00	13.05
Toria	RAUTS-17	90-95	25 Sep-10 Oct.	3.00	3.24
Linseed	Shekhar	125-130	10Oct.-15Nov.		
Total				1123.00	1177.96

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD-2967	Timely	15-30 Nov.	165.00	164.00
Pulses					
Rajmash	Utkarsh	120-130	Oct.	4.50	4.58
Total				169.50	168.58
Oilseeds					
Rai	R. Anukul	110-120	Oct.-Nov.	1.00	0.70
	R. Suflam	110-115	Oct.-Nov.	95.00	94.93
Linseed	Shekhar	125-130	10Oct.-15Nov.	9.00	8.60
				105.00	104.23

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	62.00	54.00	4.00	3.00	66.00	57.00
Foundation seed	225.00	276.00	30.00	54.00	255.00	330.00
Certified seed	1660.00	1613.00	345.00	286.00	2005.00	1899.00
Truthfully labelled seed	562.00	693.00	315.00	295.00	877.00	988.00
Total	2509.00	2636.00	694.00	638.00	3203.00	3274.00
Farmers' field	(in quintals)					
Certified seed	803.00	728.00	115.00	113.00	918.00	841.00
Truthfully labelled seed	815.00	396.00	107.00	126.00	922.00	522.00
Total	1618.00	1124.00	222.00	239.00	1840.00	1363.00

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	GB-1	110-15	Mid. June	50.00	45.00
	GB-3	110-15	Mid. June	10.00	7.00
Pulses					
Mungbean	Sukumar	85-90	Early March	1.00	1.00
	Bireswar	85-90	Early March	1.00	1.00
Total				62.00	54.00
Foundation seed					
Cereals					
Paddy	IET-4786	106-10	Mid. June	100.00	170.00
	Pratikhya	130-35	Mid. June	30.00	64.00

	Swarna Sub-1	110-15	Mid. June	30.00	24.00
	Sujala	140-45	Mid. June	20.00	
	Kaushalya	136-40	Mid. June	20.00	
Pulses					
Black Gram	Sarada	70-75	August	5.00	2.00
	Sulata	70-75	August	5.00	1.00
	PU-31	70-75	August		1.00
	Goutam	70-75	August	5.00	1.00
Oilseeds					
Sesame	Sabitri	95	March		1.00
Fiber crops					
Jute	JRO-2407	100-05	End July	10.00	12.00
Total				225.00	276.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	IET-4786	106-10	Mid. June	1500.00	1415.00
	Pratikhya	130-35	Mid. June	10.00	135.00
	Swarna Sub-1	110-15	Mid. June	10.00	5.00
	DRR Dhan-39	110-15	Mid. June	100.00	29.00
	CR-205	110	Mid. June		6.00
	CR-304	125-30	Mid. June		8.00
	CR-305	125-30	Mid. June		2.00
	CR-406	145-50	Mid. June		4.00
	Satyabhama	105-10	Mid. June		3.00
	Sujala	140-45	Mid. June	10.00	
	Kaushalya	136-40	Mid. June	10.00	
Pulses					
Moongbean	Samrat	85-90	Early March	20.00	5.00
Oilseeds					
Sesame	Sabitri	95	March		1.00
Total				1660.00	1613.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	IET-4786	106-10	Mid. June	180.00	150.00
	Pratikhya	130-35	Mid. June	100.00	100.00
	Swarna Sub-1	110-15	Mid. June	130.00	50.00
	DRR Dhan-39	110-15	Mid. June		10.00
	CR-205	110	Mid. June		65.00
	CR-304	125-30	Mid. June		70.00
	CR-305	125-30	Mid. June		90.00
	CR-406	145-50	Mid. June		70.00
	Satyabhama	105-10	Mid. June		75.00
	Sujala	140-45	Mid. June	60.00	
	Kaushalya	136-40	Mid. June	60.00	
Pulses					
Black Gram	PU-35	70-75	August		3.00
	Sarada	70-75	August	2.00	2.00
	PU-31	70-75	August	10.00	3.00
Moongbean	Samrat	85-90	Early March	20.00	5.00
Total				562.00	693.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Pulses					
Lentil	Maitree	120	Early Nov.	3.00	2.00
Chickpea	Bidisha	110	Oct.-Nov.	1.00	1.00
Total				4.00	3.00
Foundation seed					
Cereals					
Paddy	IET-4786	106-110	Early Dec.	30.00	50.00
Oilseeds					
Mustard	B9	100	Oct.		4.00
Total				30.00	54.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	IET-4786	106-110	Early Dec.	260.00	170.00
	DRR-39	120-130	Late Nov.		10.00
Pulses					
Lentil	Maitree	120	Early Nov.		1.00
	Subrata	120	Early Nov.	10.00	10.00
Lathyrus	Ratan	110	Mid. Nov.	30.00	30.00
Oilseeds					
Mustard	B9	100	Oct.	45.00	25.00
Linseed	Neela	100	Nov.		40.00
Total				345.00	286.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	IET-4786	106-110	Early Dec.	200.00	150.00
Pulses					
Lentil	Maitree	120	Early Nov.		10.00
	Subrata	120	Early Nov.	10.00	20.00
Lathyrus	Ratan	110	Mid. Nov.	65.00	55.00
Oilseeds					
Mustard	B9	100	Oct.	40.00	25.00
Linseed	Neela	100	Nov.		35.00
Total				315.00	295.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Certified seed		Truthfully labelled seed	
		Target	Production	Target	Production
Kharif 2016					
Cereals					
Paddy	GB-1	50.00	2.00		12.00
	GB-3	20.00	10.00		9.00

	IET-4786	400.00	292.00	550.00	200.00
	Pratikhya	180.00	165.00	150.00	65.00
	Swarna Sub-1	150.00	240.00	100.00	105.00
	MTU-7029		11.00		
Pulses					
Black gram	PU-35		6.00		0.50
	Sarada	2.00	1.00	5.00	1.00
Green gram	Samrat	1.00	0.00	5.00	1.50
Fiber crops					
Jute	JRO-204		1.00	5.00	2.00
Total		803.00	728.00	815.00	396.00

(in quintals)

Crop	Variety	Certified seed		Truthfully labelled seed	
		Target	Production	Target	Production
Rabi 2016-17					
Cereals					
Paddy	IET-4786	100.00	60.00	50.00	53.00
Oilseed					
Mustard	B9	10.00	20.00	20.00	25.00
Linseed	Neela		10.00		
Lentil	Subrata	5.00	8.00	7.00	20.00
	Maître		5.00		
Lathyrus	Ratan		10.00	30.00	28.00
Total		115.00	113.00	107.00	126.00

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Foundation seed	420.00	258.24	102.25	95.00	522.25	353.24
Certified seed	384.00	1006.12	42.00	37.15	426.00	1043.27
Truthfully labelled	149.00	292.26	3.50	2.00	152.50	294.26

seed						
Total	953.00	1556.62	147.75	134.15	1100.75	1690.77
Farmers' field						
Foundation seed	-	-	90.00	65.00	90.00	65.00
Certified seed	60.00	885.00	110.00	129.00	170.00	1014.00
Truthfully labelled seed	800.00	225.00	50.00	24.65	850.00	249.65
Total	860.00	1110.00	250.00	218.65	1110.00	1328.65

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Masuri	135-140	June – July	420.00	
	GB-3	110-120	June – July		43.20
	GB-1	105-110	June – July		36.48
	Rajendra Masuri		June – July		28.80
	Pant Dhan 18	135-140	June – July		36.48
	Sahabhagi	135-140	June – July		36.48
	CR Dhan 303	140-145	June – July		14.40
	CR Dhan 304	140-145	June – July		14.40
	CR Dhan 305	140-145	June – July		9.60
	Dhiren		June – July		11.52
	Kaushalya		June – July		13.44
	Pusha Basmati 1509		June – July		13.44
Total					420.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Masuri	135-140	June – July	380.00	62.40
	MTU-7029	140-145	June – July		65.28
	MTU- 1064	140-145	June – July		67.20
	MTU – 1075	140-145	June – July		210.88
	Swarna Sub-1	135-140	June – July		134.80
	Naveen	125-130	June – July		141.72

	Sahabhagi	135-140	June – July		219.04
	Ranjit	130-135	June – July		52.80
	Pratiksha	140-145	June – July		48.00
Pulses					
Moong	Sweta			4.00	4.00
Total				384.00	1006.12

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed		
				Target	Production	
Kharif 2016						
Cereals						
Paddy	BB-11		June – July	149.00	82.56	
	Jamuna		June – July		48.00	
	Sourav		June – July		33.60	
	Niranjana	140-145	June – July		62.40	
	MTU-1006	140-145	June – July		0.90	
	Pusha – 4		June – July		1.10	
Paddy Local aromatic	Kalonunia	130-135	June – July		34.30	
	Gabinda Bhog	130-135	June – July		9.60	
	Badsha bhog	130-135	June – July		14.40	
	Tulai Panji	130-135	June – July		1.60	
	PS-5		June – July		1.80	
Pulses						
Green gram	Local					1.00
Oilseeds						
Soybean	Local				1.00	
Total				149.00	292.26	

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	IET-4094	135 days	30 th Nov- 15 th Dec.	42.25	35.00
	GB-1	125 days	Do	19.50	15.00
	Sahabhagi	115 days	Do	13.00	10.00
Wheat	K-9107	130 days	Nov 15- Dec 05	26.00	4.40
	HD-2985	125 days	Nov 15- Dec 05		1.80

	HD-2967	125 days	Nov 15- Dec 05		16.00
	DBW-39	120 days	Nov 15- Dec 05		1.20
	PBW-443	130 days	Nov 15- Dec 05		4.00
	UP-262	135 days	Nov 15- Dec 05		1.60
	HI-1563	125 days	Nov 15- Dec 05		0.60
	K-307	120 days	Nov 15- Dec 05		0.40
Pulses					
Lentil	Moitree	125 days	1 st Nov – 15 th Nov	1.50	1.00
Oilseeds					
Mustard	Bhagirathi	120 days	Nov 01- Nov 20		2.00
	Panchali	75 days	Oct 20- Oct 31		1.20
	B-54	75 days	Oct 20- Oct 31		0.80
Total				102.25	95.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	K-9107	130 days	Nov 15- Dec 05	6.00	
	DBW-14	110 days	Dec 10-Dec 20		10.60
Pulses					
Lentil	Moitree	125 days	1 st Nov – 15 th Nov	4.00	5.00
Oilseeds					
Mustard	Pitambari	125 days	Nov 01- Nov 20	32.00	0.65
	B-54	75 days	Oct 20- Oct 31		8.40
	Pusa Bahar	120 days	Nov 01- Nov 20		0.80
	NC – 1	120 days	Nov 01- Nov 20		10.00
	B-9	120 days	Nov 01- Nov 20		1.70
Total				42.00	37.15
Truthfully labelled seed					
Pulses					
Lentil	Subrata	125 days	1 st Nov – 15 th Nov	3.50	2.00
Total				3.50	2.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					



Paddy	MTU-7029	140-145	June – July	60.00	81.90
	MTU- 1075	140-145	June – July		640.00
	Swarna Sub-1	140-145	June – July		15.90
	Anjali	125-130	June – July		9.00
	Annada	125-130	June – July		32.00
	Ranjit	130-135	June – July		57.00
	Pratiksha	140-145	June – July		9.00
	Masuri	135-140	June – July		40.20
Total					60.00
				Truthfully labelled seed	
Paddy	MTU-7029	140-145	June – July	800.00	225.00
Total				800.00	225.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD2967	135 days	1 st – 15 th Nov	70.00	50.00
Pulses					
Moongbean	KM2241 (Sweta)	65 days	10 th – 15 th Sept	20.00	15.00
Total				90.00	65.00
Certified seed					
Cereals					
Wheat	HD2967	135	1 st – 15 th Nov	60.00	85.00
Pulses					
Lentil	Maitree	120	Oct – Nov	50.00	44.00
Total				110.00	129.00
Truthfully labelled seed					
Pulses					
Lentil	Maitree	120	Oct – Nov		12.50
Oilseeds					
Mustard	B-9	90 – 95	Oct – Nov	50.00	11.50
	Jhati Sarson	90 – 95	Oct – Nov		0.65
Total				50.00	24.65

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	353.80	403.99	152.00	123.58	505.80	527.57
Foundation seed	1561.50	1687.20	2.00	2.10	1563.50	1689.30
Certified seed	1032.00	1203.40	-	-	1032.00	1203.40
Truthfully labelled seed	18.00	21.99	-	-	18.00	21.99
Total	2965.30	3316.58	154.00	125.68	3119.30	3442.26
Farmers' field						
Breeder seed	-	-	708.50	604.36	708.50	604.36
Foundation seed	-	-	658.00	39.00	658.00	39.00
Total	-	-	1366.50	643.36	1366.50	643.36

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Parijat	95	June-July	2.00	2.10
	Khandagiri	95	June-July	7.00	19.00
	Lalat	130	June-July	40.00	47.70
	Bhuban	140	June-July	1.00	1.80
	Surendra	135	June-July	1.00	2.60
	Tejaswini	135	June-July	5.00	4.90
	Mrunalini	146	June-July	10.00	30.30
	Upahar	160	June-July	10.00	12.60
	Mandakini	100	June-July	15.00	46.00
	Manaswini	132	June-July	24.00	45.80
	Pratikshya	142	June- July	120.90	137.80
	Ranidhan	142	June-July	103.00	42.20

Pulses					
Pigeonpea	BRG 2	170	June-July	5.00	2.60
Cowpea (Veg.)	Utkal Manik	50-55	June-Aug and Feb-Mar	0.65	0.73
Oilseeds					
Sesamum	Amrit	82-85	June-July	0.75	0.25
	Nirmala	80-85	June-July	1.00	0.61
	Prachi	85-90	June-July, Feb-Mar	1.50	0.00
Niger	Utkal niger 150	110	15 th August	4.00	4.50
	Deomali	120	15 th August	2.00	2.50
Total				353.80	403.99

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Khandagiri	95	June-July	30.00	33.00
	Naveen	120	June- July	120.00	140.20
	Swarna Sub 1	145	June-July	90.00	94.00
	Ranidhan	142	June-July	120.00	123.00
	MTU1001	125	June-July	720.00	732.00
	MTU 7029	135	June-July	480.00	563.00
Oilseeds					
Niger	Utkal niger 150	110	15 th August	1.50	2.00
Total				1561.50	1687.20

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Lalat	130	June-July	156.00	163.00
	Pratikshya	142	June- July	180.00	220.40
	Ranidhan	142	June-July	36.00	37.00
	MTU1001	125	June-July	660.00	783.00
Total				1032.00	1203.40

<i>Kharif 2016</i>				Truthfully labelled seed	
Oilseeds					
Sesamum	Prachi	85-90	June-July, Feb-Mar	0.00	0.19
	Kalika	85-90	June-July	4.00	4.40
Green manure					
Dhaincha	Local	100	June	14.00	17.40
Total				18.00	21.99

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Rabi 2016-17</i>					
Cereals					
Paddy	Parijat	95	Dec-Jan	5.00	6.25
	Khandagiri	95	Dec-Jan	23.00	50.40
	Lalat	130	Dec-Jan	43.00	44.00
	Hiranmayee	130	Dec-Jan		1.82
Pulses					
Urdbean	Ujala	75	Nov	19.00	3.08
	Prasad	75	Nov	1.50	0.52
	PU-31	75	Dec	2.00	1.43
Mungbean	Kamdev	55	Nov	1.00	0.66
	IPM 02-14	65	Jul and Feb	3.00	1.42
	IPM02-3	60	Feb	49.00	11.70
Oilseeds					
Rapeseed & Mustard	Parbati	75-80	2 nd fortnight of Oct	3.00	1.40
	Anuradha	75-80	2 nd fortnight of Oct	2.50	0.40
	Sushree	75-80	2 nd fortnight of Oct		0.50
Total				152.00	123.58
Foundation seed					
Pulses					
Mungbean	OBGG 52	60	Nov	2.00	2.10
Total				2.00	2.10

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Pulses					
Urdbean	Ujala	75	Nov	7.50	2.86
	Prasad	75	Nov	64.00	23.26
	PU-31	75	Dec	31.00	18.51
Mungbean	Kamdev	55	Nov	23.00	10.18
	OBGG 52	60	Nov	20.00	8.14
	IPM 02-14	65	Jul and Feb	40.00	18.51
Oilseeds					
Groundnut	Devi	110	November	380.00	368.40
	Smruti	115	November	123.00	135.90
	TAG 24	120	November	20.00	18.60
Total				708.50	604.36

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Pulses					
Urdbean	Ujala	75	Nov	75.00	15.60
	Prasad	75	Nov	75.00	5.23
	PU-31	75	Dec	0.00	0.00
Mungbean	Kamdev	55	Nov	180.00	5.16
	OBGG 52	60	Nov	163.00	13.01
	IPM 02-14	65	Jul and Feb	165.00	0.00
Total				658.00	39.00

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Summary

Particulars	University farms (in quintals)					
	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Truthfully labelled seed	355.50	362.98	585.00	1255.26	940.50	1618.24
Total	355.50	362.98	585.00	1255.26	940.50	1618.24

Quality seed production at university farms

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed (in quintals)	
				Target	Production
Kharif 2016					
Pulses					
Moth	RMO-40	62-65	1-25 July	20.00	16.50
	RMB-25	62-65	1-25 July	0.50	0.25
Moong	SML-668	75-85	1-15 July	20.00	18.00
	IPM-02-03	75-85	1-15 July	2.00	3.00
	MH-421	75-85	1-15 July	2.00	1.50
Cowpea	RC-19	65-70	1-15 July	20.00	24.46
Black Gram	T-9	110	1-15 July	2.00	3.00
Oilseeds					
Groundnut	HNG-10	125-135	15 -30 June	100.00	120.00
	TG-37A	110	15 -30 June	25.00	20.00
	Girnar-2	120	15 -30 June	5.00	4.00
	Girnar-3	120	15 -30 June	5.00	4.00
	GG-20	125-130	15-30 June	5.00	4.00
Fiber crops					
Cotton	RG-8	200	1-15 May	4.00	5.00
Forage crops					
Guar	RGC-936	85-90	1-25 July	100.00	94.00
	RGC-1055	100-105	1-25 July	20.00	18.00

	RGC-1066	97	1-25 July	15.00	17.27
	RGC-1038	100-105	1-25 July	10.00	10.00
Total				355.50	362.98

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	Raj-4238	120-130	7-25 Nov	300.00	391.88
	Raj-4079	120-125	15-20 Nov		81.30
	Raj-4120	119-122	15-20 Nov		77.00
	WH-1105	120-125	7-25 Nov		59.00
	HD-2967	120-125	7-25 Nov		124.00
	HD-3086	120-125	7-25 Nov		220.50
Barley	RD-2715	115-120	7-25 Nov	150.00	184.08
Pulses					
Gram	GNG-1581	134	1-20 Oct.	50.00	50.00
	RSG-888	125-130	1-20 Oct.	10.00	5.00
	GNG-2144	134	1-20 Oct.	15.00	10.00
	GNG-1958	145-150	1-20 Oct.	60.00	50.00
Oilseeds					
Mustard	RGN-303	130-135	1-20 Oct.		2.50
Total				585.00	1255.26

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	81.66	74.64	287.40	272.17	369.06	346.81
Foundation seed	493.50	524.91	1456.00	1251.64	1949.50	1776.55

Certified seed	3.00	3.75	1094.00	1042.79	1097.00	1046.54
Truthfully labelled seed	11.00	12.65	39.00	36.07	50.00	48.72
Total	589.16	615.95	2876.40	2602.67	3465.56	3218.62

Quality seed production at university farms

(in quintals)

Crop	Variety	Breeder seed		Foundation seed	
		Target	Production	Target	Production
Kharif 2016					
Cereals					
Maize	EI 586-2	8.00	8.20		
	EI 670-2	10.00	8.15		
	BML 6	2.00	0.89		
Sorghum	CSV 23	5.36	0.10	10.00	11.36
	CSV 17	0.30	0.30		
	PC 1080	10.00	7.10	5.00	2.05
Pulses					
Blackgram	PU-1	4.00	4.60	43.00	50.26
	PU-31	1.00	0.60	70.00	76.10
	Azad 3			15.00	21.00
Horsegram	AK 42	4.00	3.70		
Oilseeds					
Groundnut	Pratap Raj Mungphali	10.00	13.00		
	TG 37 A			40.00	36.44
	JL 501			3.50	3.45
Sesame	RT 351				
Soybean	JS 2029			65.00	69.20
	RKS 24	15.00	15.00	80.00	93.00
	JS 9560			80.00	80.95
	JS 335			12.00	11.60
Soybean	JS 9305	12.00	13.00	70.00	69.50
Total		81.66	74.64	493.50	524.91

(in quintals)

Crop	Variety	Certified seed		Truthfully labelled seed	
		Target	Production	Target	Production
Kharif 2016					
Cereals					
Paddy	Pusa sugandha 5			2.50	2.80

	Pusa 1509			2.50	2.65
Pulses					
Blackgram	Azad 3	3.00	3.75	1.00	1.35
Green manure crop					
Dhaincha	DH-1			5.00	5.85
Total		3.00	3.75	11.00	12.65

(in quintals)

Crop	Variety	Breeder seed		Foundation seed	
		Target	Production	Target	Production
Rabi 2016-17					
Cereals					
Barley	RD 2715			265.00	263.47
	RD 2786			180.00	45.30
Maize	Pratap Makka 3		4.00		
	PMC-6		3.40		
	EI-586-2 (female of PMH-3)	10.00	15.05		
	EI-670-2 (male of PMH-3)	5.00	7.00		
	Pratap Kanchan-2	0.40	2.32		
Wheat	HI 8737			20.00	15.60
	Raj 4037	45.00	34.00		
	Raj 4079	40.00	57.30	710.00	684.48
	Raj 4120	35.00	32.20		
	Raj 4238			240.00	213.90
Pulses					
Gram	Pratap Chana 1	31.00	28.45	30.00	23.40
	GNG 1581	121.00	88.45		
Oilseeds					
Mustard	Laxmi			11.00	5.49
Total		287.40	272.17	1456.00	1251.64

(in quintals)

Crop	Variety	Certified seed		Truthfully labelled seed	
		Target	Production	Target	Production
Rabi 2016-17					
Cereals					
Barley	RD 2715	34.00	33.90		
Maize	Pratap Maize Hy. 3			6.00	5.98

	Pratap Kanchan-2			1.00	0.80
Wheat	Raj 4037	400.00	434.00		
	Raj 4120	75.00	69.95		
Pulses					
Gram	GNG 1581	265.00	217.48	15.00	11.44
Oilseeds					
Linseed	Pratap linseed 2			2.00	1.95
Mustard	RH-406			15.00	15.90
Total		1094.00	1042.79	39.00	36.07

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	313.38	432.26	3.00	3.40	316.38	435.66
Truthfully labelled seed	1130.51	1140.46	648.00	650.23	1778.51	1790.69
Total	1443.89	1572.72	651.00	653.63	2094.89	2226.35

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Pulses					
Moong	GM-4	60-70	15 June - 15 July	69.10	117.90
	GM-3	60-70	15 June - 15 July	3.20	1.21
	K-851	60-70	15 June - 15 July	5.95	9.10
Uradbean	GU-1	65-75	15 June - 15 July	33.35	41.41
	T-9	75-80	15 June - 15 July	16.55	1.20
Guar	GG-1	110	July	2.60	8.10
	GG-2	95-100	July	2.10	5.55
Cowpea	GC-4	75-80	July	3.75	84.06

Tur	BDN-2	120-130	15 - 30 June	6.76	5.50
	ICPL-87	130-140	15 - 30 June	2.55	0.31
	GT-101	130-140	15 - 30 June	1.30	
Field pea	GDF 1	100-120		25.00	13.50
Moth bean	GMO 1	75-80	15 - 30 June	0.35	0.41
	GMO 2	75-80	15 - 30 June	0.10	0.11
Oilseeds					
Castor	VP 1(C)	210	August	0.92	
	VI 9	210	August	0.55	1.53
	48-1	210	August	2.26	3.46
	JI 35	210	August	2.74	2.05
	SH 72	210	August	0.04	
	JI 96	210	August	0.04	0.82
	SKI 215	210	August	3.67	5.54
Groundnut	GG 2	100-110	Jun	58.80	58.80
	GJ 22	100-110	Jun	71.70	71.70
Total				313.38	432.26

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Maize	GM 2	110-120	1-15 July	40.00	43.15
Sorghum	GJ 39	110-120	1-15 July	17.00	18.40
	GFS 5	110-120	1-15 July	17.00	17.40
Pulses					
Moong	GM-4	60-70	15 June - 15 July	70.58	70.58
	GM 5	60-70	15 June - 15 July	126.68	126.68
Uradbean	GU-1	65-75	15 June - 15 July	130.61	130.61
	T-9	75-80	15 June - 15 July	0.40	0.40
Guar	GG-1	110	July	27.15	27.15
	GG-2	95-100	July	72.03	72.03
Cowpea	GDVC-2	75-80	July	0.20	0.20
Tur	GT-103	120-130	15 - 30 June	184.66	184.66
Moth bean	GMO 2	75-80	15 - 30 June	12.50	12.50
Oilseeds					
Castor	GCH 7	210	August	400.00	400.00
Fiber crops					
Sunhemp	Local	120	July	30.00	35.00

Forage crops					
Lucerne	Anand 2	120	August	1.70	1.70
Total				1130.51	1140.46

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Oilseeds					
Mustard	GM 1	110	8 - 31 Oct.	0.45	0.50
	GM 2	110 - 120	8 - 31 Oct.	0.60	0.60
	GM 3	110 - 115	8 - 31 Oct.	0.43	0.50
	GDM 4	110 - 115	8 - 31 Oct.	0.72	1.00
	GDM 5	110	8 - 31 Oct.	0.80	0.80
Total				3.00	3.40
				Truthfully labelled seed	
Cereals					
Wheat	GW 496	96 - 113	15 - 25 Nov.	305.50	305.50
	GW 451	100 - 105	15 - 25 Nov.	142.50	142.50
Oilseeds					
Mustard	GM 1	110	8 - 31 Oct.	150.00	149.50
	GDM 4	110 - 115	8 - 31 Oct.	50.00	52.73
Total				648.00	650.23

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	290.58	-	352.38	-	642.96
Foundation seed	-	671.60	-	68.65	-	740.25
Certified seed	-	1458.35	-	468.50	-	1926.85
Truthfully labelled seed	21.00	1147.99	-	635.66	21.00	1783.65

Total	21.00	3568.52	-	1525.19	21.00	5093.71
Planting materials						(in lakh)
Planting material	57.00	21.00	57.00	5.10	114.00	26.10
Total	57.00	21.00	57.00	5.10	114.00	26.10
Farmers' field						(in quintals)
Certified seed	-	280.50	-	-	-	280.50
Total	-	280.50	-	-	-	280.50

Quality seed production at university farms

						(in quintals)
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed production	Foundation seed production	
Kharif 2016						
Cereals						
Paddy	Gurjari	115-120	1-15, July (TP)	70.17	381.70	
	GR-3	110-115	1-15, July (TP)	3.25		
	GR-4	120-125	1-15, July (TP)	7.00		
	GR-7	110-115	1-15, July (TP)	9.50	135.00	
	Jaya	130-135	1-15, July (TP)	37.50		
	GR-11	130-135	1-15, July (TP)	10.00		
	Masuri	145-150	1-15, July (TP)	5.00		
	IR-28	100-105	1-15, July (TP)	2.00		
	GAR-13	130-135	1-15, July (TP)	25.00	118.50	
	GAR-2	120-125	August	0.25		
Maize	GM-3	95-110	July	14.00		
	GM-6	75-80	July		11.50	
	IGI 1103		1-7, Aug.	1.97		
Pulses						
Green gram	GAM-5	65-70	July	7.01	1.20	
Pigeon pea	AGT-2	160-200	June-July	6.68	13.20	
Oilseeds						
Soybean	NRC-37	100-110	15 June-15 July	6.50	10.50	
Groundnut	GJG-19	130	15-Jun	15.60		
	GG-20	135	09-Jun	6.00		
Fibre crops						
Cotton (Desi)	V-797	220-250	June/July	1.02		
	G. Cot – 13	230-240	June/July	3.54		
	A.D.C. – 1	230-240	June/July	0.70		
	G. Cot 21	215-220	June- July	47.64		
	GADC-2	150-160	June- July	10.25		
Total				290.58	671.60	

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production	(in quintals)	
					Truthfully labelled seed Target	Production
Kharif 2016						
Cereals						
Paddy	Gurjari	115-120	1-15, July (TP)	404.50		34.25
	GR-3	110-115	1-15, July (TP)			4.35
	GR-4	120-125	1-15, July (TP)			3.50
	GR-7	110-115	1-15, July (TP)			10.00
	GR-9	90-100	June-July			5.42
	AAUDR-1	85-95	June-July			5.34
	GR-11	130-135	1-15, July (TP)	37.70		25.00
	GR-101	130-135	1-15, July (TP)			93.65
	Masuri	145-150	1-15, July (TP)			17.40
	Narmada	130-135	1-15, July (TP)			32.60
	GAR-13	130-135	1-15, July (TP)	871.40		270.05
	Mahisagar	115-120	1-15, July (TP)			173.45
	GAR-1	120-125	August			3.55
	GAR-2	120-125	August			1.50
	GAR-3	120-125	August			0.70
Pearlmillet					21.00	0.00
Pulses						
Green gram	Meha	70	July			1.20
	GAM-5	65-70	July			10.95
Pigeon pea	AGT-2	160-200	June-July			19.00
Cluster bean	GG-1	110 -120	Aug.-Sept.			53.55
	GG-2	110	Aug.-Sept.			33.80
Oilseeds						
Soybean	NRC-37	100-110	15 June-15 July	144.75		12.00
Castor	GCH-7	210-230	Aug.-Sept.			205.35
Fibre crops						
Cotton (Desi)	G. Cot 21	215-220	June- July			8.40
	GADC-2	150-160	June- July			33.60
Sunhemp	Local	100-120	8-15 Aug.			12.68
Forage crops						
Sorghum	S-1049	80-90	July			4.05
	GAFS-11	100-110	June-July			0.35

	C-10-2	Multi-cut	Oct.-Nov.			0.40
	CoFS-29	90-100	July			4.50
Bajra	GFB-1	80-90	June-July			3.15
Others crops						
Tobacco	A 2	200 - 220	15 th Aug. to 25 th Sept.			1.50
	A 119	200 - 220	15 th Aug. to 25 th Sept.			40.00
	A 145	200 - 220	15 th Aug. to 25 th Sept.			2.00
	GT 4	200 - 220	15 th Aug. to 25 th Sept.			2.00
	GT 5	200 - 220	15 th Aug. to 25 th Sept.			1.00
	GT 7	200 - 220	15 th Aug. to 25 th Sept.			15.00
	GT 8	200 - 220	15 th Aug. to 25 th Sept.			0.10
	GT 9	200 - 220	15 th Aug. to 25 th Sept.			0.10
	ABT 10	200 - 220	15 th Aug. to 25 th Sept.			0.50
	GABT 11	200 - 220	15 th Aug. to 25 th Sept.			2.00
	Hybrid 1	200 - 220	15 th Aug. to 25 th Sept.			0.05
Total				1458.35	21.00	1147.99

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed production	Foundation seed production
Rabi 2016-17					
Cereals					
Wheat	GW 496	120-130	1-7, Dec		18.00
	Lok 1	120	15-25, Nov.	47.00	
	GW 322	110-120	15-25, Nov.	53.00	
	GW 451	105-110	15-25, Nov.		18.00
	GW173	85-90	15-25, Nov.	50.00	
Maize	GM 3	90	Oct. Nov.	8.00	
	GM 2	110-120	Oct. Nov.	18.30	
	GAYMH-1	110-130	Oct.- Nov.	30.00	
	GM 6	75-80	Oct.- Nov.		20.00
	IGI 1101	110	Oct.- Nov.	4.00	
	IGI 1102	110	Oct.- Nov.	0.70	

	IGI 1103	110	Aug.	3.36	
	IGI 1104	110	Oct.- Nov.	2.50	
	GM 4	110-120	Oct.- Nov.	0.00	
	Narmada Moti	110-120	Dec.	5.00	
Pulses					
Gram	GG-2	100-110	15-30 Nov.	26.52	
	GJG 3	100-110	Oct-Nov.		10.00
Green gram	GAM 5	75	Feb-March	3.50	
	Meha	85	Feb-March		2.65
Forage crops					
Lucerne	AL-3	200	Nov.	4.00	
	Anand-2	210-220	15-30 Nov.	11.50	
Oat	Kent	130-140	Nov.	85.00	
Total				352.38	68.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production	Truthfully labelled seed production
Rabi 2016-17					
Cereals					
Wheat	GW 496	120-130	1-7, Dec	468.50	206.68
	GW 1	110-120	Oct.- Nov.		169.39
	GW 451	105-110	15-25, Nov.		35.00
	GW 366	105-110	15-25, Nov.		11.00
Maize	GAWMH 2	80-90	Oct.- Nov.		23.52
	GM 6	75-80	Oct.- Nov.		26.50
	GM 4	110-120	Oct.- Nov.		20.00
	Narmada Moti	110-120	Dec .		9.00
Pulses					
Gram	GG-1	110-120	15-30 Nov.		20.50
	GG-2	100-110	15-30 Nov.		51.77
	JG-14	100-110	15-30 Nov.		2.30
	GJG 3	100-110	Oct-Nov.		22.00
Forage crops					
Lucerne	Anand-2	210-220	15-30 Nov.		9.00
Oat	JO-03-91	130-140	November		6.00
Other crops					
Tobacco	GC 1	160- 200	Oct. to Nov.		7.00
	GCT 2	160- 200	Oct. to Nov.		1.00

	GCT 3	160- 200	Oct. to Nov.		12.00
	DCT 4	160- 200	Oct. to Nov.		3.00
Total				468.50	635.66

Planting material

(in lakh)

Crops	Variety		
		Target	Production
Kharif 2016			
Hybrid Napier	APBN-1/ Co-3	2.00	1.00
Tobacco		55.00	20.00
Total		57.00	21.00
Rabi 2016-17			
Hybrid Napier	APBN-1/ Co3	2.00	1.60
Tobacco		55.00	3.50
Total		57.00	5.10

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production
Kharif 2016				
Cereals				
Paddy	Gurjari	120-125	1-15, July (TP)	150.00
	GAR-13	130-135	1-15, July (TP)	130.50
Total				280.50

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Summary

University farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	1573.87	2788.51	492.00	694.30	2065.87	3482.81
Foundation seed	-	432.29	-	32.80	-	465.09

Truthfully labelled seed	80.00	1163.04	-	1513.87	80.00	2676.91
Planting material	-	-	-	896.80	-	896.80
Total	1653.87	4383.84	492.00	3137.77	2145.87	7521.61
Farmers' field						
Certified seed	-	1292.40	-	-	-	1292.40
Truthfully labelled seed	-	821.47	-	2840.28	-	3661.75
Total	-	2113.87	-	2840.28	-	4954.15

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed		
				Target	Production	
Kharif 2016						
Pulses						
Pigeonpea	GJP 1	165-170	June		31.50	
Oilseeds						
Sesame	GT 1	85	June-July	2.80	2.85	
	GT 2	90	June-July	15.63	12.50	
	GT 3	90	June-July	6.88	12.91	
	GT 4	85	June-July	2.42	2.50	
	GJT 5	85	June-July	1.00	0.15	
	GT 10	90	Aug-Sept.	4.95	3.30	
	Groundnut	GG 2	98	June-July	34.61	64.80
		GG 5	100	June-July	23.60	26.40
		GG 7	99	June-July	23.20	36.60
		GG 8	106	June-July		17.40
GJG 9		103	June-July	50.00	133.50	
GJG 31		117	June-July	60.00	18.30	
GAUG 10		110	June-July	54.00	39.00	
GJG-HPS 1		110	June-July	5.00	15.60	
GJG 17		121	June-July	59.60	107.70	
GJG 18		121	June-July	18.00	9.90	
GJG 19	121	June-July	20.00	15.60		
GG 11	112	June-July	109.61	105.60		
GG 16	119	June-July		6.00		
GG 20	109	June-July	947.41	1884.90		
GG 21	123	June-July	24.00	41.40		
GJG 22	118	June-July	111.16	200.10		
Total				1573.87	2788.51	

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed production	(in quintals)	
					Truthfully labelled seed Target	Production
Kharif 2016						
Cereals						
Sorghum	Gundhari	90	Aug.-Sept.		80.00	51.99
Pulses						
Mungbean	GM 4	75	June-July	1.77		38.86
Urdbean	GU 1	75	June-July	2.95		50.84
Pigeonpea	BDN 2	165-170	June			90.00
	Vaishali	160-165	June	14.00		
	GJP 1	165-170	June			19.76
Oilseeds						
Sesame	GT 2	90	June-July	0.80		8.32
	GT 3	90	June-July	0.57		52.28
	GT 10	90	Aug-Sept.			4.13
Soybean	GJS 3	100	June-July			129.88
Groundnut	GJG 9	103	June-July	9.60		17.97
	GJG 31	117	June-July			63.30
	GG 20	109	June-July	190.80		486.03
	GJG 22	118	June-July	211.80		37.70
	TG 37 A	90	June-July			74.90
Castor	GC 3	210	August			5.00
Fiber crops						
Cotton	G. Cot 21	260	July			20.00
	G. Cot.13	260	July			10.00
Forage crops						
Cowpea	AVC 1	100-110	June-July			2.08
Total				432.29	80.00	1163.04

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Breeder seed Target	Production
Rabi 2016-17					
Cereals					
Wheat	LOK 1	85 Days	Nov.		30.35
	GW 366	105 Days	Nov.	336.00	315.60
	GW 496	87 days	Nov.r		129.20
Pulses					
Chickpea	GG 1	118 Days	Nov.	15.00	19.90

	GG 2	98 Days	Nov.	27.00	26.50
	GJG 3	100 Days	Nov.	69.00	82.00
	GG 4	110 Days	Nov.	45.00	45.25
	GG 5	100 Days	Nov.		45.50
Total				492.00	694.30

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed production
Rabi 2016-17				
Pulses				
Chickpea	GJG 3	100	Nov.	32.80
Total				32.80
				Truthfully labelled seed production
Cereals				
Wheat	LOK 1	85	Nov.	700.98
	GW 366	105	Nov.	68.00
	GW 496	87	Nov.r	588.49
	GW 173	90	Dec.	30.00
Pulses				
Chickpea	GJG 3	100	Nov.	126.40
Total				1513.87

Planting material

(in quintal)

Crops	Variety	Production
Rabi 2016-17		
Sugarcane Setts	CON 05071	896.80
	CO 6304	
	CON 91132	
Total		896.80

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production	Truthfully labelled seed production
Kharif 2016					
Pulses					
Mungbean	GM 4	75	June-July		19.50
Pigeonpea	GT 101	160-165	June		226.80

Urdbean	GU 1	75	June-July		15.00
Oilseeds					
Sesame	GT 3	85	June-July		21.25
Groundnut	GJG 9	103	June-July		202.75
	GG 20	109	June-July	1292.40	271.72
	GJG 22	118	June-July		312.50
Total				1292.40	821.47

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Rabi 2016-17				
Cereals				
Wheat	LOK 1	85 Days	Nov.	900.00
	GW 366	105 Days	Nov.	434.60
	GW 496	87 days	Nov.	111.00
Pulses				
Chickpea	GJG 3	100 Days	Nov.	962.55
	GJG 5	100 Days	Nov.	432.13
Total				2840.28

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	36.70	46.00	85.00	86.90	121.70	132.90
Foundation seed	380.00	519.00	10.00	22.25	390.00	541.25
Certified seed	2420.00	2684.23	100.00	130.91	2520.00	2815.14
Truthfully labelled seed	533.50	1250.08	155.00	293.16	688.50	1543.24
Planting material	5000.00	3467.00	-	-	5000.00	3467.00
Total	8370.20	7966.31	350.00	533.22	8720.20	8499.53

Planting materials						(in lakh)	
Planting material	0.30	0.35	-	-	0.30	0.35	
Tissue culture	2.10	1.43	-	-	2.10	1.43	
Total	2.40	1.78	-	-	2.40	1.78	

Quality seed production at university farms
(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	NAUR-1	120-125	June-July	4.00	6.10
	GNR-2	125-130	June-July	2.00	4.90
	GNR-3	115-120	June-July	10.00	12.50
	GNR-4	130-135	June-July	2.00	2.10
	GNR-5	130-135	June-July	2.00	4.90
Sorghum	GJ-38	110-115	Oct-Nov	1.00	
	GJ-42	115-120	Oct-Nov	1.00	
Nagli	GN-4	125-130	June-July	0.60	
	GN-5	120-125	June-July	0.60	
	GNN-6	115-120	June-July	1.00	
Vari	GV-2	115-120	June-July	0.50	
Pulses					
Pigeonpea	Vaishail	135-140	15-30 June	5.00	9.00
Oilseeds					
Castor	SKP-84	180-210	Sep-Oct	2.50	5.50
	VP-1	150-180	Sep-Oct	4.00	1.00
Niger	GN-2	95-100	June-July	0.50	
Total				36.70	46.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Jaya	130-135	June-July	70.00	91.20
	Gurjari	115-120	June-July	60.00	73.90
	Masuri	140-145	June-July	20.00	23.10
	GR-7	115-120	June-July	20.00	26.60
	IR-28	105-110	June-July	20.00	29.40

	NAUR-1	120-125	June-July	25.00	36.80
	GNR-2	125-130	June-July	15.00	24.00
	GNR-3	115-120	June-July	100.00	142.80
	GAR-13	125-135	June-July	30.00	35.20
Pulses					
Pigeonpea	Vaishail	135-140	15-30 June	20.00	36.00
Total				380.00	519.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Jaya	130-135	June-July	550.00	607.35
	Gurjari	115-120	June-July	350.00	379.30
	Masuri	140-145	June-July	70.00	80.50
	GR-7	115-120	June-July	100.00	128.50
	IR-28	105-110	June-July	240.00	275.36
	NAUR-1	120-125	June-July	30.00	36.96
	GNR-3	115-120	June-July	800.00	874.28
Pulses					
Pigeonpea	Vaishail	135-140	15-30 June	280.00	301.98
Total				2420.00	2684.23

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	GNR-3	115-120	June-July	250.00	850.12
	GNR-5	130-135	June-July	10.00	15.00
	GNR-6	105-110	June-July	10.00	23.40
	Local	105-110	June-July	5.00	9.00
	Purna	105-110	June-July	25.00	43.70
	GNRH-1	100-105	June-July		4.00
Sorghum	GJ-38	110-115	Oct-Nov	20.00	15.00
	GJ-42	115-120	Oct-Nov	20.00	20.00
	GNJ-1	115-120	Oct-Nov		2.35
	BP-53	130-135	Oct-Nov		3.40
Nagli	GN-4	125-130	June-July	2.50	1.10

	GN-5	120-125	June-July	2.50	1.05
	GNN-6	115-120	June-July	4.00	4.00
	GNN-7	115-120	June-July		0.95
Vari	GV-2	115-120	June-July	2.50	4.24
	GV-3	120-125	June-July		0.60
Pulses					
Pigeonpea	Vaishail	135-140	15-30 June	40.00	17.35
	GT-1	160-180	15-30 June	3.00	9.50
	GT-101	150-165	15-30 June	0.50	
	GT-103	120-130	15-30 June	0.50	
	BDN-711	120-130	15-30 June	1.50	1.80
	GNP-2	140-150	15-30 June		7.85
Blackgram	GU-1	80-90	15-30 Aug	15.00	10.04
	T-9	70-80	15-30 Aug		1.40
Oilseeds					
Castor	NCH-1	220-235	Sep-Oct		10.45
Niger	GN-1	110-120	June-July	0.50	0.34
	GN-2	95-100	June-July	0.50	1.25
	(NRS-96)				
	GNNIG-3	100-110	June-July	0.50	0.50
	Local	95-100	June-July		0.90
	Dharampur local	95-100	June-July		0.30
Soybean	JS-335	95-100	15-30 July	20.00	25.00
	G.Soy-2	105-110	15-30 July	10.00	1.95
	G.Soy-3	100-105	15-30 July	20.00	1.28
	G.Soy-KDS-344	105-110	15-30 July		1.15
	NRC-37	110-115	15-30 July		57.92
Fiber crops					
Cotton	6 diff. Hyrbids	-	June-July	55.00	10.11
	17 diff. Parents	-	June-July		15.65
	10 Stable varieties	-	June-July		62.43
Fodder crops					
Sorghum	CSV-21F	75-80	Oct-Nov	10.00	12.50
	GSF-5	45-50	Oct-Nov	5.00	2.50
Total				533.50	1250.08

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	Lok-1	115-120	Oct-Nov	85.00	79.00
Pulses					
Pigeon pea	GT-102	140-150	15-30 Oct		0.20
Green gram	Meha	80-90	Feb		7.40
	GBM-1	90-100	Oct/feb		0.10
Indian bean	G.Wal-1	120-130	Oct-Nov		0.20
Total				85.00	86.90
Pulses					
Foundation seed					
Green gram	Meha	80-90	Feb	10.00	22.25
Total				10.00	22.25
Certified seed					
Pulses					
Green gram	Meha	80-90	Feb	100.00	103.51
	Co-4	100-110	Feb-Mar		13.10
Chickpea	GG-2	100-105	15-30 Nov		7.18
	PKV-2	110-115	15-30 Nov		0.80
	GG-5	95-100	15-30 Nov		2.82
Fibre Crops					
Sun hemp	Local	115-120	Oct-Nov		3.50
Total				100.00	130.91

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	Lok-1	115-120	Oct-Nov	10.00	37.30
	GW-496	110-115	Oct-Nov	20.00	37.60
Pulses					
Pigeon pea	GT-102	140-150	15-30 Oct	1.00	
Green gram	Meha	80-90	Feb	15.00	15.18
	Co-4	100-110	Feb-Mar	30.00	56.43
	GBM-1	90-100	Oct/feb	10.00	15.00

	GAM-5	80-90	Feb		9.00
Indian bean	G.Wal-1	120-130	Oct-Nov	5.00	0.00
	G.Wal-2	115-120	Oct-Nov	5.00	9.78
	GNIB-21 (NPS-1)	70-80	Oct-Nov	5.00	12.83
Chickpea	GG-2	100-105	15-30 Nov	15.00	11.21
	PKV-2	110-115	15-30 Nov	5.00	0.50
	GG-5	95-100	15-30 Nov	5.00	
	BDG-72	100-105	15-30 Nov	3.00	
	ICCC-4	90-105	15-30 Nov	1.00	0.22
	ICCC-88202		15-30 Nov		0.71
Fibre Crops					
Sun hemp	Local	115-120	Oct-Nov	25.00	87.40
Total				155.00	293.16

Planting material

Crops	Planting material (in quintal)		Planting material (in lakh)		Tissue culture plantlets (in lakh)	
	Target	Production	Target	Production	Target	Production
Kharif 2016 Univ.						
Sugarcane	5000.00	3467.00			2.10	1.42984
Sugarcane (Single eye bud)			0.30	0.3536		
Total	5000.00	3467.00	0.30	0.35	2.10	1.43

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	120.00	286.15	38.00	682.80	158.00	968.95
Foundation seed	4120.00	2757.17	1774.00	422.10	5894.00	3179.27
Certified seed	954.00	1767.00	75.00	883.63	1029.00	2650.63
Truthfully labelled seed	-	218.91	-	18.05	-	236.96

Total	5194.00	5029.23	1887.00	2006.58	7081.00	7035.81
Planting materials	(in lakh)					
Planting material	-	0.50	-	-	-	0.50
Total	-	0.50	-	-	-	0.50
Farmers' field	(in quintals)					
Certified seed	2100.00	1385.00	-	-	2100.00	1385.00
Total	2100.00	1385.00	-	-	2100.00	1385.00

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Kharif 2016						
Cereals						
Paddy	Mahamaya	128	100.00		3700.00	237.50
	Karma Mahsuri	125		49.20		411.90
	MTU 1010	110				73.20
	Samleshwari	105				49.10
	Indira Barani Dhan 1	95				12.60
	Jaldubi	140				28.79
	IGKV R 1	120				637.48
	IGKV R 2	125		69.60		184.74
	IGKV R 1244	130				382.72
	IR 64	115		31.20		
	Chandrahasini	135				19.90
	Indira Aerobic 1	125				91.40
	Indira Sugandhit Dhan	130				67.80
	Badshabhog Selection 1	140		9.00		
	Vishnubhog Selection 1	140		2.65		
	Dubraj Selection 1	140		16.20		
	Tarunbhog Selection 1	140		13.20		
	CG Sugandhit Bhog	130		12.30		
	CGZR-1	110		4.50		
	PS 5	120				11.76
	MTU 1001	0				
Kodo	Indira Kodo 1	100-105	0.50	2.50		9.55
Ragi	Indira Ragi 2	95-100	0.50			6.83



	CG Ragi 2	95-100		1.50		
	Indira Ragi 1	105-110		2.30		
Pulses						
Pigeon pea	Asha	175-180		14.40	200.00	25.00
	Rajjev Lochan	180-190		19.60		37.33
Urdbean	Indira Urd 1	75-80	2.00	2.20		3.46
Mungbean	HUM 12	60-65				3.23
Horsegram	Indira Kulthi 1	95-100	1.00	8.00		5.79
	Chhattisgarh Kulthi 2	95-100		0.60		0.25
Oilseeds						
Soybean	JS 93-05	90-95	16.00	202.80	220.00	90.00
	JS 335	95-100		27.20		102.00
	JS 97-52	100-105		14.40		261.00
Niger	JNS 2	90-100				1.36
	JNS 9	90-100				1.48
Sesamum	GT 2	80-85				1.00
Total			120.00	286.15	4120.00	2757.17

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed		Truthfully labelled seed production
			Target	Production	
Kharif 2016					
Cereals					
Paddy	Mahamaya	128	870.00	538.10	
	MTU 1010	110		173.57	31.20
	Bamleshwari	140		44.30	
	Samleshwari	105		76.05	
	Indira Barani Dhan1	95			4.90
	IGKV R 1	120		567.00	
	CR-40	130		15.90	
	PK V- HMT	135		94.95	
	Indira Aerobic 1	125			2.90
	Badshabhog Selection 1	140			18.70
	Vishnubhog Selection 1	140			27.75
	Dubraj Selection 1	140			52.20
	Tarunbhog Selection 1	140			3.15
	CG Sugandhit Bhog	130			8.10
	CGZR-1	110			46.00
	PS 5	120			4.20

	MTU 1001			57.55	
Pulses					
Pigeon pea	Asha	175-180	50.00	179.99	
	Rajjev Lochan	180-190		18.69	8.40
Oilseeds					
Soybean	JS 93-05	90-95	25.00		
	JS 335	95-100			11.16
Niger	BN 3	100-110	3.00		
	GA 10	100-110			
	JNS 2	90-100			
	JNS 9	90-100			
Sesamum	GT 2	80-85	6.00	0.90	
	TKG 306	85-90			0.25
Total			954.00	1767.00	218.91

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Rabi 2016-17						
Cereals						
Wheat	GW 273	110	30.00	178.00	1320.00	134.80
	Ratan	110				6.00
	MP 1203	110		88.80		46.00
	HI 1544	110				68.00
	GW 366	110		286.00		27.30
	Sujata	120		16.00		
	C 306					5.60
Pulses						
Chickpea	Vaibhav	120	-	52.80	250.00	77.55
Fieldpea	Shubhra	100				19.55
	Indira Matar 1	100-110		1.00	25.00	
	Paras	100				15.00
Lathyrus	Pratik	105			24.00	
	Mahateora	95		25.20		
Pea (Garden)	Arkel			4.00		
Cow pea	Kashi Kanchan			1.00		
	Indira Barbatti			0.80		
Oilseeds						
Linseed	RLC 92	100	8.00	14.80	70.00	7.65

	Deepika	105				2.00
	Kartika	100		14.40		
	Indira Alsic 32	110-115				
Mustard	CG Sarson	100			85.00	12.65
Total			38.00	682.80	1774.00	422.10

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed		Truthfully labelled seed production
			Target	Production	
Rabi 2016-17					
Cereals					
Wheat	GW 273	110	50.00		
	Ratan	110		58.90	
	MP 1203	110			
	HI 1544	110		3.55	
	GW 366	110		422.35	
	CG Gehu 2	105			6.37
	CG Gehu 3	110			9.69
	CG 10				1.40
	DBW 110	120			0.59
Pulses					
Chickpea	Vaibhav	120		13.55	
	JG 130	110		96.00	
	JG 14	110		95.70	
	JAKI 9218	110		33.35	
Fieldpea	Paras	100		125.55	
Pigeon Pea	Asha	100		12.30	
Oilseeds					
Linseed	RLC 92	100		8.80	7.15
	Kartika	100		26.45	
Mustard	CG Sarson	100	25.00	0.68	
Total			75.00	883.63	18.05

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	IGKV R 1	125	2100.00	980.00
	Swarna Sub 1	140		723.00

	Mahamaya	130		662.00
Total			2100.00	1385.00

Planting material

(in lakh)	
Crops	Production
Kharif 2016	
Sugarcane	0.50
Total	0.500

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Summary
University farms
(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	5842.05	9293.93	4577.80	8109.53	10419.85	17403.46
Total	5842.05	9293.93	4577.80	8109.53	10419.85	17403.46
Farmers' field	(in quintals)					
Foundation seed	22779.00	27740.00	7360.00	8900.00	30139.00	36640.00
Total	22779.00	27740.00	7360.00	8900.00	30139.00	36640.00

Quality seed production at university farms
(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	MTU 1010	120	25 June-10 July	0.00	2349.45
	Kranti	130	25 June-10 July	8.50	1991.00
	IR 36	115	25 June-10 July	55.00	60.00
	IR 64	120	25 June-10 July		1539.90
	Sahbhagi	85	25 June-10 July		58.50
	JR 81	90	25 June-10 July		85.50
	JR 201	85	25 June-10 July	50.00	57.60

	WGL 32100	130	25 June-10 July		30.60
	JRH 5	105	25 June-10 July		3.60
	JRH 19	100	25 June-10 July		0.40
	JRH 8	110	25 June-10 July		0.45
	Danteshwari	95	25 June-10 July		197.10
	JR 503	115	25 June-10 July		5.40
	PS 3	115	25 June-10 July		11.70
	PS 4	120	25 June-10 July		342.70
	PS 5	120	25 June-10 July		48.60
	Pusa 1460	140	25 June-10 July		42.30
	JR 767	110	25 June-10 July		18.00
	JRV 1	110	25 June-10 July		17.10
	Improved Chinoor	110	25 June-10 July		30.60
Maize					100.00
Kodo	JK 439	115	25-30 June	1.50	4.05
	JK 48	110	25-30 June		2.25
	JK 41	115	25-30 June		4.50
	JK 137	100	25-30 June		2.02
	JK 155	110	25-30 June	1.50	0.12
	JK 13	80-85	25-30 June	1.40	0.15
	JK 106	90	25-30 June	1.00	4.05
Kutki	JK 8	110	25-30 June		4.91
	JK 36	95	25-30 June		1.46
Pulses					
Arhar	TJT 501	140-150	1 - 10 July	35.20	328.50
	Asha (ICPL 87119)	150-160	1 - 10 July	4.85	10.80
Moong	TJM 3	70	10 – 20 March	7.50	0.90
Urad	JU 3	75	10 – 20 March	18.00	2.25
	TU 94-2	65	10 – 20 March	27.00	0.90
Oilseeds					
Soybean	JS 20-69	90	15-30 June	100.00	202.00
	JS 20-29	90-95	15-30 June	3000.00	1338.85
	JS 97-52	110	15-30 June	600.00	93.60
	JS 95-60	85-90	15-30 June	250.00	12.85
	JS 20-34	85-90	15-30 June	1000.00	217.80
	JS 93-05	100	15-30 June	360.00	24.00
	JS 335	105	15-30 June	315.00	31.58
Niger	JNC 6	110	1-10 August		5.40
	JNC 9	115	1-10 August		3.60



Til	TKG 55	110	15-30 June		1.82
	TKG 21	110	15-30 June	0.75	0.55
	TKG 22	110	15-30 June	0.75	3.13
	JTS 8	105	15-30 June		0.81
	TKG 306	105	15-30 June	2.90	0.16
	TKG 308	110	15-30 June	1.20	0.42
Total				5842.05	9293.93

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	JW 3288	120-122	15-30 Nov.	200.00	743.84
	JW 3211	115-120	15-30 Nov.	260.00	1766.05
	GW 322	115-120	15-30 Nov.	745.80	1095.79
	C-306	135-140	1-15 Nov.		43.39
	MP 1203	115-120	1-15 Dec.	210.00	266.73
	MP-1202	115-120	1-15 Dec.	125.00	56.57
	MP-1201	115-120	1-15 Dec.	110.00	20.57
	MP-1142	105-110	15-30 Nov. 1-15 Dec.	214.20	27.57
	MPO-1215	115-120	15-30 Nov.	135.00	70.55
	MPO-1106	115-120	15-30 Nov.	20.00	7.95
	MPO-1255	115-120	15-30 Nov.		7.95
	LOK -1	105-110	1-15 Dec.		300.79
	GW 366	110-115	15-30 Nov.	100.00	299.17
	GW 273	115-120	15-30 Nov.	120.00	273.60
	JW 3020	115-120	15-30 Nov.	150.00	108.55
	JW 3382	105-110	15-30 Nov.		49.94
	JW 3336	100-105	1 Dec.-15 Dec.	55.00	174.43
	JW 3173	120-122	15-30 Nov.	140.00	20.13
	JW17	130-135	15-30 Nov.	15.00	16.62
	Sujata	135-140	10-20 Nov.		13.82
	DBW 110	120-125	15-30 Nov		7.83
Barley	JB-1	115	15-30 Nov.	15.00	16.33
	JB 58	120-122	15-30 Nov.	41.00	20.81
Pulses					
Gram	JG 11	110	15 Oct.-30 Oct.		90.87
	JG-12	120	15 Oct.-30 Oct.	120.00	173.92

	JG-14	105-110	15 Oct.-30 Oct.	396.80	397.92
	JG -63	120	15 Oct.-30 Oct.	417.00	616.87
	JG 130	120	15 Oct.-30 Oct.		83.14
	JG 315	120	15 Oct.-30 Oct.	465.00	273.85
	JG 322	120	15 Oct.-30 Oct.	418.00	370.69
	JG 16	115-120	15 Oct.-30 Oct.		78.35
	JAKI -92-18	115	15 Oct.-30 Oct.		18.63
	JG -74	120-125	10 Nov.-20 Nov.	80.00	9.89
Lentil	JL-3	120	15 Oct.-30 Oct.	25.00	44.28
Pea	JM -6	115	15 Oct.-30 Oct.		60.91
	Kashi Nandini	100	15 Oct.-30 Oct.		50.46
	IPF 99-25	115	15 Oct.-30 Oct.		44.99
	PSM 3	105	15 Oct.-30 Oct.		162.41
	JP 885	115	15 Oct.-30 Oct.		50.64
	Arkel	105	15 Oct.-30 Oct.		12.24
Oilseeds					
Linseed	JLS-27	115-120	15 Oct.-30 Oct.		86.56
	JLS- 66	115	15 Oct.-30 Oct.		29.23
	JLS-67	115-120	15 Oct.-30 Oct.		0.85
	PKDL-41	115	15 Oct.-30 Oct.		6.55
	JLS-73	110	15 Oct.-30 Oct.		11.48
Mustard	Pusa Jai Kisan	115	15 Oct.-30 Oct.		8.93
	P. Tarak	105-110	10 Oct.-20 Oct.		0.41
Niger	JNS 30	115	10 Oct.-20 Oct.		1.84
	JNS 28	115	10 Oct.-20 Oct.		0.47
	JNC 6	110	10 Oct.-20 Oct.		1.84
Forage crops					
Berseem	JB-1	150-160	15 Nov.-30 Nov.		2.98
	JB-5	145-155	15 Nov.-30 Nov.		0.85
Oat	KENT	110-120	15 Nov.-30 Nov.		8.50
Total				4577.80	8109.53

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	MTU 1010	120	25 June - 10 July	4000.00	5000.00
	Kranti	130	25 June - 10 July	3000.00	3500.00

	IR 64	120	25 June - 10 July	3800.00	4500.00
	Sahbhagi	85	1 - 10 July	1500.00	2000.00
	WGL 32100	130	25 June - 10 July	500.00	700.00
	Danteshwari	95	25 June - 10 July	4000.00	4600.00
	JR 503	115	25 June - 10 July	350.00	400.00
	PS 3	115	25 June - 10 July	500.00	800.00
	PS 4	120	25 June - 10 July	3000.00	3500.00
	PS 5	120	25 June - 10 July	800.00	900.00
	Pusa 1460	140	25 June - 10 July	1000.00	1200.00
Maize				300.00	400.00
Kodo	JK 48	110	25-30 June	3.00	5.00
	JK 41	115	25-30 June	8.00	10.00
Pulses					
Arhar	TJT 501	140-150	1 - 10 July	150.00	200.00
Moong	TJM 3	70	10 - 20 March	8.00	10.00
Urad	JU 3	75	10 - 20 March	10.00	15.00
Total				22779.00	27740.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	GW 322	115-120	15-30 Nov.	3500.00	4000.00
	C-306	135-140	1-15 Nov.	180.00	200.00
	LOK -1	105-110	1-15 Dec.	1000.00	1200.00
	GW 366	110-115	15-30 Nov.	600.00	800.00
	GW 273	115-120	15-30 Nov.	650.00	800.00
	JW 3382	105-110	15-30 Nov.	400.00	500.00
	JW 3336	100-105	1 Dec.-15 Dec.	500.00	800.00
	Sujata	135-140	10-20 Nov.	80.00	100.00
Pulses					
Pea	PSM 3	105	15 Oct.-30 Oct.	450.00	500.00
Total				7360.00	8900.00

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	2623.36	1529.73	251.40	499.30	2874.76	2029.03
Foundation seed	335.20	337.97	271.50	220.37	606.70	558.34
Certified seed	97.60	47.85	184.00	60.20	281.60	108.05
Truthfully labelled seed	330.10	129.36	306.12	102.95	636.22	232.31
Total	3386.26	2044.91	1013.02	882.82	4399.28	2927.73

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed		
				Target	Production	
Kharif 2016						
Cereals						
Sorghum	PVK 801	115-12	June-July	40.56	11.67	
Pearl Millet	ABPC 4-3	80-85	June-July	10.00	1.80	
Paddy	Terna	110-120	June-July	10.00	4.50	
	TJP 48	110-115	June-July	10.00	2.50	
Pulses						
Mung	BM 4	6-65	June	12.00	11.25	
	BM 2002-1	65-70	June	19.20	9.00	
	BM 2003-2	65-70	June	39.60	25.61	
Uddid	BDU 1	70-75	June	22.00	11.00	
	Pigeon pea	BSMR 736	175-18	June-July	20.00	13.47
		BSMR 853	17-175	June-July	40.00	9.00
		BDN 708	200-210	June-July	70.00	16.50
BDN 711		150-160	June-July	296.00	77.00	
BDN 716		160-170	June-July	30.00	17.00	
Oilseeds						
Soybean	MAUS 71	93-96	June-July	382.00	392.56	

	MAUS 158	95-98	June-July	1220.00	687.27
	MAUS 162	100-103	June-July	70.00	68.50
	JS 335	95-98	June-July	120.00	65.60
	JS 93-05	95-100	June-July	194.00	102.00
Fiber crops					
Cotton	NH 615	15-16	June	18.00	3.50
Total				2623.36	1529.73

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Pulses					
Moong	BM 2003-2	65-70	June	7.20	30.02
Pigeon pea	BDN 711	150-160	June-July	80.00	91.00
Oilseeds					
Soybean	MAUS 71	93-96	June-July	248.00	216.95
Total				335.20	337.97
Certified seed					
Cereals					
Sorghum	PVK 801	115-12	June-July	24.00	11.00
Pulses					
Moong	BM 2003-2	65-70	June	48.60	36.85
Pigeon pea	BDN 711	150-160	June-July	10.00	
Fiber crops					
Jute	JRO 524		June	15.00	
Total				97.60	47.85
Truthfully labelled seed					
Cereals					
Sorghum	PVK 801	115-12	June-July	48.00	14.57
Pulses					
Moong	BM 2003-2	65-70	June	60.00	3.63
Pigeon pea	BDN 711	150-160	June-July	190.00	98.79
Fiber crops					
Cotton	NH 615	15-16	June	28.50	10.67
	NH 635	15-16	June	3.60	1.70
Total				330.10	129.36

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	Pbn Moti	120-125	October	181.80	98.00
	C43	110-115		4.8	1.00
Wheat	NIAW 1415	115-120	November	40.00	50.00
	NIAW 1994	115-120	November	28.00	35.50
Pulses					
Chickpea	BDNG 797	105-110	October	264.7	267.80
	BDNG 798	105-110	October	7.5	12.00
Oilseeds					
Safflower	PBNS 12	135	October	28	27.00
Ground nut	LGN 1	130-135	Kh & Rabi	4.80	5.00
	TLG 45	130-135	Rabi	1.60	3.00
Total				251.40	499.30

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	Pbn Moti	120-125	October	24.00	
Wheat	NIAW 1415	115-120	November	60.00	78.00
	NIAW 1994	115-120	November	84.00	70.00
Pulses					
Chickpea	BDNG 797	105-110	October	103.50	72.37
Total				271.50	220.37
Certified seed					
Pulses					
Chickpea	BDNG 797	105-110	October	30.00	
Oilseeds					
Safflower	PBNS 12	135	October	154.00	60.20
Total				184.00	60.20
Truthfully labelled seed					
Cereals					
Sorghum	Pbn Moti	120-125	October	50.40	6.60
Pulses					

Chickpea	BDNG 797	105-110	October	169.12	70.00
Oilseeds					
Safflower	PBNS 12	135	October	77.00	25.00
Sunflower	LSFH 171	90-95	Kharif & rabi	9.60	1.35
Total				306.12	102.95

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	231.78	322.40	114.74	193.58	346.52	515.98
Foundation seed	1316.00	1151.00	792.00	1168.15	2108.00	2319.15
Certified seed	841.70	1299.90	368.00	749.00	1209.70	2048.90
Truthfully labelled seed	627.40	364.17	403.60	942.60	1031.00	1306.77
Total	3016.88	3137.47	1678.34	3053.33	4695.22	6190.80
Planting materials	(in lakh)					
Planting material	8.00	11.48	7.00	44.30	15.00	55.78
Total	8.00	11.48	7.00	44.30	15.00	55.78
Farmers' field	(in quintals)					
Certified seed	-	-	5300.00	19917.00	5300.00	19917.00
Truthfully labelled seed	100.00	184.00	-	-	100.00	184.00
Total	100.00	184.00	5300.00	19917.00	5400.00	20101.00

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Pearlmillet	DHLB- 8A	80-85	15 June-15 July	0.04	0.07
	DHLB- 8B	80-85	15 June-15 July	0.02	0.04
	DHLBI- 967	80-85	15 June-15 July	0.02	0.02

	Dhanshakti	74-76	15 June-15 July	0.07	0.26
Paddy	Indrayani	130-135	15 May - 15 July	17.00	22.00
	P.Radha	115-120	15 May - 15 July	3.00	2.60
	Bhogawati	135-140	15 May - 15 July	5.00	5.00
	Samrudhi	120-125	15 May - 15 July	5.00	5.00
Maize	GPM-456(F)	100-105	15 June - 15 July	2.00	1.00
	GPM-342 (M)	95-100	15 June - 15 July	1.00	0.50
Fingermillet	P. Nachani	115-120	01 June - 30 June	0.10	0.40
Littlemillet	KOPLM-83	120-130	01 June - 30 June	0.60	0.20
Pulses					
Pigeonpea	ICPL-87	120-130	15 June - 7 July	0.50	7.26
	Vipula	145-160	15 June - 7 July	0.00	0.00
Greengram	Vaibhav	70-75	15 June -30 June	5.00	0.57
	Kop - 1	60-65	15 June -15 July	0.20	0.01
Blackgram	TAU -1	65-70	15 June -15 July	3.00	0.00
Horsegram	P. Sakas	90-100	15 June -30 June	0.20	0.45
Oilseeds					
Groundnut	JL-501	100-110	15 June - 15 July	5.00	3.25
	P.Unnati	100-110	15 June - 15 July	2.00	0.00
	P.Bharti	100-110	15 June - 15 July	4.00	3.00
	P.Warana	115-120	15 June - 15 July	4.00	7.00
	P. Morana	115.-120	15 June - 15 July	5.00	7.80
Soybean	JS - 335	90-100	24 June - 7 July	50.00	80.00
	P. Kalyani	95-105	24 June - 7 July	3.00	
	JS- 9305	90-95	24 June - 7 July	8.00	20.10
	Phule Agrani	100-105	24 June - 7 July	100.00	135.00
	P. Sangam	105-110	24 June - 7 July	5.00	16.80
Sunflower	P. Bhaskar	80-85	1 July -15 July	0.40	1.50
Sesame	PT - 1	90-95	15 June - 7 July	0.02	0.04
	JLT - 408	80-85	15 June - 7 July	0.10	0.20
Niger	P. Karala	105-110	15 June - 15 July	0.05	0.08
	P. Vaitarna	100-105	15 June - 15 July	0.10	0.07
Fiber crops					
Cotton	JLA - 794	170-180	1 June - 30 June	1.00	0.86
	JLA-505	170-175	15 June-15 July	0.80	0.50
	RHC-004	160-170	15 June-15 July	0.02	0.03
	RHC-014	160-170	15 June-15 July	0.02	0.01
	P. Dahanwantari	170-175	15 June-15 July	0.04	0.15
	Phule - 688	150-160	15 June-15 July	0.03	0.14
	Phule Anmol	160-165	15 June-15 July	0.02	0.06



	P. Yamuna	154-168	15 June-15 July	0.02	0.10
	P. Rukhmai	174-184	15 June-15 July	0.02	0.04
	RHCr-515	150-165	15 June-15 July	0.02	0.02
	Giza-7	174-184	15 June-15 July	0.02	0.02
	RHC-208	174-184	15 June-15 July	0.00	0.02
Fodder crops					
Maize	African Tall	135-140	1 June- 31 July	0.00	0.00
Cowpea	Shewta	72-75	1 June- 31 July	0.00	0.03
	P. Vithai				0.00
Pearl millet	Giant bajara	100-120	1 June- 31 July	0.25	0.10
Stylo	P. Kranti	140-150	1 June- 31 July	0.10	0.10
Total				231.78	322.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Indrayani	130-135	15 May - 15 July	100.00	56.48
	P.Radha	115-120	15 May - 15 July	0.00	0.00
	Bhogawati	135-140	15 May - 15 July	20.00	30.00
	Samrudhi	120-125	15 May - 15 July	25.00	30.60
Maize	GPM-456(F)	100-105	15 June - 15 July	4.00	0.00
	GPM-342 (M)	95-100	15 June - 15 July	2.00	0.00
Fingermillet	P. Nachani	115-120	01 June - 30 June	2.00	3.00
Pulses					
Pigeonpea	ICPL-87	120-130	15 June - 7 July	2.00	4.08
	Vipula	145-160	15 June - 7 July	25.00	28.56
Greengram	Vaibhav	70-75	15 June -30 June		2.55
Blackgram	TAU -1	65-70	15 June -15 July	10.00	8.35
Oilseeds					
Soybean	JS - 335	90-100	24 June - 7 July	600.00	518.40
	P. Kalyani	95-105	24 June - 7 July	25.00	69.60
	JS- 9305	90-95	24 June - 7 July	300.00	190.80
	Phule Agrani	100-105	24 June - 7 July	200.00	205.80
Sesame	JLT - 408	80-85	15 June - 7 July	1.00	0.14
Fodder crops					
Maize	African Tall	135-140	1 June- 31 July		2.64
Total				1316.00	1151.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Indrayani	130-135	15 May - 15 July	200.00	230.00
	P.Radha	115-120	15 May - 15 July	0.00	0.00
	Bhogawati	135-140	15 May - 15 July	25.00	41.00
	Samrudhi	120-125	15 May - 15 July	19.00	35.00
Pulses					
Pigeonpea	Vipula	145-160	15 June - 7 July	20.00	60.00
Greengram	Vaibhav	70-75	15 June -30 June	7.00	3.00
Blackgram	TAU -1	65-70	15 June -15 July	10.00	20.00
Oilseeds					
Soybean	JS - 335	90-100	24 June - 7 July	150.00	450.00
	Phule Agrani	100-105	24 June - 7 July	280.00	320.00
Sesame	JLT - 408	80-85	15 June - 7 July	0.70	0.90
Fodder crops					
Maize	African Tall	135-140	1 June- 31 July	130.00	140.00
Total				841.70	1299.90

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Pearlmillet	Adishakti	75-76	15 June-15 July	20.00	21.27
	Dhanshakti	74-76	15 June-15 July	4.50	7.50
Paddy	P. Radha	115-120	15 May - 15 July	15.00	20.40
	Bhogawati	135-140	15 May - 15 July	2.00	7.20
Fingermillet	P. Nachani	115-120	01 June - 30 June	8.00	3.00
Littlemillet	KOPLM-83	120-130	01 June - 30 June	2.00	0.20
Pulses					
Pigeonpea	ICPL-87	120-130	15 June - 7 July	10.00	16.44
Greengram	Vaibhav	70-75	15 June -30 June	3.00	3.68
Horsegram	P. Sakas	90-100	15 June -30 June		1.00
Rajmash	Varun	65-75	15 June -30 June	7.00	3.00
Oilseeds					
Groundnut	P. Unnati	100-110	15 June - 15 July	2.00	3.30
	P. Bharti	100-110	15 June - 15 July	3.50	6.00

	P. Warana	115-120	15 June - 15 July	9.00	10.50
	P. Morana	115.-120	15 June - 15 July		
Soybean	JS - 335	90-100	24 June - 7 July	375.00	117.30
	P. Kalyani	95-105	24 June - 7 July	0.00	0.00
	JS- 9305	90-95	24 June - 7 July		
	Phule Agrani	100-105	24 June - 7 July	110.00	59.10
	P. Sangam	105-110	24 June - 7 July	11.00	26.70
Sunflower	P. Bhaskar	80-85	1 July -15 July	1.50	2.16
Fiber crops					
Cotton	JLA - 794	170-180	1 June - 30 June	14.00	26.60
	JLA-505	170-175	15 June-15 July	5.50	5.00
	P. Dahanwantari	170-175	15 June-15 July	0.70	1.50
Fodder crops					
Cowpea	Shewta	72-75	1 June- 31 July	0.20	0.00
	P. Vithai			0.50	1.00
Pearl millet	Giant bajara	100-120	1 June- 31 July	2.00	0.62
Stylo	P. Kranti	140-150	1 June- 31 July	1.00	0.70
Green manure crop					
Dhaincha	Bhumiputra	90-110	1 June- 30 June	20.00	20.00
Total				627.40	364.17

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	P. Panchami	118-120	15 Sept-15 Oct	0.10	0.40
	P. Ruchira	118-120	1 Oct-30 Nov	0.50	0.75
	P. Revati	118-122	15 Sept-15 Oct	0.50	1.50
	P. Vasudha	116-120	15 Sept-15 Oct	1.00	1.00
	P. Godhan	115-120	15 June-7July	1.60	3.00
	P. Suchitra	120-125	15 Sept-15 Oct	0.50	1.00
	P. Rohini	115-120	15 Sept-15 Oct	0.30	0.50
	P. Madhur	115-118	15 Sept-15 Oct	0.50	0.50
	185 A	70-75	15 Sept-15 Oct	0.02	0.01
	185 B	70-75	15 Sept-15 Oct	0.01	0.01
	RSSV-260 (R)	70-72	15 Sept-15 Oct	0.01	0.01
Wheat	HD-2189	115	1 to 15 Nov	6.00	12.00
	P. Samadhan	100-105	1 Nov-15 Dec	80.00	140.00

Pulses					
Chickpea	Vishal	110-115	16 Sept-7 Oct	5.00	
	Digvijay	105-110	20 Oct -10 Nov	5.00	
	Kripa	105-110	20 Oct -10 Nov	2.00	
	Vikram			5.00	10.00
Rajmash	Varun	65-70	15 Oct-20 Dec		5.60
Oilseeds					
Safflower	SSF-708	118-125	15 Sep-15 Oct	3.00	6.00
	Chandrabhaga	125-140	15 Sep-15 Oct	0.10	0.30
Forage crops					
Berseem	Vardan	120-130	1 Oct-30 Nov	0.10	0.20
Oat	Harita	120-130	1 Oct-30 Nov	0.50	0.80
	Kent	120-130	1 Oct-30 Nov	3.00	10.00
Total				114.74	193.58

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	P. Anuradha	105-110	15 Sept-15 Oct	15.00	6.75
	P. Revati	118-122	15 Sept-15 Oct	25.00	30.00
	P. Vasudha	116-120	15 Sept-15 Oct	25.00	13.50
	P. Suchitra	120-125	15 Sept-15 Oct	10.00	29.40
Wheat	HD-2189	115	1 to 15 Nov	25.00	11.50
	Trimbak	115-120	1 to 15 Nov	100.00	80.00
	Tapowan	115-120	1 to 15 Nov	50.00	56.00
	Netrawati	110-115	16 Oct-30 Oct	125.00	98.00
	P. Samadhan	100-105	1 Nov-15 Dec	15.00	430.00
Pulses					
Chickpea	Vijay	105-110	16 Sept-7 Oct	100.00	105.00
	Vishal	110-115	16 Sept-7 Oct	20.00	25.00
	Virat	110-115	20 Oct -10 Nov	50.00	50.00
	Digvijay	105-110	20 Oct -10 Nov	200.00	200.00
	Kripa	105-110	20 Oct -10 Nov	20.00	20.00
Oilseeds					
Safflower	P. Kusuma	125-140	15 Sep-15 Oct	4.00	2.00
	SSF-708	118-125	15 Sep-15 Oct	4.00	5.00
	Chandrabhaga	125-140	15 Sep-15 Oct	4.00	6.00
Total				792.00	1168.15

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	P. Anuradha	105-110	15 Sept-15 Oct	25.00	35.00
	P. Revati	118-122	15 Sept-15 Oct	25.00	22.00
	P. Suchitra	120-125	15 Sept-15 Oct	60.00	80.00
Wheat	Trimbak	115-120	1 to 15 Nov	8.00	15.00
	Netrawati	110-115	16 Oct-30 Oct	60.00	200.00
Pulses					
Chickpea	Vijay	105-110	16 Sept-7 Oct	10.00	5.00
	Digvijay	105-110	20 Oct -10 Nov	150.00	380.00
Oilseeds					
Safflower	SSF-708	118-125	15 Sep-15 Oct	30.00	12.00
Total				368.00	749.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	P. Amruta	115-120	15 June-7July	5.00	16.00
	P. Panchami	118-120	15 Sept-15 Oct	1.00	1.00
	P. Ruchira	118-120	1 Oct-30 Nov	6.00	4.00
	P. Revati	118-122	15 Sept-15 Oct		27.00
	P. Vasudha	116-120	15 Sept-15 Oct	30.00	120.00
	P. Godhan	115-120	15 June-7July	20.00	22.00
	P. Suchitra	120-125	15 Sept-15 Oct		1.50
	P. Madhur	115-118	15 Sept-15 Oct	2.00	1.50
	P. Vashundhara	130-135	15 Jun-07 July	0.30	1.50
Wheat	NIAW-34	100-105	1 Nov-30 Dec	20.00	25.00
	Netrawati	110-115	16 Oct-30 Oct	15.00	30.00
	P. Samadhan	100-105	1 Nov-15 Dec	200.00	530.00
Pulses					
Chickpea	Vijay	105-110	16 Sept-7 Oct	5.00	8.00
	Vishal	110-115	16 Sept-7 Oct	45.00	110.00
	Digvijay	105-110	20 Oct -10 Nov	10.00	2.50
	Kripa	105-110	20 Oct -10 Nov	5.00	10.00
	Vikram			10.00	4.00

Rajmash	Varun	65-70	15 Oct-20 Dec	20.00	10.00
Oilseeds					
Safflower	Chandrabhaga	125-140	15 Sep-15 Oct	3.00	5.00
Forage crops					
Lucrene	RL-88	18 Months & 30 Months	1 Oct-30 Nov	0.10	0.10
Berseem	Vardan	120-130	1 Oct-30 Nov	0.20	0.50
Oat	Harita	120-130	1 Oct-30 Nov	5.00	13.00
	Kent	120-130	1 Oct-30 Nov	1.00	0.00
Total				403.60	942.60

Planting material

(in lakh)

Crops	Variety	Target	Production
Kharif 2016			
Napier grass	Jaywant	7.00	7.03
	P. Gunwant	0.40	1.42
Marvel grass	P. Goverdhan	0.20	2.40
	Marvel-06-40	0.40	0.63
Total		8.00	11.48
Rabi 2016-17			
Sugarcane (Two eye bud setts and single eye bud seedlings supplied to farmers)		7.00	44.30
Total		7.00	44.30

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Oilseeds					
Groundnut	P.Bharti	100-110	15 June - 15 July	100.00	184.00
Total				100.00	184.00

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	Revati	118-122	15 Sept-15 Oct	5000.00	18005.00

	P. suchitra	120-125	15 Sept-15 Oct		
	P. Vasudha	116-120	15 Sept-15 Oct		
	P. Anuradha	105-110	15 Sept-15 Oct		
Pulses	(Through TSP)				
Chickpea	Vijay	105-110	16 Sept- 07 Oct	100.00	1912.00
	Digvijay	105-110	20 Oct- 10 Nov	200.00	
Total				5300.00	19917.00

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	223.00	472.00	55.50	67.00	278.50	539.00
Foundation seed	23.00	97.00	24.00	26.00	47.00	123.00
Certified seed	125.00	316.00	0.00	0.00	125.00	316.00
Truthfully labelled seed	293.00	389.30	43.50	70.00	336.50	459.30
Total	664.00	1274.30	123.00	163.00	787.00	1437.30
Farmers' field	(in quintals)					
Foundation seed	0.00	633.60	0.00	130.00	0.00	763.60
Certified seed	0.00	1170.20	0.00	4250.00	0.00	5420.20
Total	0.00	1803.80	0.00	4380.00	0.00	6183.80

Quality seed production at university farms

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Kharif 2016						
Cereals						
Paddy	PKV HMT	June	80.00	120.00	5.00	80.00
Pulses						
Tur	ICPL-87119	June	14.00	14.00		
Moong	Kopergaon		18.00	13.00		

Udid	TAU-10-1		6.00	1.50		
	TAU-1		12.00	7.00		
	AKU-15		12.00	3.00		
Oilseeds						
Groundnut	TAG-24	June	9.00	1.50		
	AK-159		9.00	2.00		
Soybean	JS-335		54.00	300.00		
	MAUS-71		9.00	10.00	18.00	17.00
Total			223.00	472.00	23.00	97.00

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Certified seed		Truthfully labelled seed		
			Target	Production	Target	Production	
Kharif 2016							
Cereals							
Sorghum	SPV-669	June			6.00	1.50	
	CSV-20				6.00	30.30	
	AKSSV-81				18.00	10.00	
	Kartiki				18.00	11.00	
Paddy	PKV HMT			40.00	135.00		
	SYE-1					20.00	30.00
	SYE-75					20.00	20.00
	SYE-2001					20.00	40.00
	Makarand					10.00	11.00
	PKV Ganesh					10.00	26.00
	PKV Khamang					10.00	40.00
	PKV Kissan					10.00	33.00
	SYE-381					10.00	10.00
	SYE-432-37-23-11-27					10.00	8.00
Maize	PKV-Shatak				13.00	20.00	
Pulses							
Tur	PKV Tara	June	21.00	21.00	7.00	45.00	
	AKPHM-11303 A X R					3.50	2.00
	ICPL-87119			10.00	10.00		
Moong	Green Gold					30.00	8.00
Udid	TAU-10-1					6.00	3.50
	TAU-1					18.00	0.00
	AKU-15				6.00	5.00	

Oilseeds						
Groundnut	AK-303	June			9.00	3.00
Soybean	MAUS-71		36.00	108.00		
	JS 97-52				18.00	25.00
	JS-9305		18.00	42.00		
Sesamum	AKT-101				1.00	1.00
Fiber crops						
Cotton Imp.	AKH-081			4.50	2.00	
	AKA-5			4.50	2.00	
	AKA-7			4.50	2.00	
Total			125.00	316.00	293.00	389.30

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Rabi 2016-17						
Cereals						
Wheat	AKW-3722		6.00	6.00		
	HD-2189				12.00	14.00
	PKV Washim		6.00	7.00	12.00	12.00
Pulses						
Gram	JAKI-92-18	Oct.- Nov.	40.00	50.00		
Oilseeds						
Safflower	AKS-207	Oct.- Nov.	3.50	4.00		
Total			55.50	67.00	24.00	26.00

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
			Target	Production
Rabi 2016-17				
Cereals				
Wheat	PKV Washim		6.00	20.00
Pulses				
Gram	GULAK-1	Oct.- Nov.	7.00	8.00
	JAKI-92-18		16.00	22.00
Oilseeds				
Safflower	AKS-207	Oct.- Nov.	7.00	10.00
	PKV PINK		3.50	5.00

Linseed	NL—260		3.00	3.00
Mustard	ACN-9		1.00	2.00
Total			43.50	70.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Foundation seed production	Certified seed production
<i>Kharif 2016</i>				
Oil seeds				
Soybean	JS-335	June	15.90	1100.00
	Soybean 9752	June	574.80	
	JS-9305	June	8.70	70.20
	MAUS-71	June	7.20	
	MAUS-162	June	11.10	
	MAUS-1188	June	15.90	
Total			633.60	1170.20

(in quintals)

Crop	Variety	Foundation seed production	Certified seed production
<i>Rabi 2016-17</i>			
Pulses			
Gram	Jaki-9218	130.00	4250.00
Total		130.00	4250.00

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Summary
University farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	188.35	190.70	68.65	84.86	257.00	275.56
Foundation seed	315.00	411.98	-	-	315.00	411.98
Truthfully labelled seed	1183.00	1252.90	78.00	112.30	1261.00	1365.20
Total	1686.35	1855.58	146.65	197.16	1833.00	2052.74

Planting materials	(in lakh)					
Planting material	4.50	4.50	-	-	4.50	4.50
Total	4.50	4.50	-	-	4.50	4.50
Farmers' field	(in quintals)					
Certified seed	2105.00	1765.50	-	-	2105.00	1765.50
Truthfully labelled seed	-	-	257.00	290.00	257.00	290.00
Total	2105.00	1765.50	257.00	290.00	2362.00	2055.50

Quality seed production at university farms
(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	RTN-1	110-115	June	25.00	18.00
	RTN- 2	145-155	June	0.40	0.60
	RTN- 3	140-142	June	1.00	1.50
	RTN-4	125-130	June	5.00	6.00
	RTN-5	115-120	June	10.00	4.50
	RTN- 73	Kharif-95-98, Rabi-120	June	1.00	1.50
	RTN-24	105-115	June	20.00	17.00
	RTN-711	Kharif-115, Rabi-135-140	June	12.00	12.00
	KJT-2	135-140	June	10.00	11.00
	KJT-3	110-115	June	20.00	17.00
	KJT-4	110-115	June	6.00	6.60
	KJT-5	125-130	June	6.50	6.30
	KJT-6	130-135	June	5.00	5.00
	KJT-7	115-120	June	12.00	12.00
	KJT-8	140-145	June	8.00	8.00
	KJT-9	125-130	June	10.00	10.00
	KJT-184	100-105	June	6.00	6.00
	KJTR-1	125-130	June		0.15
	KJTR-2	125-130	June		0.15
	KJTR-3	130-135	June		0.15
	KJTR-4	130-135	June		0.15
	PLG-1	120-125	June	4.00	4.25



	PLG-2	125-130	June	3.00	3.75
	PNL-1	125-130	June	3.00	6.00
	PNL-2	110-115	June	2.00	6.00
	PNL-3	125-130	June	2.00	6.00
Paddy (Hy)	Sahyadri IR 58025A	125-130	June	2.85	6.00
	Sahyadri IR 58025 B		June		
	Sahyadri-2 IR 58025A	115-120	June		
	Sahyadri-2 KJTR-2		June		
	Sahyadri-3 R 58025A	125-130	June		
	Sahyadri-3 KJTR-3		June		
	Sahyadri-4 A Line	115-120	June		
	Sahyadri -4 B Line		June		
	Sahyadri-5 A Line	140-145	June		
	Sahyadri-5 B Line		June	0.30	0.50
	Sahyadri-5 R Line		June	0.30	0.50
Nagli	Dapoli-1	125-130	June	3.00	3.00
	Dapoli Safed-1	125-130	June	2.00	2.00
Pulses					
Pigeonpea	Konkan Tur-1	135-150	June	0.50	0.50
Oilseeds					
Groundnut	TKG-Bold	120	June	5.00	4.80
	Konkan Gaurav	120-130	June	2.00	2.80
Total				188.35	190.70

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RTN-1	110-115	June	10.00	27.60
	RTN-4	125-130	June	6.00	
	RTN-5	115-120	June	16.00	
	RTN-24	105-115	June	50.00	40.80
	KJT-2	135-140	June	31.00	120.53
	KJT-3	110-115	June	30.00	47.85
	KJT-4	110-115	June	40.00	
	KJT-5	125-130	June	16.00	42.00
	KJT-6	130-135	June	60.00	18.50
	KJT-7	115-120	June	31.00	62.70
	KJT-8	140-145	June	10.00	36.00

	KJT-9	125-130	June	15.00	
	KJT-184	100-105	June		16.00
Total				315.00	411.98

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RTN-1	110-115	June	400.00	402.50
	RTN-24	105-115	June	90.00	95.00
	KJT-2	135-140	June	200.00	200.00
	KJT-3	110-115	June	20.00	
	KJT-4	110-115	June	7.00	9.30
	KJT-5	125-130	June	80.00	90.00
	KJT-6	130-135	June	20.00	30.00
	KJT-7	115-120	June	50.00	60.00
	KJT-8	140-145	June	30.00	33.60
	KJT-9	125-130	June	50.00	58.50
	KJT-184	100-105	June	40.00	48.00
	PLG-1	120-125	June	10.00	15.00
	PLG-2	125-130	June	5.00	5.10
	PNL-1	125-130	June	20.00	24.00
	PNL-2	110-115	June	40.00	45.00
	PNL-3	125-130	June	20.00	24.00
Nagli	Dapoli-1	125-130	June	50.00	58.00
	Dapoli Safed-1	125-130	June	5.00	7.00
Pulses					
Pigeonpea	Konkan Tur-1	135-150	June	2.00	2.00
Oilseeds					
Groundnut	TKG-Bold	120	June	40.00	42.30
	Konkan Gaurav	120-130	June	4.00	3.60
Total				1183.00	1252.90

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	RTN-5	115-120	November	8.00	9.00
	RTN-711	110-115	November	10.00	11.00
	RTN-1	110-115	November	30.00	32.00
	RTN-24	105-115	November	10.00	12.00
Paddy (Hy)	Sahyadri IR 58025A	125-130	November	0.75	0.75
	Sahyadri IR IR 58025 B		November	0.75	0.75
	Sahyadri -2 IR 58025A	115-120	November	0.25	0.20
	Sahyadri -2 KJTR-2		November	0.10	0.10
	Sahyadri -3 IR 58025A	125-130	November	0.20	0.10
	Sahyadri -3 KJTR-3		November	0.10	0.10
	Sahyadri -4 A Line	115-120	November	0.50	0.30
	Sahyadri -4 B Line		November	0.20	0.15
	Sahyadri -5 A Line	140-145	November	0.50	0.40
	Sahyadri -5 B Line		November	0.30	0.40
	Sahyadri -5 R Line		November	0.30	0.20
Pulses					
Cowpea	Konkan Sadabahar	Kharif- 50-55, Rabi- 65-70	November	1.50	4.00
	Konkan Safed	75-80	November	0.40	2.50
Lablab bean	Konkan Wal-2	100-105	November	1.00	2.91
Horsegram	Dapoli Kulathi-1	90-100	November	1.00	2.50
Oil seeds					
Groundnut	TKG-Bold	120	November	2.00	3.50
	Konkan Gaurav	120-130	November	0.40	1.50
Forage Crops					
Fodder Cowpea	Konkan Fodder Cowpea-1	23-25	November	0.20	0.30
Rice bean	Konkan Rice bean-1	20-22	November	0.20	0.20
Total				68.65	84.86

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Pulses					
Cowpea	Konkan Sadabahar	Kharif- 50-55, Rabi- 65-70	November	25.00	40.00
	Konkan Safed	75-80	November	6.00	10.00
Lablab bean	Konkan Wal-2	100-105	November	10.00	16.00
Horsegram	Dapoli Kulathi-1	90-100	November	15.00	20.00
Oil seeds					
Groundnut	TKG-Bold	120	November	15.00	21.00
	Konkan Gaurav	120-130	November	4.00	3.00
Forage Crops					
Fodder Cowpea	Konkan Fodder Cowpea-1	23-25	November	2.00	1.50
Rice bean	Konkan Rice bean-1	20-22	November	1.00	0.80
Total				78.00	112.30

Planting material

(in lakh)		
Crops	Target	Production
Kharif 2016		
Fodder sets	4.50	4.50
Total	4.50	4.50

Quality seed production at farmer's field

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RTN-1	110-115	June	100.00	260.00
	KJT-2	135-140	June	400.00	403.00
	KJT-3	110-115	June	350.00	174.00
	KJT-5	125-130	June	150.00	205.00
	KJT-6	130-135	June	180.00	103.50
	KJT-7	115-120	June	350.00	150.00
	KJT-8	140-145	June	225.00	120.00

	KJT-9	125-130	June	30.00	30.00
Nagli	Dapoli-1	125-135	June	20.00	20.00
Oilseeds					
Groundnut	TKG-Bold	120	June	300.00	300.00
Total				2105.00	1765.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	RTN-5	115-120	Nov.	60.00	35.00
Pulses					
Cowpea	Konkan Sadabahar	Kharif- 50-55, Rabi- 65-70	Nov.	8.00	40.00
	Konkan Safed	75-80	Nov.	4.00	20.00
Lablab bean	Konkan Wal-2	100-105	Nov.	20.00	50.00
Horsegram	Dapoli Kulathi-1	90-100	Nov.	5.00	40.00
Dolichos bean	Konkan Bhushan	100-115	Nov.	10.00	65.00
Oil seeds					
Groundnut	TKG-Bold	120	Nov.	150.00	40.00
Total				257.00	290.00

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Foundation seed	510.00	226.00	62.00	40.00	572.00	266.00
Certified seed	27820.00	7745.00	0.00	70.00	27820.00	7815.00
Truthfully labelled seed	1925.00	1879.00	12.00	0.00	1937.00	1879.00
Total	30255.00	9850.00	74.00	110.00	30329.00	9960.00

Farmers' field	(in quintals)					
Foundation seed	510.00	226.00	600.00	1482.00	1110.00	1708.00
Certified seed	27820.00	7745.00	450.00	11518.00	28270.00	19263.00
Truthfully labelled seed	1925.00	1879.00	0.00	85.00	1925.00	1964.00
Total	30255.00	9850.00	1050.00	13085.00	31305.00	22935.00

Quality seed production at university farms
(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed		Certified seed		
			Target	Production	Target	Production	
Kharif 2016							
Cereals							
Paddy	Thanu (KMP-101)	M			700.00		
	Jaya	M			3000.00		
	BR-2655	L	160.00		6160.00	6380.00	
	Rasi	M			150.00		
	IR-64				200.00		
	MTU-1001	M		100.00	3000.00	75.00	
	MTU-1010	M			500.00		
	KRH-4	M			500.00		
	Ragi	Indaf-7	L			400.00	
		Indaf-9	M		40.00	500.00	70.00
MR-1		L		20.00	1000.00		
MR-6		L		30.00	1550.00	360.00	
GPU-28		S			500.00		
GPU-48		S			500.00		
KMR-301		S		36.00	400.00	360.00	
KMR-204		S	100.00		250.00		
	ML-365	S			2960.00		
Maize	SA Tall	L	250.00		100.00		
Pulses							
Redgram	BRG-1	L			400.00		
	BRG-2	L			1300.00	500.00	
Cowpea	KBC-2	S			30.00		
	IT-38956-1	S			60.00		
	C-152	S			50.00		
	PKB-6	S			20.00		
	MFC-08-14	S			50.00		
	PKB-4	S			20.00		



	AV-5	S			20.00	
	KM-5	S			50.00	
Blackgram	Rashmi (LBG-625)	S			100.00	
Horsegram	PHG-9	M			250.00	
Fieldbean	HA-4	S			100.00	
Oilseeds						
Groundnut	TMV-2	S			3000.00	
Total			510.00	226.00	27820.00	7745.00

(in quintals)

Crop	Variety	Duration of variety (days)	Truthfully labelled seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	BR-2655	L		1400.00
	IR-64			22.00
Ragi	MR-1	L		25.00
	MR-6	L		50.00
	KMR-204	S	150.00	
	KMR-340		50.00	30.00
	ML-365	S		100.00
Maize	Hema	M	100.00	2.00
Littlemillet	OLM-203	L	100.00	
Foxtail millet	SIA 3088)	S	50.00	
	DHFT-100-0	S	40.00	
Pulses				
Redgram	BRG-2	L		100.00
	BRG-5	M	700.00	150.00
Greengram	KKM-3	S	25.00	
Fieldbean	HA-4	S	160.00	
Oilseeds				
Groundnut	KCG-6	S	100.00	
	GKVK-5	S	100.00	
Sesamum	GT-1	S	100.00	
Niger	KBN-1		50.00	
Green manure crops				
Sunhemp			100.00	
Diancha			100.00	
Total			1925.00	1879.00

(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed	
			Target	Production
Rabi 2016-17				
Cereals				
Paddy	KRH-4			
	CRMS-32A		10.00	
	MSN-36		10.00	
Ragi	Indaf-7	M		
	Indaf-9	M		40.00
Pulses				
Cowpea	C-152	S	20.00	
Field Bean	HA-4		12.00	
Bengal Gram	JG-11		10.00	
			62.00	40.00

(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed		Certified seed production	Truthfully labelled seed target
			Target	Production		
Rabi 2016-17						
Cereals						
Paddy	KRH-4				50.00	
	CRMS-32A		10.00			
	MSN-36		10.00			
Ragi	Indaf-7	M			10.00	
	Indaf-9	M		40.00	10.00	
Pulses						
Cowpea	C-152	S	20.00			
Field Bean	HA-4		12.00			12.00
Bengal Gram	JG-11		10.00			
			62.00	40.00	70.00	12.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed		Certified seed	
			Target	Production	Target	Production
Kharif 2016						
Cereals						
Paddy	Thanu (KMP-101)	M			700.00	



	Jaya	M			3000.00	
	BR-2655	L	160.00		6160.00	6380.00
	Rasi	M			150.00	
	IR-64				200.00	
	MTU-1001	M		100.00	3000.00	75.00
	MTU-1010	M			500.00	
	KRH-4	M			500.00	
Ragi	Indaf-7	L			400.00	
	Indaf-9	M		40.00	500.00	70.00
	MR-1	L		20.00	1000.00	
	MR-6	L		30.00	1550.00	360.00
	GPU-28	S			500.00	
	GPU-48	S			500.00	
	KMR-301	S		36.00	400.00	360.00
	KMR-204	S	100.00		250.00	
	ML-365	S			2960.00	
Maize	SA Tall	L	250.00		100.00	
Pulses						
Redgram	BRG-1	L			400.00	
	BRG-2	L			1300.00	500.00
Cowpea	KBC-2	S			30.00	
	IT-38956-1	S			60.00	
	C-152	S			50.00	
	PKB-6	S			20.00	
	MFC-08-14	S			50.00	
	PKB-4	S			20.00	
	AV-5	S			20.00	
	KM-5	S			50.00	
Blackgram	Rashmi (LBG-625)	S			100.00	
Horsegram	PHG-9	M			250.00	
Fieldbean	HA-4	S			100.00	
Oilseeds						
Groundnut	TMV-2	S			3000.00	
Total			510.00	226.00	27820.00	7745.00

(in quintals)

Crop	Variety	Duration of variety (days)	Truthfully labelled seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	BR-2655	L		1400.00
	IR-64			22.00
Ragi	MR-1	L		25.00
	MR-6	L		50.00
	KMR-204	S	150.00	
	KMR-340		50.00	30.00
	ML-365	S		100.00
Maize	Hema	M	100.00	2.00
Littlemillet	OLM-203	L	100.00	
Foxtail millet	SIA 3088)	S	50.00	
	DHFT-100-0	S	40.00	
Pulses				
Redgram	BRG-2	L		100.00
	BRG-5	M	700.00	150.00
Greengram	KKM-3	S	25.00	
Fieldbean	HA-4	S	160.00	
Oilseeds				
Groundnut	KCG-6	S	100.00	
	GKVK-5	S	100.00	
Sesamum	GT-1	S	100.00	
Niger	KBN-1		50.00	
Green manure crops				
Sunhemp			100.00	
Diancha			100.00	
Total			1925.00	1879.00

(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed	
			Target	Production
Rabi 2016-17				
Cereals				
Paddy	Jyothi			200.00
Ragi	GPU-48			200.00
	GPU-67			50.00
	ML-365	S		600.00

Pulses				
Cowpea	C-152			40.00
Field Bean	HA-4			52.00
Bengal Gram	JG 11	M	600.00	140.00
Green gram	KKM-3			100.00
Black gram	Rashmi			100.00
Total			600.00	1482.00

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed	
			Target	Production
Rabi 2016-17				
Cereals				
Paddy	Jaya	M		2500.00
	Jyothi			2000.00
	KRH-4			200.00
Ragi	Indaf-7	L		50.00
	Indaf-9	M		60.00
Pulses				
Bengal Gram	JG 11	M		250.00
Oilseeds				
Groundnut	ICGV-91114	S		2188.00
	KCG-6	S		105.00
	K-6	S		3280.00
	GKVK-5	S		105.00
Sunflower	KBSH-41	S	150.00	182.00
	KBSH-44	S	150.00	130.00
	KBSH-53	S	100.00	468.00
Total			450.00	11518.00
			Truthfully labelled seed	
Cereals				
Paddy	KRH-4			50.00
Maize	Hema			35.00
Total			0.00	85.00

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	7403.85	6147.19	2826.93	1932.01	10230.78	8079.20
Foundation seed	282.00	254.50	1105.00	1139.10	1387.00	1393.60
Certified seed	9600.00	8242.75	5550.00	2983.83	15150.00	11226.58
Truthfully labelled seed	4505.00	2545.50	1400.00	1186.66	5905.00	3732.16
Planting material	205.00	100.00	-	-	205.00	100.00
Total	21995.85	17289.94	10881.93	7241.60	32877.78	24531.54
Planting materials	(in lakh)					
Planting material	2.25	2.08	-	-	2.25	2.08
Total	2.25	2.08	-	-	2.25	2.08
Farmers' field	(in quintals)					
Foundation seed	1400.00	3115.00	1370.00	1140.98	2770.00	4255.98
Certified seed	9230.00	6534.00	8070.00	3994.26	17300.00	10528.26
Truthfully labelled seed	1233.00	1313.00	990.00	563.15	2223.00	1876.15
Total	10881.93	7241.60	10430.00	5698.39	22293.00	16660.39

Quality seed production at university farms

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	Abhilash	Kharif	1.25	1.25
	Jaya	Kharif	1.00	1.00
	Siri-1253	Kharif	0.20	0.00
Maize	KDMI-15	Kharif	0.20	0.50
	KDMI-16	Kharif	0.20	0.20
	African Tall	Kharif	5.00	5.00
	CI4 × CI5	Kharif	0.00	0.00

Pulses				
Black gram	TAU-1	Kharif	2.00	2.50
	DU-1	Kharif	20.00	22.00
	DBGV-5	Kharif	10.00	10.00
Green gram	DGGV-2	Kharif	30.00	15.00
	DGGV-1	Kharif	10.00	4.00
	IPM 2-14	Kharif	83.00	12.00
Cowpea	DCS-47-1	Kharif	5.00	5.00
	DC-15	Kharif	22.50	8.00
Redgram	TS 3R	Kharif	35.00	32.00
Oilseeds				
Groundnut	GPBD-4	Summer	720.00	871.00
	TAG-24	Summer	350.00	65.00
	TG-37A	Summer	449.00	212.00
	TDG-39 (TGLPS-3)	Summer	85.00	16.00
	G-2-52	Summer	150.00	153.00
	GPBD-5	Summer	53.76	35.00
	Dh-101	Summer	9.00	7.00
	ICGV-91114	Summer	220.00	0.00
	Dh-86	Summer	5.00	5.00
Soybean	JS-335	Kharif	2100.00	2130.00
	JS-9305	Kharif	1725.00	1425.00
	DSb-21	Kharif	1000.00	1020.00
	JS 95-60	Kharif	300.00	78.00
Sesame	DS-5	Kharif	1.10	1.10
Niger	DNS-4	Kharif	0.60	0.60
Castor	48-1	Kharif	5.00	5.00
	GC-3	Kharif	5.00	5.00
Fibre crops				
Cotton	SB(YF)-425	Kharif	0.02	0.02
	DS-28	Kharif	0.02	0.02
Total			7403.85	6147.19

(in quintals)

Crop	Variety	Foundation seed	
		Target	Production
Kharif 2016			
Cereals			
Paddy	Abhilash	10.00	23.00
	Jaya	10.00	

	Intan	10.00	
Maize	KDMI-15	0.50	0.50
	African Tall	45.00	70.00
	CI4 × CI5	1.00	
Pulses			
Black gram	DU-1	10.00	5.00
	DBGV-5	10.00	30.00
Green gram	DGGV-2	50.00	60.00
	IPM 2-14	10.00	5.00
Cowpea	DCS-47-1	5.00	1.00
	DC-15	20.00	0.00
Redgram	TS 3R	100.00	60.00
Oilseeds			
Sesame	DS-5	0.25	0.00
Niger	DNS-4	0.25	0.00
Total		282.00	254.50

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Certified seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	Abhilash	Kharif	500.00	160.00
	Jaya	Kharif	500.00	550.00
Pulses				
Green gram	DGGV-2	Kharif	450.00	250.00
	DGGV-1	Kharif	20.00	0.00
Redgram	TS 3R	Kharif	20.00	10.00
Oilseeds				
Groundnut	GPBD-4	Summer	1000.00	200.00
Soybean	JS-335	Kharif	2000.00	1004.00
	DSb-21	Kharif	5000.00	6000.00
Sunflower	DSFH-3	Kharif	10.00	3.75
Castor	48-1	Kharif	20.00	10.00
	GC-3	Kharif	80.00	55.00
Total			9600.00	8242.75

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
			Target	Production
Kharif 2016				
Pulses				
Black gram	DU-1	Kharif	400.00	400.00
	DBGV-5	Kharif	100.00	100.00
Green gram	DGGV-2	Kharif	1800.00	1230.00
	IPM 2-14	Kharif	50.00	50.00
Redgram	TS 3R	Kharif	1000.00	436.00
Oilseeds				
Groundnut	G-2-52	Summer	1000.00	200.00
Soybean	DSb-21	Kharif	100.00	100.00
Sunflower	DSFH-3	Kharif	10.00	10.00
Green manure crops				
Sunhemp	Local	Kharif	35.00	16.50
Diancha	Local	Kharif	10.00	3.00
Total			4505.00	2545.50

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
Rabi 2016-17				
Cereals				
Sorghum	M35-1	Rabi	4.20	1.75
	CSV 29R	Rabi	0.50	0.70
	BJV-44	Rabi	0.50	1.50
	SPV 2217	Rabi	6.00	5.93
	MUGTI	Rabi	0.10	0.24
Wheat	DWR-162	Rabi	14.75	17.00
	UAS 304	Rabi	6.00	10.00
	UAS 415	Rabi	4.30	4.50
	UAS 428	Rabi	12.00	8.50
	UAS 446	Rabi	3.00	3.58
	DDK 1025	Rabi	10.00	28.64
	DDK 1029	Rabi	25.00	35.50
	GW 322	Rabi	2.00	0.00
Pulses				
Chickpea	JG-11	Rabi	525.00	367.96

	JAKI-9218	Rabi	611.00	
Black gram	DBGV-5		17.50	1.65
	DU-1			8.00
Green gram	IPM 2-14		77.00	7.02
Cowpea	DC-15	Rabi	15.00	4.46
Horsegram	GPM- 6	Rabi	5.00	5.00
	KBMB-1	Rabi	2.50	2.50
Oilseeds				
Groundnut	TAG-24	Summer	300.00	310.00
	TG-37A	Summer	300.00	400.00
	TDG-39 (TGLPS-3)	Summer	80.00	25.00
	GPBD-5	Summer	30.00	25.00
	Dh-101	Summer	5.00	7.00
	G2-52	Summer	400.00	400.00
Soybean	JS-9305	Summer	370.00	250.00
Safflower	A-1	Rabi	0.20	0.20
	A-2	Rabi	0.14	0.14
	A-300	Rabi	0.24	0.24
Total			2826.93	1932.01

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Foundation seed	
			Target	Production
Rabi 2016-17				
Cereals				
Sorghum	M35-1	Rabi	200.00	359.85
Wheat	DWR-162	Rabi	100.00	155.00
	UAS 304	Rabi	100.00	0.00
	UAS 415	Rabi	25.00	6.00
	MACS-6222	Rabi	50.00	111.25
	DDK 1025	Rabi	20.00	77.00
	DDK 1029	Rabi	100.00	110.00
	GW 322	Rabi	50.00	70.00
Pulses				
Chickpea	JG-11	Rabi	250.00	250.00
Oilseeds				
Groundnut	GPBD-4	Summer	200.00	0.00
Safflower	A-1	Rabi	10.00	0.00
Total			1105.00	1139.10

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Certified seed	
			Target	Production
Rabi 2016-17				
Cereals				
Sorghum	M35-1	Rabi	470.00	284.69
	BJV-44	Rabi	100.00	0.00
	SPV 2217	Rabi	110.00	127.00
	MUGTI	Rabi	20.00	0.70
Wheat	DWR-162	Rabi	200.00	247.00
	UAS 304	Rabi	1000.00	178.00
	UAS 415	Rabi	200.00	75.00
	UAS 428	Rabi	100.00	50.00
	MACS-6222	Rabi	200.00	111.25
	DDK 1025	Rabi	100.00	75.00
	DDK 1029	Rabi	1000.00	558.74
	GW 322	Rabi	100.00	0.00
	DWR 2006		50.00	82.00
	Pulses			
Chickpea	JG-11	Rabi	1000.00	500.00
Black gram	DBGV-5			0.50
	DU-1			0.50
Green gram	IPM 2-14			5.00
Cowpea	DC-15	Rabi	200.00	34.50
Oilseeds				
Groundnut	G2-52	Summer	500.00	560.00
Safflower	A-1	Rabi	200.00	93.95
Total			5550.00	2983.83

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Rabi 2016-17			
Cereals			
Sorghum	M35-1	100.00	80.00
	SPV 2217	1000.00	800.00
Wheat	DDK 1025	100.00	50.00
	DWR 2006		35.51
Pulses			
Chickpea	JG-11	100.00	100.00



	GBM-2	100.00	100.00
Safflower	A-1		21.15
Total		1400.00	1186.66

Planting material

Crops	Planting material (in quintal)		Planting material (in lakh)	
	Target	Production	Target	Production
Kharif 2016				
Sugarcane	205.00	100.00	2.25	2.08
Total	205.00	100.00	2.25	2.08

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Foundation seed		Certified seed	
		Target	Production	Target	Production
Kharif 2016					
Cereals					
Paddy	Abhilash			120.00	100.00
	Intan			100.00	60.00
Pulses					
Black gram	DU-1			400.00	200.00
	DBGV-5	20.00	11.00	60.00	150.00
Green gram	DGGV-2	30.00	24.00	1350.00	600.00
Oilseeds					
Groundnut	GPBD-4	100.00	200.00	100.00	24.00
	G-2-52	200.00	100.00	100.00	100.00
Soybean	JS-335	500.00	1100.00	2000.00	800.00
	JS-9305	50.00	80.00		
	DSb-21	500.00	1600.00	5000.00	4500.00
Total		1400.00	3115.00	9230.00	6534.00

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Kharif 2016			
Cereals			
Maize	African Tall	200.00	310.00
Foxtail millet		18.00	18.00
Pulses			
Black gram	DU-1	50.00	50.00

	IPM 2-14	20.00	20.00
Cowpea	DC-15	50.00	30.00
Oilseeds			
Groundnut	GPBD-4	600.00	600.00
	G-2-52	50.00	50.00
Soybean	JS-335	100.00	100.00
	DSb-21	100.00	100.00
Sunflower	DSFH-3	20.00	10.00
Castor-3	GC-3	25.00	25.00
Total		1233.00	1313.00

(in quintals)

Crop	Variety	Foundation seed		Certified seed	
		Target	Production	Target	Production
Rabi 2016-17					
Cereals					
Sorghum	M35-1			530.00	110.00
	CSV 29R			100.00	0.00
	SPV 2217			890.00	475.00
Wheat	DWR-162			300.00	100.00
	UAS 304			550.00	200.00
	UAS 415			200.00	100.00
	MACS-6222	60.00	60.00	200.00	100.00
	DDK 1025			100.00	100.00
	DDK 1029			600.00	600.00
	GW 322			100.00	50.00
Pulses					
Chickpea	JG-11	500.00	413.98	2500.00	1249.26
	JAKI-9218	400.00	367.00	1000.00	420.00
Oilseeds					
Groundnut	GPBD-4	200.00	0.00	500.00	290.00
	GPBD-5	10.00	0.00		
	G2-52	200.00	300.00	500.00	200.00
Total		1370.00	1140.98	8070.00	3994.26

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Rabi 2016-17			
Cereals			
Sorghum	M35-1	10.00	13.15

	CSV 29R	80.00	50.00
	SPV 2217	900.00	500.00
Total		990.00	563.15

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Summary

University farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	717.73	1308.11	106.73	292.51	824.46	1600.62
Foundation seed	1200.00	1241.60	2054.50	2221.90	3254.50	3463.50
Truthfully labelled seed	-	-	1.80	2.30	1.80	2.30
Total	1917.73	2549.71	2163.03	2516.71	4080.76	5066.42
Planting materials	(in lakh)					
Planting material	-	-	1.50	2.00	1.50	2.00
Total	-	-	1.50	2.00	1.50	2.00
Farmers' field	(in quintals)					
Foundation seed	903.00	1323.60	478.00	630.70	1381.00	1954.30
Certified seed	-	-	220.00	264.00	220.00	264.00
Truthfully labelled seed	1943.00	2107.40	2423.00	2492.10	4366.00	4599.50
Total	2846.00	3431.00	3121.00	3386.80	5967.00	6817.80

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RNR-15048	125	Kharif / Rabi	94.70	189.25
	KNM-118	125	Rabi	100.50	216.61
	MTU-1001	135	Kharif	11.00	11.00
	JGL-18047	125	Rabi	90.30	289.25
	MTU-7029	150-150	Kharif	14.40	39.40

	JGL-11118	115-120, 130-135	Kharif, Rabi	1.00	2.10
	JGL-11470	135-140	Kharif, Rabi	30.00	40.20
	JGL-3844	120-125	Kharif, Rabi	5.00	32.50
	JGL-11727	135-140	Kharif, Rabi	25.00	39.30
	RNR-2465	130-135	Kharif	2.00	7.00
	Sumathi	135-140	Kharif	10.00	12.25
	WGL-13400	135	Kharif	2.00	5.00
	WGL-14	140	Kharif	8.30	12.00
	WGL-32100	135-140	Kharif & Rabi	1.00	1.80
	WGL-3962	135	Kharif	2.50	4.00
	WGL-44	140-145	Kharif	7.60	21.00
Maize	BML-6	90-95	Kharif & Rabi	4.00	6.00
	BML-7	90-95	Kharif & Rabi	6.00	9.00
	PFSR-3	90-95	Kharif & Rabi	2.00	2.00
Sorghum	PYPS-2	115	Kharif & Rabi	2.00	3.00
Pulses					
Greengram	MGG-295	65	Kharif & Rabi	82.15	99.38
	MGG-347	70	Kharif & Rabi	10.95	7.95
	MGG-351	70	Kharif / Summer	9.85	16.19
	WGG-42	70	Kharif / Summer	15.00	16.64
Redgram	ICPL-84031	130-140	Kharif	0.95	1.18
	ICPL-87119	170-180	Kharif	6.91	7.06
	PRG-158	155-160	Kharif	19.60	49.00
	PRG-176	150	Kharif	98.12	100.00
	TDRG-4	180	Kharif	1.32	8.00
	WRG-53	160-180	Kharif	0.05	0.05
	WRG-65	150-170	Kharif	3.53	10.00
Oilseeds					
Castor	Pragathi (PCS-262)	80-140	Kharif	50.00	50.00
Total				717.73	1308.11

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RNR-15048	125	Kharif / Rabi	80.00	39.60
	KNM-118	125	Rabi	70.00	78.00

	WGL-44	140-145	Kharif	400.00	355.00
	BPT-5204	145-150	Kharif	650.00	769.00
Total				1200.00	1241.60

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	MTU-1010	125	Rabi	28.20	120.00
Paddy	IR-64	125	Kharif / Rabi	45.00	74.00
	JGL-17004	100-105, 110-115	Kharif, Rabi	4.10	4.40
	Shobini	135	Kharif	5.00	9.75
	WGL-20471	120	Rabi	4.20	10.00
	WGL-283	125	Rabi	0.40	2.00
	WGL-347	135	Kharif, Rabi	4.40	14.00
Pulses					
Blackgram	MBG-207	80-85	All seasons	5.30	4.60
	PU-31	80	All seasons	4.50	47.62
Greengram	WGG-37	70	Kharif & Rabi	4.93	4.82
Oilseeds					
Sesamum	Swetha	85	Rabi/Summer	0.65	0.77
Safflower	Manjeera	135	Rabi		0.20
Forage crops					
Bajra	Moti bajra	Kharif / Summer	56 days (50% flowering)	0.05	0.10
Cowpea	Vijaya		54 days (50% flowering)		0.25
Total				106.73	292.51

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	MTU-1010	125	Rabi	850.00	964.00
	JGL-18047	125	Rabi	100.00	134.00
	RNR-15048	125	Kharif / Rabi	1000.00	999.00
	KNM-118	125	Rabi	100.00	120.00
Maize	KNM-4010131	100-105	Kharif / Rabi	2.00	2.00

	KNM-4010141	95	Kharif / Rabi	2.00	2.00
	Sweet corn	90-95	Kharif / Rabi	0.50	0.90
Total				2054.50	2221.90
				Truthfully labelled seed	
Forage crops					
Sorghum	CoFS-29			0.50	0.80
Lusern	RL-88			0.30	0.50
Lucern Hedge	Velimasal			1.00	1.00
Total				1.80	2.30

Planting material

(in lakh)

Crops	Variety	Target	Production
Rabi 2016-17			
Grass	APBN-1	1.50	2.00
Total		1.50	2.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RNR-15048	125	Kharif / Rabi	350.00	427.20
	WGL-44	140-145	Kharif	400.00	484.80
Sorghum	CSV-31	110	Kharif, Rabi	15.00	20.00
Pulses					
Greengram	MGG-295	65	Kharif & Rabi	20.00	21.80
	MGG-347	70	Kharif & Rabi	3.00	4.00
Redgram	PRG-176	150	Kharif	100.00	350.80
Oilseeds					
Castor	PCS-262	80-140	Kharif	15.00	15.00
Total				903.00	1323.60

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	RNR-15048	125	Kharif / Rabi	100.00	139.80
	BPT-5204	145-150	Kharif	200.00	265.50
	JGL-18047	125	Rabi	1000.00	995.60
	KNM-118	125	Rabi	200.00	320.00
	RNR-2458	135	Kharif	100.00	121.00
Pulses					
Redgram	PRG-176	150	Kharif	10.00	6.10
	ICPL-85063	170-180	Kharif	3.00	0.60
	ICPL-87119	170-180	Kharif	50.00	20.00
	PRG-158	155-160	Kharif	5.00	1.00
	TDRG-4	180	Kharif	25.00	6.00
	WRG-65	150-170	Kharif	50.00	25.30
	BSMR-736				0.40
Oilseeds					
Soybean	Basara	100-105	Kharif	200.00	206.10
Total				1943.00	2107.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	KNM-118	125	Rabi	100.00	120.00
	WGL-347	135	Kharif	200.00	257.40
	JGL-18047	125	Rabi	150.00	228.90
Pulses					
Greengram	MGG-347	70	Kharif / Rabi	4.00	4.00
Blackgram	PU-31	80	All seasons	3.00	3.40
Oilseeds					
Sesamum	Swetha	85	Rabi/Summer	20.00	16.00
	Hima	75-80	Kharif/ Rabi/ Summer	1.00	1.00

Total				478.00	630.70
				Certified seed	
Cereals					
Maize	DHM-117			200.00	244.00
Oilseeds					
Castor	PCH-111	90-180	Kharif	20.00	20.00
Total				220.00	264.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	KNM-118	125	Rabi	1200.00	1185.40
	RNR-15048	125	Kharif / Rabi	1200.00	1275.70
Oilseeds					
Safflower	Manjeera	135	Rabi	5.00	10.00
	TSF-1	115-120	Rabi	8.00	11.00
	PBNS-12			10.00	10.00
Total				2423.00	2492.10

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Summary

 University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	1407.52	955.42	1082.57	765.05	2490.09	1720.47
Foundation seed	335.00	410.07	1475.00	1237.00	1810.00	1647.07
Truthfully labelled seed	1540.20	1106.90	2197.40	1878.21	3737.60	2985.11
Planting material	997.50	1050.16	-	-	997.50	1050.16
Total	4280.22	3522.55	4754.97	3880.26	9035.19	7402.81
Planting materials	(in lakh)					
Planting material	24.20	25.15	-	-	24.20	25.15
Total	24.20	25.15	-	-	24.20	25.15

Farmers' field	(in quintals)					
Breeder seed	4.50	4.50	-	-	4.50	4.50
Truthfully labelled seed	145.20	92.90	0.50	0.50	145.70	93.40
Total	149.70	97.40	0.50	0.50	150.20	97.90
Planting materials	(in lakh)					
Planting material	10.2	11.155			10.2	11.155
Total	10.2	11.155			10.2	11.155

Quality seed production at university farms
(in quintals)

Crop	Variety	Breeder seed		Foundation seed	
		Target	Production	Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	ADT 36	35.45	31.70		
	ADT 38	65.95	14.15		
	ADT 42	7.50	4.30		
	ADT 43	166.10	127.65	300.00	301.50
	ADT 44	0.50			
	ADT (R) 50	16.80	15.60		
	ASD 18	3.50			
	ASD 19	51.75	13.25		
	CO 43	33.80	5.80		
	IR 20	43.00	35.80		
	IR 36	7.50	4.50		
	IR 50	25.00	23.30		
	TPS 5	1.50	3.53		
	TRY 1	17.10	10.50		
	TRY 3	6.10	10.10		58.80
	TKM 9	25.00	19.60		
	TKM 13	5.15	25.27		
	Anna (R) 4	6.90	12.20		
Millets					
Sorghum	K 11	0.46	0.45		
	CO (S) 30	0.06	0.15		
	K 12	0.12	0.16		
Pearlmillet	CO (Cu) 9	0.20	0.10		
Barnyard millet	CO(Kv) 2	1.91	1.91		
Samai	CO 4	0.72	0.81		
Kodo millet	CO 3	0.18	0.20		

Italian millet	CO (Te) 7	0.92	0.95		
Pulses					
Redgram	VBN (Rg) 3	1.20	1.20		
Blackgram	ADT 5	18.02	15.31	30.00	44.62
	VBN 3	7.30	7.64		
	VBN (Bg) 4	8.30	6.60		
	VBN (Bg) 5	18.70	14.95		
	VBN (Bg) 6	27.30	18.85		
	VBN (Bg) 7	2.10			
	MDU 1	2.40	3.04		
Greengram	ADT 3	10.00			
	VBN 2	5.70			
	VBN (Gg) 3	8.05	6.12		
	CO 6	1.50	0.30		
	CO (GG) 8	12.90	9.08		
Cowpea	CO (Cp) 7	3.85	6.60	5.00	5.15
Oilseeds					
Groundnut	VRI (Gn) 6	192.00	12.90		
	VRI (Gn) 7	172.40	42.50		
	CO (Gn) 6	195.60	76.40		
	CO (Gn) 7	4.00	13.80		
	TMV (Gn) 13	192.00	357.30		
Sunflower	CO (SFV) 5	0.30	0.25		
Castor	TMV 5	0.63	0.60		
	TMV 6	0.10			
Total		1407.52	955.42	335.00	410.07

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
<i>Kharif 2016</i>			
Cereals			
Paddy	ADT 36		10.00
	ADT 43	460.00	283.00
	ADT (R) 50	75.00	
	TPS 3	50.00	
	TPS 5	50.00	24.70
	TRY 1	40.00	12.98
	TRY 3	100.00	44.40
	TKM 13	280.00	356.84

	Anna (R) 4	25.00	76.45
	Paiyur 1	100.00	37.70
Millets			
Barnyard millet	CO(Kv) 2	8.00	3.19
Samai	CO 4	4.20	1.49
Kodo millet	CO 3	6.50	7.84
Italian millet	CO (Te) 7	19.00	1.85
Panivaragu	CO (Pv) 5	5.50	4.13
Pulses			
Redgram	BSR 1	5.00	3.54
	VBN (Rg) 2	9.00	7.30
	VBN (Rg) 3	7.00	6.49
Blackgram	ADT 5		2.76
	VBN (Bg) 6	114.00	117.80
	MDU 1	12.00	4.48
Greengram	VBN 2	5.00	4.59
	VBN (Gg) 3	5.00	6.70
	CO (GG) 8	35.50	24.44
Cowpea	VBN 1	2.00	1.00
Cowpea (Veg.)	PKM 1	5.50	1.60
Oilseeds			
Groundnut	VRI 8	12.00	16.07
	TMV (Gn) 13	75.00	9.56
Castor	YRCH 1	30.00	36.00
Total		1540.20	1106.90

(in quintals)

Crop	Variety	Breeder seed		Foundation seed	
		Target	Production	Target	Production
Rabi 2016-17					
Cereals					
Paddy	ADT 37	116.70	110.35		
	ADT 39	100.30	63.76		
	ADT (R) 45	174.50	133.65	525.00	350.00
	ADT (R) 46	58.40			
	ADT (R) 48	0.50			
	ADT (R) 49	27.10	25.76		
	ASD 16	91.70	83.60		
	14. CO (R) 48	2.30	2.50		
	CO (R) 49	13.40	11.45		



	CO (R) 50	20.30	18.80		
	CO (R) 51	61.60	78.00	650.00	476.00
	CR 1009	123.69	94.35		149.10
	CR 1009 Sub 1	50.30	36.77		
	I.W.Ponni	40.15	29.60	300.00	261.90
	MDU 5	1.00			
	MDU 6	2.00	2.00		
Maize					
COH (M) 6 Parental Line	A line	4.80	4.10		
	R line	2.40	3.55		
COH (M) 7 Parental Line	A line	0.20	0.20		
	R line	0.10	0.10		
COH (M) 8 Parental Line	A line	0.25	0.25		
	R line	0.13	0.33		
COH (M) 9 Parental Line	A line	0.05			
	R line	0.03	0.00		
<i>Fingermillet</i>	CO (Ra) 14	0.18	0.18		
	CO (Ra) 15	0.66	0.66		
	Paiyur 2	0.10	0.10		
Pulses					
<i>Redgram</i>	CO(Rg) 7	2.50	2.50		
	LRG 41	0.00	0.00		
<i>Blackgram</i>	ADT 3	12.25	7.00		
	VBN (Bg) 8	0.00	0.00		
	CO 6	4.74	3.80		
<i>Greengram</i>	CO(Gg)912(CO7)	12.20	7.50		
<i>Horsegram</i>	Paiyur 1	0.00	0.00		
	Paiyur 2	6.00	4.00		
Oilseeds					
<i>Groundnut</i>	ICGV 00348	40.00			
	VRI 2	100.00	33.30		
<i>Gingelly</i>	VRI Sv.1	0.15			
	VRI Sv.2	1.18	1.13		
	SVPR 1	0.27	0.12		
	TMV 3	1.65			
	TMV 4	1.10			
	TMV 5	0.50			
	TMV 6	0.20			

	TMV 7	3.10	3.10		
Cotton	MCU 5	0.15			
	MCU 7	0.49			
	SVPR 2	0.85	0.52		
	SVPR 3	0.05	0.02		
	SVPR 4	0.35			
Forage crops					
Sorghum	CO (FS) 29	2.00	2.00		
Total		1082.57	765.05	1475.00	1237.00

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Rabi 2016-17			
Cereals			
Paddy	ADT 39	220.00	178.21
	ADT (R) 45	70.00	249.20
	ADT (R) 46	280.00	49.52
	ADT (R) 49	80.00	25.50
	ASD 16	350.00	216.95
	CO (R) 50	130.00	195.20
	CO (R) 51	310.00	359.06
	CR 1009	335.00	332.00
	CR 1009 Sub 1	80.00	56.00
	I.W.Ponni	140.00	47.49
	MDU 5	40.00	
	MDU 6	40.00	3.90
	PMK (R) 3	7.90	
Maize			
COH (M) 6 Parental Line	A line	25.00	24.62
<i>Fingermillet</i>	CO (Ra) 14	5.90	2.80
	CO (Ra) 15	2.40	3.37
	Paiyur 2	5.00	10.42
Pulses			
<i>Redgram</i>	LRG 41		2.24
<i>Blackgram</i>	VBN (Bg) 8	37.00	72.52
<i>Horsegram</i>	Paiyur 1	2.50	4.28
	Paiyur 2		7.01
	Paiyur 3		2.54
<i>Mothbean</i>	TMV 1	8.00	9.12

Oilseeds			
<i>Gingelly</i>	VRI Sv.1	5.00	4.41
	VRI Sv.2	5.00	3.89
	SVPR 1	5.00	3.83
	TMV 7	6.00	5.45
Cotton	SVPR 2	1.00	1.80
	SVPR 4	1.00	1.18
Forage crops			
<i>Desmanthus</i>	Velimasal	5.20	5.20
Lucerne	CO 2	0.50	0.50
Total		2197.40	1878.21

Planting material

Crops	Planting material (in quintal)		Planting material (in lakh)	
	Target	Production	Target	Production
<i>Kharif 2016</i>				
Sugarcane	997.50	1050.16	4.7628	5.1902
Cumbu napier			17.6253	18.13796
Guinea grass			1.03898	1.04787
Fodder grass			0.77112	0.77678
Total	997.50	1050.16	24.1982	25.15281

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Breeder seed		Truthfully labelled seed	
		Target	Production	Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	TKM 13			80.00	58.00
Forage crops					
Sorghum (Multicut)	CO (FS) 29	3.00	3.00		
Cowpea	CO 9	1.50	1.50		
<i>Desmanthus</i>	Velimasal			5.20	5.20
Green manure crops					
Sunnhemp	CO1			60.00	29.70
Total		4.50	4.50	145.20	92.90

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Rabi 2016-17			
Forage crops			
Lucerne	CO 2	0.50	0.50
Total		0.50	0.50

Planting material

(in lakh)

Crops	Variety	Target	Production
Kharif 2016			
Bajra Napier hybrid	CO (BN) 5	10.00	11.00
Bajra Napier hybrid	CO (CN) 4	0.05	0.035
Guinea grass	CO (GG) 3	0.15	0.12
Total		10.2	11.155

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Summary
University farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	13.45	21.80	2.76	78.89	16.21	100.69
Truthfully labelled seed	221.50	271.28	59.00	95.44	280.50	366.72
Total	234.95	293.08	61.76	174.33	296.71	467.41
Farmers' field						
Truthfully labelled seed	250.00	311.33	255.00	349.52	505.00	660.85
Total	250.00	311.33	255.00	349.52	505.00	660.85

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Jyothi	120	May/ Aug/ Dec-Jan	10.10	19.25
	Aiswarya	115	May/ Aug-Sep	0.40	
	Matta Triveni	105	May/Aug/ Dec	1.40	2.55
	Kanchana	110	May/Aug/ Dec	0.40	
	Aathira	125	Aug-Sep	0.65	
	Varsha	105	May/Aug-Sep	0.50	
Total				13.45	21.80

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Jyothi	120	May/Aug/ Dec-Jan	100.00	127.46
	Aiswarya	115	May/ Aug-Sep	10.00	9.60
	Matta Triveni	105	May/Aug/ Dec	10.00	13.25
	Jaya	125	Aug-Sep	10.00	10.40
	Kanchana	110	May/Aug/ Dec	10.00	10.97
	Aathira	125	Aug-Sep	10.00	8.10
	Annapoorna	90	May/Dec-Jan	15.00	24.11
	Vaishak	118	May-June	1.00	1.61
	Harsha	110	May-June	2.00	2.68
	Uma	130	May/ Aug-Sep	20.00	21.20
	Shreyas	120	May/Aug-Sep	10.00	12.40
	Swarnaprabha	115	May-June	1.00	0.80
	Mahamaya	120	May/Aug-Sep	2.50	4.00
	Red Mahsuri	140	Aug-Sep	20.00	24.70
Total				221.50	271.28

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Jyothi	115	Sept-Oct	1.20	15.05
	Uma	125	Sept-Oct		5.70
	Harsha	10	Sept-Oct	0.02	1.48
	Matta Triveni	100	Sept-Oct	0.40	2.60
	Varsha	115	Sept-Oct		0.21
	Aiswarya	115	Sept-Oct	0.40	3.03
	K.K.Varna	100	Sept-Oct		1.55
	Annapoorna	105	Sept-Oct		0.59
	Kanchana	110	Sept-Oct	0.40	1.31
	Vaishak	120	Sept-Oct	0.02	4.10
	Swarnaprabha	110	Sept-Oct		1.85
	Samyuktha	115	Sept-Oct		0.73
	Aathira	120	Sept-Oct	0.30	5.94
	Anaswara	125	Sept-Oct		1.30
	Karuna	145	Sept-Oct		1.54
	Neeraja	140	Sept-Oct		3.20
	Jaya	130	Sept-Oct		3.90
	Ponmani	160	Sept-Oct		9.10
	RedMahsuri	150	Sept-Oct		2.94
	Prathyasa	110	Sept-Oct		2.08
	Sampada	125	Sept-Oct		1.50
	Jeerakasala	150	Sept-Oct		0.80
	Makaram	150	Sept-Oct	0.02	2.87
	Swetha	125	Sept-Oct		0.98
	Thavalakkannan	125	May-June		0.25
	Thekkan cheera	100	May-June		0.48
	Thonnooran	90	May-June		0.32
	Chenkayama	110	May-june		0.11
	Shreyas	120	May-June		3.38
Total				2.76	78.89

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Jyothi	115	Sept-Oct	25.00	50.90
	Uma	125	Sept-Oct		0.89
	Matta Triveni	100	Sept-Oct	5.00	5.82
	Aiswarya	115	Sept-Oct	1.00	0.86
	Karuna	145	Sept-Oct	25.00	28.60
	Shreyas	120	May-June	2.00	3.01
	Njavara	80	Jan-Feb	1.00	2.71
Pulses					
Cowpea	Kanakamani	75	Dec-Jan		0.70
	PGCP 6	60	Dec-Jan		0.70
	DC 15	75	Dec-Jan		0.50
Black Gram	LBG 752	70-75	Feb-March		0.50
Oilseeds					
Sesamum	Tilak	80	March		0.25
Total				59.00	95.44

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Uma	130	May/ Aug-Sep	200.00	249.27
	Kanchana	110	May/Aug/ Dec	50.00	62.06
Total				250.00	311.33

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Jyothi	120	May/Aug/Dec	20.00	83.00
	Uma	130	Aug-Sep	100.00	92.30
	Kanchana	110	May/Aug/Dec	100.00	68.00
	Matta Triveni	105	May/Dec-Jan	20.00	88.99

	Vaishak	115	May-June	10.00	4.33
	Mahamaya	120	Aug-Sep	5.00	12.20
Pulses					
Green Gram	CO 8				0.50
Horse gram	CRHG 19				0.20
Total				255.00	349.52

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Summary

University farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	14.30	13.60	-	-	14.30	13.60
Foundation seed	1.50	1.50	8.50	6.20	10.00	7.70
Total	15.80	15.10	8.50	6.20	24.30	21.30
Farmers' field						
Truthfully labelled seed	172.70	173.86	30.00	26.73	202.70	200.59
Total	172.70	173.86	30.00	26.73	202.70	200.59

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	CAU-R1	135	15 June to 15 July	8.00	7.50
	CAU-R2	100	15 July to 5 August	2.00	2.00
	CAU-R3	100	15 July to 5 August	2.00	1.80
	CAU-R4	145	1 June to 20 June	2.00	2.00
Oilseeds					
Soybean	JS-335	110	15 to 20 June		
	RKS-18	110	15 to 20 June		
Groundnut	CAU-GS-1	130	15 May to 15 June	0.30	0.30
Total				14.30	13.60

				Foundation seed	
Oilseeds					
Soybean	JS-335	110	15 to 20 June	1.00	1.00
	RKS-18	110	15 to 20 June	0.50	0.50
Total				1.50	1.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Pulses					
Chickpea	JG-16	120	15Nov- 7Dec	1.00	0.50
Lentil	HUL57	125	20Nov-Dec10	1.50	0.50
Pea	Prakash	130	20Nov-Dec10	1.00	0.20
Forage crops					
Oat	JHO-822	125	1 st Week Nov	5.00	5.00
Total				8.50	6.20

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	CAU-R1	135	15 June to 15 July	150.00	150.00
Pulses					
Urd bean	Uttara	80	15 July to 15 August	0.50	0.48
	Samrat	80	15 July to 15 August	0.20	0.12
Oilseeds					
Soybean	JS 335	110	15 to 20 June	2.00	2.00
	RKS-18	110	15 to 20 June	2.00	2.00
	DSb-29	110	15 to 20 June	6.00	6.00
Groundnut	ICGS 76	125	15 May to 15 June	12.00	13.26
Total				172.70	173.86

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Pulses					
Chickpea	JG-16	120	15 Nov- 7Dec	10.00	5.00
Oilseeds					
Rapeseed and mustard	NRCHB-101	125-130	15Oct - 15Nov	5.00	2.03
	YSH 401	110-115	15Oct - 15Nov	5.00	5.70
	TS-38	110-115	15Oct - 15Nov	10.00	14.00
Total				30.00	26.73

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Summary

Institute farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	456.20	474.54	3703.22	5414.49	4159.42	5889.03
Truthfully labelled	0.00	65.11	49.00	112.28	49.00	177.39

seed						
Total	456.20	539.65	3752.22	5526.77	4208.42	6066.42
Farmers' field						(in quintals)
Truthfully labelled seed	2577.00	2928.49	1850.00	2043.83	4427.00	4972.32
Total	2577.00	2928.49	1850.00	2043.83	4427.00	4972.32

Quality seed production at university farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	PB-1121	140	20 May to 10 June	0.25	0.25
	PB-1401	145	20 May to 10 June	0.25	0.25
	PB-1509	120	20 June to 10 July	5.00	3.00
	PS-1612	120	20 May to 10 June	5.00	6.00
	PS-5	120	20 May to 10 June	100.00	148.00
	PB-1	135	20 May to 10 June	0.25	0.25
Maize	PM-150	120	4 th Aug.	0.05	0.05
	PM-151	124	8 th Aug.	2.00	2.32
Pulses					
Moong	Pusa Vishal	65-70	15 to 25 March	15.00	15.97
	Pusa 9531	55-60	01-10 April	5.00	2.28
	Pusa 0672	79	2 nd fortnight of July	5.00	3.55
Arhar	P-991	142	First week of June	10.00	9.00
	P-992	142	First week of June	10.00	15.00
Oilseeds					
Soybean	P-9712	116	20 June to 5 July	20.00	2.05
IARI, Karnal					
Cereals					
Paddy	Pusa 44	150-155	Third week June to Ist week July	50.00	50.00
	Pusa Basmati 1	135-140	15 th June to Ist week of July	20.00	20.00
	Improved PB 1	135	15 th June to Ist week of July	4.50	14.50
	Pusa Basmati 1121	140-145	3 rd week June to 10 th July	71.00	74.00
	Pusa Basmati 1509	120-125	15 July to 5 August	45.00	45.00
	Pusa Basmati 6	150	15 th June to Ist week of July	13.00	15.00

	Pusa Basmati 1609	120-125	1 st fortnight of July	1.50	1.50
	Pusa Sugandh 5	120-125	---do---	56.00	
	Pusa Sugandh 2	120-130	---do---	2.00	2.00
	Pusa 1592	120-125	---do---	4.00	12.00
Pearl millet	PC-701	80-85	June-July		0.35
	PC-443	---do---	---do---		0.40
	PC-383	---do---	---do---		0.89
	PC-612	---do---	---do---	0.20	0.34
Pulses					
Arhar	P- 2001	140-143	1 st week of June	0.50	2.05
	P-2002	142-144	1 st week of June	3.20	0.90
Mungbean	P-9531	55-60	15 March-10 April		3.90
	P Vishal	55-60	15 March-10 April		15.50
Forage crops					
Sorghum	PC-6	170-180	May-June		0.41
	PC-9	170-180	May-June	0.50	3.98
	PC-23	140-150	June	7.00	3.85
Total				456.20	474.54

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Kharif 2016				
IARI, Karnal				
Cereals				
Paddy	Pusa 44	150-155	Third week June to Ist week July	19.50
	Pusa Basmati 6	150	15 th June to Ist week of July	20.00
Pearl millet	PC-701	80-85	June-July	4.23
	PC-443	---do---	---do---	4.33
	PC-383	---do---	---do---	3.84
	PC-612	---do---	---do---	4.20
Pulses				
Arhar	P- 2001	140-143	1 st week of June	0.00
	P-2002	142-144	1 st week of June	0.00
Mungbean	P-9531	55-60	15 March-10 April	0.00
	P Vishal	55-60	15 March-10 April	6.75
Cowpea	C 152	105-110	June-July	0.81

Forage crops				
Sorghum	PC-6	170-180	May-June	0.00
	PC-9	170-180	May-June	1.45
	PC-23	140-150	June	
Total				65.11

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD 2864	110	25 Nov. – 25 Dec.	10.00	14.50
	HD-2967	140	5-25 Nov.	350.00	400.00
	HD-3043	143	5-25 Nov.	40.00	44.00
	HD-3059	121	25 Nov. - 25 Dec.	65.00	45.00
	HD-3086	143	5-25 Nov.	600.00	1140.00
	HD-3171	110-115	15 Dec.-25 Dec.	5.00	5.00
	HD-3117	140-143	15 Nov.-30 Nov.	5.00	10.10
	WR-544	94	Jan. 1-15		
	HDCSW-18	150	20 th Oct.	8.00	8.50
Pulses					
Lentil	Pusa Vaibhav	140	5 to 15 Nov.	1.00	4.32
	Pusa Shivalik	140	5 to 15 Nov.	6.00	5.57
	L-4594	130-135	7 to 15 Nov.	6.00	4.89
Chickpea	P-2085	145-150	15 th Oct.	1.00	1.80
	P-547	135	5 th Nov.	4.00	4.13
	P-372	120-140	1 st Nov.	5.00	6.71
	P-3022	150	30 th Oct.	5.00	7.22
Oilseeds					
Mustard	PM-25	107	First week of Sep.	2.20	3.00
	PM-26	126	1-20 Nov.	2.00	2.50
	PM-27	118	First week of Sep.	2.00	1.50
	PM-28	107	20 Aug. -7 Oct.	3.00	5.00
	PM-30	137	Sep. -Oct.	3.00	2.50
	PM-31		Sep.-Oct.	3.00	3.00
	Pusa Vijay	145	Sep. -Oct.	1.00	2.50
	Pusa Tarak	121	20 Aug. -7 Oct.	2.00	4.86
IARI, Indore					
Wheat	HI 1605	130-135	Oct. 15-Nov. 10	50.00	52.00
	HI 1544	110-115	Nov. 10 – 25	300.00	750.00



	HI 1531	130-135	Oct. 15-Nov. 10	90.00	90.00
(Durum)	HI 8498	120-125	Nov. 10 – 25	50.00	50.00
-do-	HI 8663	120-125	Nov. 10 – 25	158.80	270.00
-do-	HI 8713	120-125	Nov. 10 – 25	100.00	305.00
-do-	HI 8737	115-120	Nov. 10 – 25	37.20	135.00
-do-	HD 4728	115-120	Nov. 10 – 25		24.00
-do-	HI 8759	115-120	Nov. 10 – 25	150.00	80.00
IARI, Karnal					
Cereals					
Wheat	HD 2851	115-140	10-20 Nov.	103.90	147.00
	HD 2967	143	10-20 Nov.	550.00	700.00
	HD 3086	143	10-20 Nov.	738.20	750.00
	HD 3059	121	15-25 Dec.	78.20	101.00
	WR 544	95	1-15 Jan.	20.20	25.00
	HS 490	150	1-15 Dec.	5.00	7.00
	HS 507	167	Last week of Oct.- mid Nov.	75.00	102.00
	HS 542	192	1-15 Oct., rainfed	36.00	52.00
	HS 375	113	April-May for high altitude, summer sowing	0.00	
	HS 562	183	15-31 Oct., rainfed	0.00	0.00
Barley	BHS 380	182	Dual purpose	0.50	1.10
	BHS 400	168		0.50	0.85
Pulses					
Lathyrus	Bio L 212	125-135	1 st week of November	6.60	10.95
Fieldpea	DDR 55	95-115	1-10 Nov.	4.00	4.00
	DDR 23	95-115	15 th October- 1 st week of Nov.	7.50	7.50
Oilseeds					
Mustard	P.Vijay	110-145	Oct.	0.60	2.50
	P.Jagannath	---do---	---do---	0.10	2.50
	P.Jai Kisan	---do---	---do---	0.98	2.50
	P.Mahak	---do---	---do---	3.75	5.72
	P.Agrani	---do---	---do---	1.00	1.94
	P.M.-24	---do---	---do---	1.20	0.80
	P.M.-22	---do---	---do---	0.02	0.98
	P.Bold	---do---	---do---	4.77	6.55
Total				3703.22	5414.49

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	WR-544	94	Jan. 1-15	30.00	33.00
Oilseeds					
Mustard	PM-25	107	First week of Sep.	1.00	1.29
	PM-26	126	1-20 Nov.	5.00	7.24
	PM-27	118	First week of Sep.	1.50	1.50
	PM-28	107	20 Aug. -7 Oct.	5.00	5.20
	PM-30	137	Sep. -Oct.	2.00	2.64
	PM-31		Sep.-Oct.		
	Pusa Vijay	145	Sep. -Oct.	1.50	1.70
	Pusa Tarak	121	20 Aug. -7 Oct.	3.00	3.86
IARI, Karnal					
Cereals					
Wheat	WR 544	95	1-15 Jan.		16.00
	HS 490	150	1-15 Dec.		0.50
	HS 507	167	Last week of Oct.-mid Nov.		0.50
	HS 542	192	1-15 Oct., rainfed		0.80
	HS 375	113	April-May for high altitude, summer sowing		0.50
	HS 562	183	15-31 Oct., rainfed		1.50
Barley	BHS 380	182	Dual purpose		1.05
	BHS 400	168			1.50
Oilseeds					
Mustard	P.Vijay	110-145	Oct.		11.28
	P.Jagannath	---do---	---do---		9.60
	P.Jai Kisan	---do---	---do---		2.25
	P.Mahak	---do---	---do---		3.25
	P.Agrani	---do---	---do---		7.12
Total				49.00	112.28

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	PB-1	135	20 May to 10 June	30.00	41.60
	PB-1121	140	20 May to 10 June	500.00	646.90
	PB-1401	145	20 May to 10 June	50.00	54.00
	PS-5	120	20 May to 10 June	60.00	78.75
	PS-1612	120	20 May to 10 June	50.00	53.10
Pulses					
Moong	Pusa Vishal	65-70	15 to 25 March	50.00	50.29
	Pusa 9531	55-60	01-10 April	2.00	2.35
	Pusa 0672	79	2 nd fortnight of July	1.00	0.32
Arhar	Pusa-991	142	First week of June	12.00	14.70
	Pusa-992	142	First week of June	20.00	24.22
	Pusa 2002	142-143	First week of June	2.00	2.56
IARI, Karnal					
Cereals					
Paddy	Pusa 44	150-155	15 th June -7 th July	1300.00	1421.40
	PB 1121	140-145	3 rd week of June-10 th July	500.00	538.30
Total				2577.00	2928.49

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD-2967	143	5-25 Nov.	250.00	318.00
	HD-3086	143	5-25 Nov.	400.00	465.00
	HD-3059	121	25 Nov. 25 Dec.	100.00	100.00
Pulses					
Lentil	Pusa Vaibhav	140	5 to 15 Nov.	20.00	21.24
	Pusa Shiwalik	140	5 to 15 Nov.	15.00	18.04
Oilseeds					
Mustard	Pusa Vijay	145	Sep. - Oct.	30.00	31.45
	PM-28	107	20 Aug. -7 Oct.	5.00	5.40

	Pusa Tarak	121	20 Aug. -7 Oct.	30.00	39.05
IARI, Karnal					
Cereals					
Wheat	HD 2967	143	10-20 Nov.	500.00	575.42
	HD 3086	143	10-20 Nov.	500.00	470.23
Total				1850.00	2043.83

36. Centre : ICAR- Indian Institute of Wheat & Barley Research,
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Summary

Institute farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	0.00	1210.14	1059.50	1210.14	1059.50
Truthfully labelled seed	-	45.00	-	40.00	-	85.00
Total	-	45.00	1210.14	1099.50	1210.14	1144.50
Farmers' field						
Breeder seed	-	-	107.40	307.50	107.40	307.50
Truthfully labelled seed	-	-	-	70.00	-	70.00
Total	-	-	107.40	377.50	107.40	377.50

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	Pusa 1121	140-145	25 May to 15 June		45.00
Total				0.00	45.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed		Truthfully labelled seed production
				Target	Production	
Rabi 2016-17						
Cereals						
Wheat	CBW 38	110-125	5-25 th Nov.	110.80	80.00	
	DBW 14	90-115	5-25 th Nov.	2.00	3.30	
	DBW 17	130-165	5-25 th Nov.	65.44	28.65	
	DBW 39	110-125	5-25 th Nov.	85.80	86.92	
	DBW 71	115-135	5-25 th Dec.	38.60	54.00	
	DBW 90	115-135	5-25 th Dec.	138.20	111.10	
	DBW 110	110-140	25 Oct. to 15 Nov.	192.00	135.75	
	HD 3086	130-165	5-25 th Nov.	20.00	77.45	20.00
	HD 2967	140-145	5-25 th Nov.	354.90	216.50	20.00
Barley	DWRUB 52	126-128	5-25 th Nov.	94.30	93.60	
	DWRUB 64	116-117	5-25 th Nov.	23.10	28.00	
	DWRB 73	110-118	5-25 th Nov.	18.00	18.63	
	DWRB 92	129-134	5-25 th Nov.	9.00	13.20	
	DWRB 101	112-117	5-25 th Nov.	58.00	74.00	
	DWRB 123	112-117	5-25 th Nov.		38.40	
Total				1210.14	1059.50	40.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed		Truthfully labelled seed production
				Target	Production	
Rabi 2016-17						
Cereals						
Wheat	WB 2	110-125	130-165 Days		186.55	50.00
	DBW 88	90-115	130-165 Days	107.40	120.95	20.00
Total				107.40	307.50	70.00

37. Centre : ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	38.35	46.14	139.30	148.70	177.65	194.84
Truthfully labelled seed	8.45	30.25	20.15	38.32	28.60	68.57
Total	46.80	76.39	159.45	187.02	206.25	263.41
Farmers' field						
Truthfully labelled seed	2.50	10.43	216.00	227.35	218.50	237.78
Total	2.50	10.43	216.00	227.35	218.50	237.78

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Vivek Dhan 154	125-130	Mid May	1.75	2.25
	Vivek Dhan 62	125-130	Mid May		1.30
	VL Dhan 65	130-135	Mid May	1.00	1.00
	VL Dhan 85	100-110	I fortnight of June	2.25	2.40
	VL Dhan 86	118-120	I fortnight of June	2.00	2.25
	VL Dhan 208	160-165	March last week- April first week	1.50	1.50
	VL Dhan 209	155-160	March last week- April first week	1.50	1.00
Maize	Vivek Sankul Makka 31	85-90	May-June	1.00	2.20
	V 373	95-100	May-June	1.00	6.00
	V 390	95-100	May-June	0.60	0.55
	CM 212	95-100	May-June	0.05	0.10

	VQL1	90-95	May-June		0.05
	VQL 2 (VQPM 9 M)	90-95	May-June		0.10
	VL Amber Popcorn	100-105	May-June	0.50	0.50
	VSL 4	95-100	May-June	0.50	0.95
	V 335	95-100	May-June		2.45
	VLS 16	95-100	May-June	0.20	0.90
	V 405	95-100	May-June	0.10	0.24
	V 407	95-100	May-June	0.10	0.18
	V 409	95-100	May-June	0.10	0.12
	CM 153	95-100	May-June	0.10	0.22
Ragi	VL Mandua 315	100-125	Mid May-mid June	1.00	1.00
	VL Mandua 324	105-137	Mid May-mid June	1.00	1.10
	VL Mandua 347	92-115	Mid May-mid June	1.00	1.10
	VL Mandua 352	83-111	Mid May-mid June	4.00	2.00
Madira	VL Madira 207\$	85-120	I fortnight of May-I fortnight of June	1.25	0.50
	VL Madira 181	85-120	I fortnight of May-I fortnight of June		0.10
Pulses					
Arhar	VL Arhar 1	120-125	Last week of May-I fortnight of June	4.50	4.00
Gahat	VL Gahat 19	90-100	I fortnight of June	1.50	1.30
	VL Gahat 8	90-100	I fortnight of June	0.25	0.25
Rajmash	VL Rajmash 63	70-75	II fortnight of June to July	0.20	0.13
Oilseeds					
Soybean	VL Soya 65	115-120	I fortnight of June	5.00	5.00
	VL Soya 63	120-130	I fortnight of June	4.00	3.00
Other crops					
Buckwheat	VL Ugal 7	65-90	March-April & June-July	0.10	0.10
Amaranth	VL Chua 44	90-170	II fortnight of May-I fortnight of June	0.30	0.30
Total				38.35	46.14

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Vivek Dhan 154	125-130	Mid May	0.40	0.71

	Vivek Dhan 62	125-130	Mid May		1.50
	VL Dhan 65	130-135	Mid May	0.50	3.20
	VL Dhan 85	100-110	I fortnight of June	0.40	1.45
	VL Dhan 86	118-120	I fortnight of June	0.20	4.56
	VL Dhan 208	160-165	March last week- April first week	0.25	0.10
Maize	Vivek Sankul Makka 31	85-90	May-June	0.50	0.40
	Vivek Sankul Makka 35	80-90	May-June		0.37
	VL Amber Popcorn	100-105	May-June	0.25	0.47
Ragi	VL Mandua 315	100-125	Mid May-mid June	0.25	
	VL Mandua 324	105-137	Mid May-mid June	0.25	1.46
	VL Mandua 347	92-115	Mid May-mid June	0.20	0.40
	VL Mandua 352	83-111	Mid May-mid June	0.25	0.70
Madira	VL Madira 207\$	85-120	I fortnight of May-I fortnight of June	0.20	0.34
	VL Madira 172	85-120	I fortnight of May-I fortnight of June		0.40
Pulses					
Arhar	VL Arhar 1	120-125	Last week of May-I fortnight of June	0.20	5.70
Gahat	VL Gahat 19	90-100	I fortnight of June	0.50	0.61
	VL Gahat 10	90-100	I fortnight of June		0.65
	VL Gahat 15	90-100	I fortnight of June	0.50	0.60
Rajmash	VL Rajmash 63	70-75	II fortnight of June to July	0.10	
Oilseeds					
Soybean	VL Soya 65	115-120	I fortnight of June	0.50	2.26
	VL Soya 63	120-130	I fortnight of June	0.30	1.20
	VL Soya 59	120-130	I fortnight of June	1.00	0.50
	VL Soya 47	120-130	I fortnight of June	1.50	2.35
Other crops					
Buckwheat	VL Ugal 7	65-90	March-April & June-July	0.10	0.07
Amaranth	VL Chua 44	90-170	II fortnight of May-I fortnight of June	0.10	0.25
Total				8.45	30.25

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	VL <i>Gehun</i> 829	210-218	Upto 10th Oct (Rainfed) I fortnight of Nov(Irrig.)	16.00	30.00
	VL <i>Gehun</i> 892	140-145	II fortnight of Nov- I fortnight of Dec	40.00	17.50
	VL <i>Gehun</i> 907	175-180 (Rainfed, 165-170 (Irrig.)	II fortnight of Oct (Rainfed)	40.00	50.00
	VL <i>Gehun</i> 967	140-145	II fortnight of Nov- I fortnight of Dec	12.00	
	VL <i>Gehun</i> 953	140-145	II fortnight of Nov- I fortnight of Dec	12.00	25.00
	VL <i>Gehun</i> 832	140-145	II fortnight of Nov- I fortnight of Dec	0.00	6.50
Barley	VL <i>Jau</i> 118	160-165	15 th Oct-10 th Nov	6.00	6.00
Pulses					
Lentil	VL <i>Masoor</i> 126	160-165	II fortnight of Oct	2.50	5.00
	VL <i>Masoor</i> 129	160-165	II fortnight of Oct	1.00	0.50
	VL <i>Masoor</i> 133	153-158	II fortnight of Oct	2.50	3.10
	VL <i>Masoor</i> 507	140-209	II fortnight of Oct	1.50	0.50
	VL <i>Masoor</i> 514	154-159	II fortnight of Oct	1.50	0.85
Field Pea	VL <i>Matar</i> 42	150-170	I to II week of Nov.	1.50	1.70
Pea (Garden)	Vivek <i>Matar</i> 10	170-180	Last week of Nov.	1.50	0.60
	Vivek <i>Matar</i> 11	170-180	I to II week of Nov.	0.70	1.05
	VL <i>Ageti Matar</i> 7	170-180	Last week of Nov.	0.20	
	Vivek <i>Matar</i> 12	170-180	I to II week of Nov.	0.20	
Oilseeds					
Toria	VL <i>Toria</i> 3	115-162	I fortnight of Oct	0.10	0.20
	TS-67			0.10	0.20
Total				139.30	148.70

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	(in quintals)	
				Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	VL <i>Gehun</i> 829	210-218	Upto 10th Oct (Rainfed) I fortnight of Nov(Irrig.)	3.00	10.05
	VL <i>Gehun</i> 892	140-145	II fortnight of Nov- I fortnight of Dec	5.00	7.00
	VL <i>Gehun</i> 907	175-180 (Rainfed, 165-170 (Irrig.)	II fortnight of Oct (Rainfed)	5.00	5.90
	VL <i>Gehun</i> 967	140-145	II fortnight of Nov- I fortnight of Dec	2.00	0.50
	VL <i>Gehun</i> 953	140-145	II fortnight of Nov- I fortnight of Dec	2.00	6.04
Barley	VL <i>Jau</i> 118	160-165	15 th Oct-10 th Nov	1.00	1.50
	VL <i>Jau</i> 130	160-165	15 th Oct-10 th Nov	0.00	1.25
Pulses					
Lentil	VL <i>Masoor</i> 126	160-165	II fortnight of Oct	0.50	2.55
	VL <i>Masoor</i> 129	160-165	II fortnight of Oct		0.20
	VL <i>Masoor</i> 133	153-158	II fortnight of Oct	0.25	
	VL <i>Masoor</i> 507	140-209	II fortnight of Oct	0.25	
	VL <i>Masoor</i> 514	154-159	II fortnight of Oct	0.25	
Field Pea	VL <i>Matar</i> 42	150-170	I to II week of Nov.	0.50	
Pea (Garden)	Vivek <i>Matar</i> 10	170-180	Last week of Nov.	0.10	0.35
	Vivek <i>Matar</i> 11	170-180	I to II week of Nov.	0.10	1.10
Oilseeds					
Toria	VL <i>Toria</i> 3	115-162	I fortnight of Oct	0.10	0.30
	TS-67			0.10	1.58
Total				20.15	38.32

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Oilseeds					
Paddy	VL Dhan 85	100-110	I fortnight of June	0.00	4.00
	VL Dhan 68	120-125	I fortnight of June		6.00
	VL Mandua 352	83-111	Mid May-mid June		0.13
Oilseeds					
Soybean	VL Soya 63	115-120	I fortnight of June	2.50	0.30
Total				2.50	10.43

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	VL Gehun 907	175-180 (Rainfed, 165-170 (Irrig.)	II fortnight of Oct (Rainfed) I fortnight of Nov(Irrig.)	100.00	105.00
	VL Gehun 829	210-218	Upto 10th Oct (Rainfed) I fortnight of Nov(Irrig.)	30.00	30.00
	VL 804	170-175 (Rainfed, 155-165 (Irrig.)	II fortnight of Oct (Rainfed) I fortnight of Nov(Irrig.)	50.00	55.00
	VL Gehun 953	175-180 (Rainfed, 165-170 (Irrig.)	II fortnight of Oct (Rainfed) I fortnight of Nov(Irrig.)	20.00	22.00
Pulses					
Massor	VL Masoor 126	126-150 (Mid hills), 195-205 (High hills)	II fortnight of Oct	15.00	15.00
Pea (Garden)	Vivek Matar 11	170-180	I to II week of Nov.	1.00	0.35
Total				216.00	227.35

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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	103.15	209.28	251.20	454.25	354.35	663.53
Truthfully labelled seed	-	6.36	-	11.53	-	17.89
Total	103.15	215.64	251.20	465.78	354.35	681.42
Farmers' field						
Foundation seed	-	10.00	-	228.00	-	238.00
Truthfully labelled seed	-	21.65	-	-	-	21.65
Total	-	31.65	-	228.00	-	259.65

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Pulses					
Urdbean	IPU 02-43	70-72	Kharif	13.50	32.15
	Uttara	128-130	Spring	10.00	21.15
Mungbean	Meha	65-70	Spring	18.00	23.00
	Samrat	58-62	Summer	20.00	29.23
	IPM 2-3	70-72	Kharif and Spring	21.35	21.35
	IPM 2-14	60-65	Kharif	13.30	23.30
Pigeonpea	IPA203	240-250	Kharif	7.00	38.00
	TJT 501	150-160	Kharif		19.00
	UPAS 120	120-135	Kharif		1.70
Horsegram	CRIDA 18R	115-120	Kharif		0.40
Total				103.15	209.28

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed Production
Kharif 2016				
Pulses				
Urdbean	IPU 02-43	70-72	Kharif	1.00
	Uttara	128-130	Spring	1.20
Mungbean	Meha	65-70	Spring	
	Samrat	58-62	Summer	2.16
	IPM 2-3	70-72	Kharif and Spring	1.00
	IPM 2-14	60-65	Kharif	1.00
Total				6.36

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Truthfully labelled seed production
			Target	Production	
Rabi 2016-17					
Pulses					
Chickpea	Ujjawal	110-115	30.00	35.90	1.20
	Shubhra	110-115	30.00	55.00	1.35
	DCP 92-3	110-112		0.50	0.25
	JG 14	110-112		28.90	
	RVG 202	110-112		26.30	
	RVG 203	110-112		20.80	
	JG 11	110-112		1.60	
	JG 16	110-112		5.00	
Lentil	DPL 62	130-135	2.00	2.50	
	IPL 406	125-130	5.00	8.50	
	IPL 316	110-115	24.00	48.10	0.40
	IPL 81	110-115	3.00	3.08	1.90
Fieldpea	Prakash	110-115	38.00	42.00	1.32
	Vikash	100-105	35.00	35.00	1.94
	Aman	120-130	23.20	44.00	0.77
	Adarsh	110-115	10.00	11.50	0.40
	IPF 4-9	105-110	30.00	40.00	1.10
	IPFD 10-12	110-115	20.00	43.00	0.90
Rajmash	Amber	135-140	1.00	1.82	
	Utkarsh	125-130		0.75	
Total			251.20	454.25	11.53

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed production	Truthfully labelled seed production
Kharif 2016					
Pulses					
Urdbean	IPU 02-43	70-72	Kharif		4.50
	Uttara	128-130	Spring		5.00
Mungbean	Samrat	58-62	Summer		6.00
	IPM 2-3	70-72	Kharif and Spring		2.15
	IPM 2-14	60-65	Kharif		4.00
Pigeonpea	IPA 203	240-250	Kharif	10.00	
Total				10.00	21.65

(in quintals)

Crop	Variety	Duration of variety (days)	Foundation seed production
Rabi 2016-17			
Pulses			
Chickpea	Ujjawal	110-115	55.00
	Shubhra	110-115	60.00
Fieldpea	Prakash	110-115	35.00
	Aman	120-130	27.00
	IPF 4-9	105-110	30.00
	IPFD 10-12	110-115	21.00
Total			228.00

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Summary
Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Planting materials	-	8700.00	-	-	-	8700.00
Total	-	8700.00	-	-	-	8700.00

Planting material production at institute's farms

(in quintals)

Crops	Variety	Suitable planting window (sowing/ planting time)	Production
Sugarcane			
	CoPk 05191 (05191)		2500
	CoLk 94184 (94184)		800
	CoLk 9709 (9709)		1200
	Co 0238 (0238)		1500
	CoLk 09202 (09202)		500
	Co 0118 (0118)		100
	Co 05011 (05011)		700
	CoH 0128 (0128)		400
	CoPant 05224 (05224)		800
	CoLk 09204 (09204)		200
Total			8700.00

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Summary
Institute farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	1.87	-	-	-	1.87
Certified seed	50.00	100.00	-	-	50.00	100.00
Truthfully labelled seed	510.00	584.44	60.00	146.50	570.00	730.94
Planting material	2.00	2.50			2.00	2.50
Total	562.00	688.81	60.00	146.50	622.00	835.31
Planting materials	(in lakh)					
Planting material	1.10	8.17	-	-	1.10	8.17
Total	1.10	8.17	-	-	1.10	8.17

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed Production
Khariif 2016				
Fibre crops				
Olitorius	CO 58	110-120	Jul-Aug	0.12
	JBO 2003H (IRA)	110-120	Jul-Aug	0.10
	JRO 204 (Suren)	110-120	Jul-Aug	0.30
	S 19 (Subala)	110-120	Jul-Aug	0.13
	JRO 128 (Surya)	110-120	Jul-Aug	0.04
	JRO 8432 (Shakti Tossa)	110-120	Jul-Aug	0.04
	JRO 524 (Navin)	110-120	Jul-Aug	0.40
	JRO 878 (Chaitali Tossa)	110-120	Jul-Aug	0.02
	JRO 2407(Samapti)	110-120	Jul-Aug	0.04
Capsularis	JRC 517(Sidhartha)	110-120	Jul-Aug	0.02
	JRC 532	110-120	Jul-Aug	0.10
Mesta	JRKM9-1	130-150	Jul-Aug	0.34
	JBMP-2	130-150	Jul-Aug	0.22
Total				1.87

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Khariif 2016					
Cereals					
Paddy	MTU-7029	130-140	June	50.00	100.00
Total				50.00	100.00
Truthfully labelled seed					
Cereals					
Paddy	MTU-7029	130-140	June	460.00	490.00
Fibre crops					
Olitorius	CO 58	110-120	Jul-Aug		5.59
	JBO 2003H (IRA)	110-120	Jul-Aug		2.36
	JRO 204 (Suren)	110-120	Jul-Aug		12.96
	S 19 (Subala)	110-120	Jul-Aug		12.44
	JRO 128 (Surya)	110-120	Jul-Aug		4.20
	JRO 8432 (Shakti Tossa)	110-120	Jul-Aug		0.36
	JRO 524 (Navin)	110-120	Jul-Aug		8.99

	JRO 878 (Chaitali Tossa)	110-120	Jul-Aug		0.78
	JRO 2407(Samapti)	110-120	Jul-Aug		0.08
Capsularis	JRC 517(Sidhartha)	110-120	Jul-Aug		1.76
	JRC 532	110-120	Jul-Aug		0.70
	JRC 321 (Sonali)	110-120	Jul-Aug		0.75
	JRC 698	110-120	Jul-Aug		0.20
	JRC 80	110-120	Jul-Aug		0.80
Mesta	AMC 108	130-150	Jul-Aug		0.15
	HC 583	130-150	Jul-Aug		3.46
	HS4288	140-160	Jul-Aug		2.92
	HS7910	140-160	Jul-Aug		0.64
Sunnhemp	SUIN 037	110-120	Aug-sept		15.62
	K12-Yellow	110-120	Aug-sept		0.05
Green manure crops					
Dhaincha	Local variety		Aug-sept	50.00	19.63
Total				510.00	584.44

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	PBW 343	130-140	Nov 2nd fortnight	30.00	45.00
	UP 262	140-145	Nov 2nd fortnight	10.00	20.00
	DBW 039	130-140	Nov 2nd fortnight	10.00	25.00
Oil seeds					
Mustard	B-9	120-130	Oct 2nd fortnight	3.00	30.00
	P 901	120-130	Oct 2nd fortnight	2.00	15.00
Toria	B54	80-90	Oct 1st fortnight	5.00	11.50
Total				60.00	146.50

Planting material

Crops	Variety	Planting material (in quintal)		Planting material (in lakh)	
		Target	Production	Target	Production
Kharif 2016					
Ramie	Hazarika	2.00	2.50	0.50	7.00
Sisal				0.60	1.17
Total		2.00	2.50	1.10	8.17

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Summary

Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	581.00	605.20	321.00	246.30	902.00	851.50
Truthfully labelled seed	74.10	86.47	69.00	77.50	143.10	163.97
Total	655.10	691.67	390.00	323.80	1045.10	1015.47
Farmers' field						
Truthfully labelled seed	1020.00	1156.87	-	-	1020.00	1156.87
Total	1020.00	1156.87	-	-	1020.00	1156.87

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	CR Dhan 70	150	June 2 nd Week/July 2 nd Week	0.50	0.90
	CR 1014	160	June 2 nd Week/July 2 nd Week	2.50	6.90
	CR 1017 (Dharitri)	150	June 2 nd Week/July 2 nd Week	6.00	11.40
	CR 1018 (Gayatri)	160	June 2 nd Week/July 2 nd Week	4.50	7.80
	CR 1030	155	June 2 nd Week/July 2 nd Week	0.50	0.90
	CR Dhan 300	140	June 2 nd Week/July 2 nd Week	0.50	1.50
	CR Dhan 401	150	June 2 nd Week/July 2 nd Week	5.50	2.40
	CR Dhan 500	160	June 2 nd Week/July 2 nd Week	38.00	36.00
	CR Dhan 505	162	June 2 nd Week/July 2 nd Week		1.80



	CR Sugandhadhan 3	150	June 2 nd Week/July 2 nd Week	1.00	1.20
	CR Sugandhadhan 907	150	June 2 nd Week/July 2 nd Week	16.00	18.30
	Geetanjali	130	June 2 nd Week/July 2 nd Week	7.00	11.10
	Ketakijoha	145	June 2 nd Week/July 2 nd Week	0.00	2.40
	Luna Sampad	140	June 2 nd Week/July 2 nd Week	1.50	0.60
	Luna Suvarna	150	June 2 nd Week/July 2 nd Week	1.00	1.50
	Lunishree	145	June 2 nd Week/July 2 nd Week	1.50	0.90
	Moti	145	June 2 nd Week/July 2 nd Week	1.50	1.50
	NuaKalajeera	150	June 2 nd Week/July 2 nd Week	1.00	1.80
	NuaChinikamini	150	June 2 nd Week/July 2 nd Week	1.00	2.10
	Padmini	145	June 2 nd Week/July 2 nd Week		2.10
	Pooja	150	June 2 nd Week/July 2 nd Week	12.00	47.40
	Ranjeet	150-155	June 2 nd Week/July 2 nd Week		4.20
	Sarala	150	June 2 nd Week/July 2 nd Week	3.00	10.50
	Savitri	150	June 2 nd Week/July 2 nd Week		0.60
	Swarna Sub1	145	June 2 nd Week/July 2 nd Week	450.00	400.00
	Varshadhan	160	June 2 nd Week/July 2 nd Week	26.50	29.40
Total				581.00	605.20

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	CR 1014	160	June 2 nd Week/July 2 nd Week	3.10	3.10
	CR 1018 (Gayatri)	160	June 2 nd Week/July 2 nd Week	2.50	2.55
	CR Dhan 310	125	June 2 nd Week/July 2 nd Week	1.00	1.12

	CR Dhan 505	162	June 2 nd Week/July 2 nd Week	3.00	3.30
	CR Sugandhadhan 3	150	June 2 nd Week/July 2 nd Week	5.00	5.20
	CR Sugandhadhan 907	150	June 2 nd Week/July 2 nd Week	1.00	0.75
	Durga	160	June 2 nd Week/July 2 nd Week	10.00	13.00
	Ketakijoha	145	June 2 nd Week/July 2 nd Week	3.50	4.15
	Moti	145	June 2 nd Week/July 2 nd Week	2.00	2.65
	NuaKalajeera	150	June 2 nd Week/July 2 nd Week	3.00	4.20
	Pooja	150	June 2 nd Week/July 2 nd Week	4.00	4.35
	Sarala	150	June 2 nd Week/July 2 nd Week	1.00	1.35
	Savitri	150	June 2 nd Week/July 2 nd Week	2.00	2.25
	Varshadhan	160	June 2 nd Week/July 2 nd Week	30.00	34.35
	Luna Barial	150	June 2 nd Week/July 2 nd Week	3.00	4.15
Total				74.10	86.47

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Annada	110	Jan 1 st Week / Jan last Week	10.00	17.10
	CR Boro Dhan-2	125	Jan 1 st Week / Feb 1 st Week	1.00	3.00
	CR Dhan-10	135	Dec Last Week/ Jan Last Week	16.00	10.50
	CR Dhan 101	110	Jan 1 st Week / Feb 1 st Week	1.00	1.00
	CR Dhan 201	118	Jan 1 st Week / Jan last Week	1.00	1.50
	CR Dhan 303	125	Jan 1 st Week / Jan last Week	21.00	2.40
	CR Dhan 307	135	Dec Last Week/ Jan Last Week	15.00	19.80
	CR Dhan 310	125	Jan 1 st Week / Jan last Week	23.00	16.50



	CR Dhan 601	130	Dec Last Week/ Jan Last Week	6.00	4.80
	Khitish	130	Dec Last Week/ Jan Last Week	28.00	6.60
	Naveen	120	Jan 1 st Week / Feb 1 st Week	150.00	100.00
	Phalguni	117	Jan 1 st Week / Feb 1 st Week	12.00	12.60
	Shatabdi	120	Jan 1 st Week / Feb 1 st Week	32.00	39.00
	Sahabthagidhan	105	Jan 2 nd Week/ Feb 1 st Week		2.00
	Improve Lalat	130	Dec Last Week/ Jan Last Week	4.00	7.50
	Satyabhama	110	Jan 1 st Week / Jan last Week	1.00	2.00
Total				321.00	246.30

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	CR Dhan 203	110	Jan 1 st Week / Jan last Week	1.00	2.00
	CR Dhan 204	120	Jan 1 st Week / Jan last Week	3.00	3.50
	CR Dhan 205	110	Jan 1 st Week / Jan last Week	2.00	3.00
	CR Dhan 206	115	Jan 1 st Week / Jan last Week	8.00	9.00
	CR Dhan 307	135	Dec Last Week/ Jan Last Week	25.00	26.00
	CR Dhan 310	125	Jan 1 st Week / Jan last Week	10.00	12.00
	Naveen	120	Jan 1 st Week / Feb 1 st Week	20.00	22.00
Total				69.00	77.50

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Pooja	150	June 2 nd Week/July 2 nd Week	500.00	565.19
	Gayatri	160	June 2 nd Week/July 2 nd Week	120.00	147.86
	Swarna sub 1	145	June 2 nd Week/July 2 nd Week	200.00	206.71
	Sarala	150	June 2 nd Week/July 2 nd Week	200.00	237.11
Total				1020.00	1156.87

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Summary
Institute farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	1.75	9.00	130.15	155.71	131.90	164.71
Truthfully labelled seed	27.90	53.89	171.00	199.34	198.90	253.23
Total	29.65	62.89	301.15	355.05	330.80	417.94
Planting materials	(in lakh)					
Planting material	1.50	1.82	-	-	1.50	1.82
Total	1.50	1.82	-	-	1.50	1.82
Farmers' field	(in quintals)					
Truthfully labelled seed	4.00	4.51	8.00	8.80	12.00	13.31
Total	4.00	4.51	8.00	8.80	12.00	13.31

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Forage crops					
Cowpea	EC 4216	100-110	June- July	1.75	1.75
	BL1	100-110	June- July		1.00
	BL2	100-110	June- July		0.30
	BL4	100-110	June-July		0.20
	Kohinoor	110-120	June- July		1.00
Sorghum	MP Chari	90-105	June- July		1.75
Maize	African Tall	120-130	June- July		2.00
Guar	BG 1	120-130	June- July		1.00
Total				1.75	9.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Forage crops					
Cowpea	EC 4216	100-110	June- July		
	BL1	100-110	June- July	0.50	1.26
	BL2	100-110	June- July	0.20	0.59
	Kohinoor	110-120	June- July	0.50	0.85
Sorghum	MP Chari	90-105	June- July	0.20	0.77
Maize	African Tall	120-130	June- July	1.50	2.05
Guar	BG 1	120-130	June- July	5.00	5.85
	BG 3	120-130	June- July	1.00	1.05
Dhaincha	-	120-130	June- July		0.75
Perennial sorghum	CoFS-29	90-105	June- July	1.00	1.00
Pearlmillet	AVKB-19	75-80	June- July	10.00	11.70
Annual grasses	-	120-130	June- July	3.00	8.90
Perennial grasses & Legumes	-	120-150	June- July	5.00	19.12
Total				27.90	53.89

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Forage crops					
Oat	JHO 2000-4	145-150	Oct-15 – Nov 15	32.50	19.00
	JHO 99-2	140-145	Oct-15 – Nov 15	2.40	3.60
	JHO 99-1	150-155	Oct-15 – Nov 15	2.50	3.11
	JHO 822	125-130	Oct-15 – Nov 15	15.00	25.00
	JHO 851	140-145	Oct-15 – Nov 15	10.00	13.00
	Kent	140-145	Oct-15 – Nov 15	59.50	80.00
Berseem	BB3	175-185	Oct-15 – Nov 15		1.00
	BB 2 (JHB 146)	180-190	Oct-15 – Nov 15	0.20	2.00
	Wardan	175-190	Oct-15 – Nov 15	8.05	9.00
Total				130.15	155.71

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Forage crops					
Oat	JHO 2000-4	145-150	Oct-15 – Nov 15		
	JHO 99-2	140-145	Oct-15 – Nov 15	2.00	3.10
	JHO 99-1	150-155	Oct-15 – Nov 15	2.00	3.69
	JHO 822	125-130	Oct-15 – Nov 15	40.00	45.30
	JHO 851	140-145	Oct-15 – Nov 15	20.00	24.50
	Kent	140-145	Oct-15 – Nov 15	85.00	97.00
	JHO 2010-1	140-145	Oct-15 – Nov 15	7.00	7.75
Berseem	BB3	175-185	Oct-15 – Nov 15	1.00	1.50
	BB 2 (JHB 146)	180-190	Oct-15 – Nov 15	7.00	8.00
	Wardan	175-190	Oct-15 – Nov 15	7.00	8.50
Total				171.00	199.34

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Forage crops					
Lucerne	RL-88	170-175	June -July	4.00	4.51

Total				4.00	4.51
(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Forage crops					
Oat	Kent	140-145	Oct-15 – Nov 15	5.00	4.00
Berseem	Wardan	175-190	Oct-15 – Nov 15	1.00	2.30
Cowpea	BL2	100-110	Nov I week	2.00	2.50
Total				8.00	8.80

Planting material

(in lakh)			
Crops	Target	Production	
Kharif 2016			
Rooted slips of grasses	1.50	1.82	
Total	1.50	1.82	

**43. Centre : ICAR- Directorate of Rapeseed and Mustard Research
Sewar, Bharatpur 321303, Rajasthan**

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Summary
Institute farms
(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Truthfully labelled seed	9.00	8.83	715.00	1682.97	724.00	1691.80
Total	9.00	8.83	715.00	1682.97	724.00	1691.80
Farmers' field						
Truthfully labelled seed	-	-	100.00	-	100.00	-
Total	-	-	100.00	-	100.00	-

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Oilseeds					
Sesame	HT-2	85	Timely sown	5.00	3.80
Fiber crops					
Sun hemp	Local	150	March-April is		5.03
Green manure crop					
Dhaincha	Local			4.00	
Total				9.00	8.83

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Oilseeds					
Indian mustard	RH-749	145-150	Suitable for timely sown	150.00	301.64
	RH-406	142-145	Suitable for timely sown	150.00	593.09
	NRCDR 02	131-156	Suitable for timely sown	100.00	202.74
	NRCHB 101	105-135	Suitable for late sown	150.00	218.85
	DRMRIJ-31	137-153	Suitable for timely sown	150.00	357.92
Yellow Sarson	YSH 401	115-120	Suitable for timely sown	10.00	5.21
	NRCYS 05-02	(94-181) 113	Suitable for timely sown	5.00	3.52
Total				715.00	1682.97

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Oil seed					

Indian mustard	NRCDR02	131-156	Suitable for timely sown	50.00	-
	DRMRIJ 31	137-153	Suitable for timely sown	50.00	-
Total				100.00	-

**44. Centre : ICAR- Indian Institute of Soybean Research
Khandwa Road, Indore, M.P. 452001**

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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	214.00	309.50	20.00	6.00	234.00	315.50
Foundation seed	0.00	0.00	30.00	40.00	30.00	40.00
Truthfully labelled seed	60.00	69.00	0.00	0.00	60.00	69.00
Total	274.00	378.50	50.00	46.00	324.00	424.50

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Oil seeds					
Soybean	NRC 37	99-105	June 25-July 15	80.00	115.00
	NRC 7	90-95	June 25-July 15	40.00	45.00
	NRC 86	95-103	June 25-July 15	60.00	111.00
	JS 20-29	95-98	June 25-July 15	30.00	35.00
	JS 20-34	85-90	June 25-July 15	4.00	3.50
Total				214.00	309.50
Truthfully labelled seed					
Soybean	JS 20-29	95-98	June 25-July 15	40.00	49.00
	JS 20-34	85-90	June 25-July 15	20.00	20.00
Total				60.00	69.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Oilseeds					
Soybean	NRC 86	95-103		20.00	6.00
Total				20.00	6.00
Foundation seed					
Pulses					
Chickpea	JAKI 9218	112	First fortnight of Nov.	30.00	40.00
Total				30.00	40.00

45. Centre : ICAR- Directorate of Groundnut Research

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Summary

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	336.76	144.70	244.46	20.00	581.22	164.70
Truthfully labelled seed	40.00	34.60	-	-	40.00	34.60
Total	376.76	179.30	244.46	20.00	621.22	199.30

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Oilseeds					
Groundnut	Girnar-2	135 days	15 th June	59.00	111.40
	Girnar-3	120 days	15 th June	277.76	33.30
Total				336.76	144.70
Truthfully labelled seed					
Groundnut	TG-37A	110 days	1 st July	15.00	10.00

	GG-20	120 days	15 th June	25.00	24.60
Total				40.00	34.60

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Oilseeds					
Groundnut	Girnar-3	130	I st week of Feb.	244.46	20.00
Total				244.46	20.00

46. Centre : Central Arid Zone Research Institute
Jodhpur 342 003, Rajasthan

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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Truthfully labelled seed	125.00	155.00	-	-	125.00	155.00
Total	125.00	155.00	-	-	125.00	155.00

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Bajra	CZP 9802	85 days	July	20.00	12.00
Pulses					
Moong	IPM 2-3	60 days	July	30.00	50.00
Moth	CZM 2	65 Days	July Aug	25.00	50.00
Forage crops					
Guar	HG 2-20	85 Days	July	5.00	4.00
	RGC 1033	90 Days	July Aug	20.00	12.00

	RGM 112	90 days	July Aug		7.00
Grasses				25.00	20.00
Total				125.00	155.00

47. Centre : ICAR- Central Institute for Cotton Research
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	5.00	-	-	-	5.00
Certified seed	-	14.50	-	205.20	-	219.70
Truthfully labelled seed	-	11.57	-	-	-	11.57
Total	-	31.07	-	205.20	-	236.27
Farmers' field						
Truthfully labelled seed	-	5.08	-	-	-	5.08
Total	-	5.08	-	-	-	5.08

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed production	Certified seed production
Kharif 2016					
Fibre crops					
Cotton	CISA-310,614 , CICR2 (Male & Female) ,CNA 1003 (Roja)	160-170	10-20 th June	5.00	
Pulses					
Red Gram	BSMR-736	150-160D	3 rd week of June		14.50
Total				5.00	14.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Kharif 2016				
Fibre crops				
Cotton	Stock seeds of G.arboreum & G. hirsutum (53 Varieties) Suraj	160-170	10-20 th June	11.57
Total				11.57

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed production
Rabi 2016-17				
Cereals				
Wheat	HD2967	120-130D	September	180.00
Pulses				
Bengal Gram	Vijay	110-120D	October	25.20
Total				205.20

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed production
Kharif 2016				
Fibre crops				
Cotton	Phule Dhanvantry	160-170D	10-20 th June	5.08
Total				5.08

48. Centre : ICAR- Indian Institute of Oilseeds Research
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	-	2.93	5.00	2.93	5.00
Truthfully labelled seed	-	-	9.00	10.10	9.00	10.10
Total	-	-	11.93	15.10	11.93	15.10
Farmers' field	(in quintals)					
Certified seed	-	-	30.00	41.00	30.00	41.00
Truthfully labelled seed	-	-	75.00	118.22	75.00	118.22
Total	-	-	105.00	159.22	105.00	159.22

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Oilseed					
Castor	DCS-107	150-180	<i>Rabi</i>	0.20	1.00
	DPC-9 (Parental line)	150-180	Jan-Feb	0.50	0.85
	M-574 (Parental line)	150-180	Jan-Feb	0.50	0.75
Sunflower	DRSF 113	90-100	<i>Rabi</i>	0.83	0.58
	243 A (Parental line)	90-100	<i>Rabi</i>	0.50	0.96
	243 B (Parental line)	90-100	<i>Rabi</i>	0.20	0.46
	6 D-1 (Parental line)	90-100	<i>Rabi</i>	0.20	0.40
	DRSH-1	95-110	<i>Rabi</i>		
Sesame	YLM -66	90-100	<i>Summer</i>		
Total				2.93	5.00

				Truthfully labelled seed	
Oilseed					
Castor	DCS-107	150-180	<i>Rabi</i>	4.00	4.26
Sunflower	DRSH-1	95-110	<i>Rabi</i>	4.00	4.26
Sesame	YLM -66	90-100	<i>Summer</i>	1.00	1.58
Total				9.00	10.10

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
<i>Rabi 2016-17</i>					
Oilseed					
Sesame	GT-10	90-100	<i>Summer</i>	30.00	41.00
Total				30.00	41.00
Oilseed				Truthfully labelled seed	
Castor	DCH-177	180-210	Sept II FN	50.00	66.38
	DCH-519	180-210	Sept IIFN	20.00	39.84
Safflower	PBNS-12	120-140	<i>Rabi</i>	5.00	12.00
Total				75.00	118.22

**49. Centre : ICAR- Indian Institute of Rice Research
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Summary
Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	422.10	406.70	32.50	38.00	454.60	444.70
Total	422.10	406.70	32.50	38.00	454.60	444.70
Farmers' field						
Truthfully labelled seed	493.00	621.00	80.00	125.00	573.00	746.00
Total	493.00	621.00	80.00	125.00	573.00	746.00

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
<i>Kharif 2016</i>				
Cereals				
Paddy	DRR Dhan 44	June/July	44.50	63.00
	IR-64 (Drought)	June/July	150.00	55.00
	Akshayadhan (IET 19367)	June/July	2.50	3.00
	Dhanrasi (IET 15358)	June/July	0.50	0.50
	Improved Samba Mahsuri	June/July	37.00	37.00
	Jarava(IET 15420)	June/July	1.00	
	Jaya	June/July	15.00	8.40
	Masuri	June/July	2.20	2.10
	Rasi (IET 1444)	June/July	1.00	3.00
	Sampada (IET 19424)	June/July	43.00	63.80
	Varadhan (IET 18940)	June/July	3.00	3.00
	DRR Dhan 32	June/July	1.00	
	DRR Dhan 45	June/July	26.00	42.00
	DRR Dhan 39	June/July	15.00	8.40
	DRR Dhan 43	June/July	27.00	20.00
	DRR Dhan 46	June/July	19.00	24.00
	BINA Dhan 10	June/July	3.50	
	BINA Dhan 12	June/July	0.20	
	BINA Dhan 8	June/July	0.20	
	IET 5656(Swarndhan)	June/July	4.00	3.50
	Phalguna	June/July	0.50	
	Ciherang SUB- 1 (Binaadhan 11)	June/July	26.00	70.00
Total			422.10	406.70

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
<i>Rabi 2016-17</i>				
Cereals				
Paddy	DRR Dhan 39	Dec/Jan	8.00	9.00
	RP Bio 226	Dec/Jan	5.50	6.00
	DRR Dhan 42	Dec/Jan	1.50	2.00
	Rasi	Dec/Jan	4.00	5.00
	Krishna Hamsa	Dec/Jan	1.00	2.00

	Akshyadhan	Dec/Jan	8.50	9.00
	DRR Dhan 44	Dec/Jan	4.00	5.00
Total			32.50	38.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
			Target	Production
<i>Kharif 2016</i>				
Cereals				
Paddy	DRR Dhan 45	June/July	400.00	500.00
	Samba mahsuri (Imp.)	June/July	80.00	100.00
	DRR Dhan 43	June/July	1.00	2.00
	DRR Dhan 44	June/July	10.00	15.00
	DRR Dhan 39	June/July	2.00	4.00
Total			493.00	621.00

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
			Target	Production
<i>Rabi 2016-17</i>				
Cereals				
Paddy	Samba mahsuri (Imp)	Dec./Jan.	40.00	45.00
	IR 64 Drought	Dec./Jan.	15.00	20.00
	DRR Dhan 44	Dec./Jan.	5.00	10.00
	DRR Dhan 45	Dec./Jan.	20.00	50.00
Total			80.00	125.00

50. Centre : ICAR- Indian Institute of Millets Research
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Summary

Institute farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	-	17.87	59.03	17.87	59.03
Total	-	-	17.87	59.03	17.87	59.03
Farmers' field						
Breeder seed	-	-	25.00	52.00	25.00	52.00
Certified seed	-	-	150.00	5222.00	150.00	5222.00
Truthfully labelled seed	-	-	20.00	40.00	20.00	40.00
Total	-	-	195.00	5314.00	195.00	5314.00

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed	
			Target	Production
<i>Rabi 2016-17</i>				
Cereals				
Sorghum	296A	120	0.70	1.00
	296B	120	0.50	0.50
	CS 3541	120	0.35	0.50
	C 43	120	0.30	10.00
	CSV 15	120	2.50	5.00
	CSV 20	120	6.50	30.00
	CSV 24SS	120	0.10	1.00
	CSV 27	120	6.50	10.00
	38 A	120	0.01	0.02
	38 B	120	0.01	0.01
	415A	120	0.20	0.50
	415B	120	0.10	0.20
	CB 33	120	0.10	0.30
Total			17.87	59.03

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Certified seed	
			Target	Production	Target	Production
Rabi 2016-17						
Cereals						
Sorghum	CSV 17	105	10.00	10.00	20.00	30.00
	CSV 20	115			0.00	50.00
	CSV 23	115	5.00	5.00	10.00	12.00
	CSV 27	117	5.00	10.00	0.00	60.00
	CSV 32F	115	5.00	5.00		
	CSH 14	105			15.00	15.00
	CSH 16	115			25.00	25.00
	CSH 22SS	120			5.00	5.00
	CSH 24MF	45-65			50.00	5000.00
	CSH 25	120			15.00	15.00
	CSH 30	120			10.00	10.00
	Phule Revati	120		17.00		
Fodder crops						
Sorghum	Co (FS)29	45-60		1.00		
	MP Chari	45-60		4.00		
Total			25.00	52.00	150.00	5222.00

(in quintals)

Crop	Variety	Duration of variety (days)	Truthfully labelled seed	
			Target	Production
Rabi 2016-17				
Cereals				
Sorghum	CSV 20	115	10.00	10.00
	CSH 13	115	5.00	5.00
	Yellow Jowar	120	5.00	5.00
	SSV 74	120		20.00
Total			20.00	40.00

**51. Centre : ICAR- Sugarcane Breeding Institute
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Planting material	300.00	333.00	250.00	282.50	550.00	615.50
Total	300.00	333.00	250.00	282.50	550.00	615.50
Planting materials	(in lakh)					
Tissue culture	0.50	0.51	-	-	0.50	0.51
Total	0.50	0.51	-	-	0.50	0.51
Farmers' field	(in quintals)					
Planting material	2000.00	2210.00	5000.00	5952.50	7000.00	8162.50
Total	2000.00	2210.00	5000.00	5952.50	7000.00	8162.50

Panting material production at institute's farms

Crops	Variety	Planting material (in quintal)		Tissue culture plantlets (in lakh)	
		Target	Production	Target	Production
Kharif 2016		Breeder seed			
Sugarcane	Co 86032	200.00	210.00	-	-
	Co 0212	60.00	72.00	-	-
	Co 06030	30.00	35.00	-	-
	Co 0403	10.00	16.00	-	-
Sugarcane				0.50	0.507
Total		300.00	333.00	0.50	0.507
Rabi 2016-17					
Sugarcane	Co 86032	190.00	204.00	-	-
	Co 0212	30.00	42.50	-	-
	Co 06030	30.00	36.00	-	-
Total		250.00	282.50	-	-

Planting material production at farmer's field

(in quintals)

Crops	Variety	Target	Production
Kharif 2016			
Sugarcane	Co 86032	1100.00	1200.00
	Co 0212	450.00	460.00
	Co 06030	300.00	380.00
	Co 0403	150.00	170.00
Total		2000.00	2210.00
Rabi 2016-17			
Sugarcane	Co 86032	4000.00	4132.55
	Co 0212	600.00	1124.85
	Co 06030	400.00	695.10
Total		5000.00	5952.50

**52. Centre : ICAR- Indian Institute of Seed Science
Mau, 275103 (UP)**

**Nodal Officer: Dr. T.N. Tiwari
Senior Scientist**

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Summary
Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	30.00	37.20	20.00	20.50	50.00	57.70
Foundation seed	150.00	113.40	127.00	60.50	277.00	173.90
Certified seed	35.00	-	15.00	18.00	50.00	18.00
Truthfully labelled seed	38.00	22.00	10.00	8.60	48.00	30.60
Total	253.00	172.60	172.00	107.60	425.00	280.20
Farmers' field						
Foundation seed	215.00	140.20	415.00	299.53	630.00	439.73
Truthfully labelled seed	-	-	415.00	275.37	415.00	275.37
Total	215.00	140.20	830.00	574.90	1045.00	715.10

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Swarna Sub 1	150-155	Last week of June	20.00	24.00
	Shambha Sub 1	140-145	Last week of June	10.00	13.20
Total				30.00	37.20
Cereals					
Foundation seed					
Paddy	Swarna Sub 1	150-155	Last week of June	150.00	
	BPT 5204	140-150	Last week of June		13.20
	MTU 7029	150-155	Last week of June		26.00
	PB-1612	112-115	I st week of July		1.20
	HUR 105	130-135	Last week of June		7.20
	Imp. P B-1	135-140	I st week of July		21.00
	Pusa Basmati-4	130-135	I st week of July		8.10
	Pusa Sugandh-5	120-125	II nd week of July		7.50
	Pusa Basmati 1509	110-115	Last week of July		4.90
	Shiats 1	130-135	Last week of June		7.20
	CO 51	105-115	Last week of July		17.10
	Rajendra Sweta	140-145	Last week of June		0.00
	HUR 917	135-140	I st week of July		0.00
	Rajendra Bhagwati	110-115	II nd week of July		0.00
Total				150.00	113.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Swarna Sub 1	150-155	Last week of June	35.00	-
Total				35.00	-
Truthfully labelled seed					
Paddy	Swarna Sub 1	150-155	Last week of June	38.00	-
	Rajendra Sweta	140-145	Last week of June		8.00
	HUR 917	135-140	I st week of July		10.40
	Rajendra Bhagwati	110-115	II nd week of July		3.60
Total				38.00	22.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD 2967	130-140	15 Nov. to 25 Nov	20.00	20.50
Total				20.00	20.50
Foundation seed					
Cereals					
Wheat	HD 2967	130-140	15 Nov. to 25 Nov	115.00	
	HD 2967	130-140	10 Dec. to 25 Dec		10.00
	HD 3086	130-140	15 Nov. to 25 Nov		11.00
	PBW 154	120-125	15Nov. to 25 Nov		6.10
	PBW 373	120-125	15Nov. to 25 Nov		3.30
	WR 544	110-115	15Nov. to 25 Nov		2.00
	K 7903	135-140	15Nov. to 25 Nov		9.30
	NW 5054	135-140	15Nov. to 25 Nov		9.00
Pulses					
Field Pea	Prakash	125-130	I st week of Nov.	4.50	4.30
Lentil	DPL 62	125-130	I st week of Nov.	4.00	1.50
Oilseeds					
Mustard	Pusa Bold	135-140	Last week of Oct.	3.50	4.00
Total				127.00	60.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	HD 2967	130-140	15 Nov. to 25 Nov	15.00	
	HUW 234	120-125	1 Dec. to 30 Dec.		10.50
	DBW 39	130-145	1 Dec. to 30 Dec.		7.50
Total				15.00	18.00
Truthfully labelled seed					
Cereals					
Wheat	HD 2967	130-140	15 Nov. to 25 Nov	10.00	
	HD 3059	125-130	10 Dec. to 25 Dec		3.00
Pulses					
Chikpea	Pusa 362	125-130	I st week of Nov.		5.60

Total				10.00	8.60
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Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	BPT 5204	140-145	I st week of July	215.00	140.20
Total				215.00	140.20

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
<i>Rabi 2016-17</i>					
Cereals					
Wheat	HD 2967	129-143	15 Nov.to 25 Nov	415.00	89.05
	HD 3086	125-130	01 Dec. to 25 Dec		186.10
	PBW 502	125.13	15 Nov.to 25 Nov		24.38
Total				415.00	299.53
				Truthfully labelled seed	
Wheat	HD 2967	129-143	15 Nov.to 25 Nov	415.00	191.70
	PBW 502	125.13	15 Nov.to 25 Nov		83.67
Total				415.00	275.37

53. Centre : ICAR- Indian Institute of Maize Research

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Regional Maize Research and Seed Production Centre (DMR),

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Principal Scientist

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Summary

Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	3.50	4.00	35.00	51.40	38.50	55.40
Foundation seed	200.00	230.00	240.00	332.00	440.00	562.00
Truthfully labelled seed	40.00	45.00	60.00	70.00	100.00	115.00

Total	243.50	279.00	335.00	453.40	578.50	732.40
Farmers' field						
Truthfully labelled seed	115.00	117.00	-	-	115.00	117.00
Total	115.00	117.00	-	-	115.00	117.00

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
Kharif 2016				
Cereals				
Maize	HKI-163		3.50	4.00
Total			3.50	4.00
Foundation seed				
Oilseeds				
Soybean	PS-1042	15 th June to 15 th July	185.00	210.00
	PS-1225	15 th June to 15 th July	15.00	20.00
Total			200.00	230.00
Truthfully labelled seed				
Oilseeds				
Soybean	PS-1241	15 th June to 15 th July	40.00	45.00
Total			40.00	45.00

(in quintals)

Crop	Variety	Suitable planting window (sowing/ planting time)	Breeder seed	
			Target	Production
Rabi 2016-17				
Cereals				
Maize	HKI-193-1	Last week of Oct.	20.00	30.00
	HKI-163	Last week of Oct	10.00	18.00
	BML-6	Last week of Oct.	2.75	1.00
	BML-7	Last week of Oct.	2.00	2.00
Sweet corn	WOSC	First week of Nov.	0.25	0.40
Total			35.00	51.40
Foundation seed				
Wheat	HD-2967	25 th Oct-20 th Nov	235.00	320.00
	DBW-107	15 th Nov-15 th Dec	5.00	12.00
Total			240.00	332.00
Truthfully labelled seed				
Wheat	HD-2733	25 th Oct-20 th Nov	60.00	70.00
Total			60.00	70.00

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Oilseeds					
Soybean		PS-1042	15 th June to 15 th July	100.00	105.00
		PS-1241	15 th June to 15 th July	15.00	12.00
Total				115.00	117.00

**54. Centre : ICAR- Central Coastal Agricultural Research Institute
Ela, Old Goa 403 402**

**Nodal Officer: Dr. Manohara, K.K.
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Summary
Institute farms

(in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	-	-	9.00	6.00	9.00	6.00
Foundation seed	24.00	16.10	1.00	1.00	25.00	17.10
Total	24.00	16.10	10.00	7.00	34.00	23.10
Farmers' field						
Truthfully labelled seed	20.00	28.00	5.00	7.00	25.00	35.00
Total	20.00	28.00	5.00	7.00	25.00	35.00
Planting materials						
Planting material	0.05	0.10	-	-	0.05	0.10
Total	0.05	0.10	-	-	0.05	0.10

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Karjat-3	120-125	June/July	10.00	7.00

	Jyothi	115-120	June/July	10.00	7.10
	Vytilla	130-135	June/July	4.00	2.00
Total				24.00	16.10

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	Goa dhan-1	135-140	January	3.00	3.00
	Goa dhan-2	130-135	January	3.00	2.00
Pulses					
Cowpea	Goa Cowpea- 3	100	December	3.00	1.00
Total				9.00	6.00
Foundation seed					
Pulses					
Green gram	TM-96-2	70-80	January	0.50	0.60
	IPM -2-14	75-85	January	0.50	0.40
Total				1.00	1.00

Planting material

(in lakh)

Crops	Variety	Target	Production
Kharif 2016			
Hybrid Napiers	IGFRI-3, 7, DHN-6, CO-3, CO-4	0.05	0.10
Total		0.05	0.10

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Karjat-3	120-125	June	10.00	13.00
	Jyothi	115-120	June	10.00	15.00
Total				20.00	28.00
Rabi 2016-17					
Pulses					
Cowpea	Goa cowpea-3	100	December	5.00	7.00
Total				5.00	7.00

55. Centre : ICAR- Central Island Agricultural Research Institute
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Summary

Institute farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	4.75	3.79	0.70	1.26	5.45	5.05
Truthfully labelled seed	1.10	1.21	-	-	1.10	1.21
Total	5.85	5.00	0.70	1.26	6.55	6.26
Farmers' field						
Truthfully labelled seed	57.00	56.54	3.50	2.25	60.50	58.79
Total	57.00	56.54	3.50	2.25	60.50	58.79

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
<i>Kharif 2016</i>					
Cereals					
Paddy	CARI Dhan 1	125	June	0.15	0.06
	CARI Dhan 2	120	June	0.20	0.25
	CARI Dhan 3	125	June	0.35	0.05
	CARI Dhan 4	140	July	0.30	0.49
	CARI Dhan 5	145	July	0.50	0.55
	CARI Dhan 6	125	June	0.50	0.36
	CARI Dhan 7	125	June	0.35	0.36
	CARI Dhan 8	200	July	1.00	0.37
	CARI Dhan 9	200	July	1.00	0.57
	CSR 36	140	July	0.10	0.30
	Gayatri	135	July	0.30	0.43
Total				4.75	3.79
Truthfully labelled seed					
Paddy	CARI Dhan 2	120	June		0.35

	CARI Dhan 6	125	June	0.30	0.16
	CARI Dhan 7	125	June	0.40	0.50
	CARI Dhan 8	200	July	0.20	0.10
	CARI Dhan 9	200	July	0.20	0.10
Total				1.10	1.21

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Pulses					
Green gram	CIARI Mung 1	66-70	November	0.10	0.19
	CIARI Mung 2	66-70	November	0.10	0.15
	CIARI Mung 3	64-68	November	0.10	0.16
	CIARI Mung 4	64-68	November	0.10	0.24
	CIARI Mung 5	64-68	November	0.10	0.17
Black Gram	CIARI Urd 1	75-80	November	0.10	0.19
	CIARI Urd 2	75-80	November	0.10	0.16
Total				0.70	1.26

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	CARI Dhan 4	140	July	7.00	8.20
	CARI Dhan 5	145	July	10.00	8.00
	CARI Dhan 6	125	June	8.00	8.49
	CARI Dhan 7	125	June	12.00	11.60
	CARI Dhan 9	180	July	2.00	2.25
	CSR 36	135	July	5.00	8.00
	Gayatri	135	July	13.00	10.00
Total				57.00	56.54

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Pulses					
Green gram	CIARI Mung 1	66-70	November	0.50	0.33
	CIARI Mung 2	66-70	November	0.50	0.33
	CIARI Mung 3	66-70	November	0.50	0.34
	CIARI Mung 4	66-70	November	0.50	0.30
	CIARI Mung 5	66-70	November	0.50	0.34
Black Gram	CIARI Urd 1	75	November	0.50	0.30
	CIARI Urd 2	75	November	0.50	0.31
Total				3.50	2.25

56. Centre : Vasantdada Sugar Institute
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Summary

Institute farms (in lakh)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Planting material	97.80	75.82	-	-	97.80	75.82
Total	97.80	75.82	-	-	97.80	75.82

Planting material production at institute's farms

(in lakh)

Crops	Variety	Target	Production
Sugarcane		Breeder seed distribution 2016-17	
	CoC 671	2.00	1.00
	Co 86032	50.00	40.91
	CoM 265	20.00	17.27
	CoVSI9805	0.25	0.00
	VSI 434	0.75	0.01
	CoVSI03102	0.00	0.00
	VSI08005	12.00	1.30

	MS10001	0.50	0.00
		Single bud seedling 2016-17	
	CoC 671	0.10	0.03
	Co 86032	3.00	1.48
	CoM 265	1.50	0.38
	CoVSI9805	0.10	0.01
	VSI 434	0.10	0.00
	CoVSI03102	0.00	0.00
	VSI08005	7.00	12.48
	MS10001	0.50	0.95
Total		97.80	75.82

57. New Centre : University of Agricultural Sciences
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Summary

Institute farms

(in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Foundation seed	1060.00	1260.43	124.00	142.00	1184.00	1402.43
Certified seed	2278.00	1888.00	330.00	350.00	2608.00	2238.00
Truthfully labelled seed	960.83	706.65	-	104.50	960.83	811.15
Total	4298.83	3855.08	454.00	596.50	4752.83	4451.58
Farmers' field						
Foundation seed	810.00	639.25	25.00	88.00	835.00	727.25
Certified seed	2900.00	3250.25	700.00	1211.00	3600.00	4461.25
Truthfully labelled seed	610.00	657.00	500.00	783.00	1110.00	1440.00
Total	4320.00	4546.50	1225.00	2082.00	5545.00	6628.50

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	GGV 05-01	130-135	June-July	900.00	1106.75
	BPT5204	140-150	June-July	60.00	54.00
Pulses					
Redgram	TS3R	145-150	June-July	30.00	41.00
Greengram	BGS9	70-75	June-July	60.00	57.08
Blackgram	DU 1	75-80	June-July	10.00	1.60
Total				1060.00	1260.43
Certified seed					
Cereals					
Paddy	GGV 05-01	130-135	June-July	1800.00	1625.00
	BPT5204	140-150	June-July	140.00	113.00
Foxtail millet	HMT100-1	100-110	Sept-Oct	8.00	0.00
Pulses					
Redgram	TS3R	145-150	June-July	80.00	60.00
Greengram	BGS9	70-75	June-July	250.00	65.00
Sunflower	RSFH 1887	95-100			25.00
Total				2278.00	1888.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	GGV 05-01	130-135	June-July	400.00	162.00
	GNV 10-89	115-120	June-July	110.00	130.75
Foxtail millet	HMT100-1	100-110	Sept-Oct	5.00	12.00
Pulses					
Redgram	TS3R	145-150	June-July	1.78	1.80
	Maruthi	170-175	June-July	1.15	1.20
	GRG811	160-170	June-July	300.00	250.00
Greengram	BGS9	70-75	June-July	100.00	110.00
Blackgram	DU 1	75-80	June-July	36.00	32.00
Sunflower	RSFH 1887	95-100		6.90	6.90
Total				960.83	706.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Cereals					
Sorghum	M 35-1	120-125	Sept.-Oct.	24.00	32.00
Pulses					
Benagalgram	JG11	90-100	Oct.-Nov.	100.00	90.00
	BGD 103	90-95	Oct.-Nov.		20.00
Total				124.00	142.00
Certified seed					
Cereals					
Sorghum	M 35-1	120-125	Sept.-Oct.	230.00	225.00
Pulses					
Benagalgram	JG11	90-100	Oct.-Nov.	100.00	125.00
Total				330.00	350.00
Truthfully labelled seed					
Cereals					
Sorghum	M 35-1	120-125	Sept.-Oct.		100.00
Oilseeds					
Safflower	S 144	125-130	Sept.-Oct.		4.50
Total				0.00	104.50

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Pulses					
Redgram	TS3R	145-150	June-July	200.00	47.00
Greengram	BGS9	70-75	June-July	50.00	22.50
Blackgram	DU 1	75-80	June-July	10.00	
Oilseed					
Soybean	JS 335	85-90	June-July	300.00	359.50
	DSB 21	90-95	June-July	250.00	210.25
Total				810.00	639.25
Certified seed					
Pulses					
Redgram	TS3R	145-150	June-July	1600.00	2342.50
Greengram	BGS9	70-75	June-July	50.00	116.00

Oilseed					
Soybean	JS 335	85-90	June-July	600.00	500.00
	DSB 21	90-95	June-July	650.00	250.00
Sunflower	KBSH 53	90-95	Aug.-Sept.		41.75
Total				2900.00	3250.25

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Foxtail millet	HMT100-1	100-110		45.00	45.00
	DHFT 109-3	90-95		15.00	15.00
Pulses					
Redgram	GRG811	160-170	June-July	300.00	315.00
Greengram	BGS9	70-75	June-July	250.00	282.00
Total				610.00	657.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Rabi 2016-17					
Pulses					
Benagalgram	JG11	90-100	Oct.-Nov.		88.00
	BGD 103	90-95	Oct.-Nov.	25.00	
Total				25.00	88.00
Certified seed					
Pulses					
Benagalgram	JG11	90-100	Oct.-Nov.	500.00	791.00
	GBM2	100-110	Sept.-Oct.		200.00
	BGD 103	90-95	Oct.-Nov.	200.00	220.00
Total				700.00	1211.00
Truthfully labelled seed					
Cereals					
Sorghum	GS 23 (pre-release)	120-125	Sept.-Oct.		110.00
Oilseeds					
Safflower	A 1	125-130	Sept.-Oct.		63.00
Pulses					
Benagalgram	JG11	90-100	Oct.-Nov.		450.00

	GBM2	100-110	Sept.-Oct.	500.00	150.00
	BGD 103	90-95	Oct.-Nov.		10.00
Total				500.00	783.00

58. New Centre : Rajmata Vijayaraje Scindia Krishi Vishwa Vidhyalaya
Opposite Mela Ground, Race Course Road,
Gwalior 474002 Madhya Pradesh

Nodal Officer: Dr. V.S. Kandalkar
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	2760.00	3947.80	3074.00	5970.30	5834.00	9918.10
Truthfully labelled seed	-	15.50	0.00	27.18	-	42.68
Total	2760.00	3963.30	3074.00	5997.48	5834.00	9960.78

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Kranti	120-125	July-August	50.00	1050.00
Pulses					
Moong	TJM-3	70-75	1 – 30 June	10.00	164.80
Oilseeds					
Soybean	JS 95-60	85-90	1 – 30 June	1800.00	1146.00
	JS 93-05	90-95	1 – 30 June	300.0	525.00
	JS 335	95-100	1 – 30 June	300.00	282.00
	RVS2001-4	85-90	1– 30 June	600.00	780.00
Total				2760.00	3947.80
Truthfully labelled seed					
Oilseeds					
Sesame	TKG 55	110-115	1 – 30 June		14.00
	TKG 22	110-115	1 – 30 June		1.50
Total				0.00	15.50

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Wheat	MP 4010	110-115	15 Nov- 5 Dec	5.00	12.00
	RVW 4106	110-115	15 Nov - 5 Dec	150.00	428.00
	MP 1203	115-120	15 Nov-5 Dec	160.00	555.00
	GW 322	110-115	30 Oct -15 Nov	122.00	330.00
	GW 366	115-120	30 Oct -15 Nov	220.00	999.00
	Lok 1	110 -115	1 Nov - 5 Dec	120.00	1003.00
	Sujata	115-120	15 Nov - 5 Dec	2.00	7.00
Pulses					
Gram	JAKI 9218	110	30 Oct – 15 Nov	586.00	847.00
	RVG 201	115	30 Oct – 15 Nov	128.00	129.00
	RVG 202	115	30 Oct – 15 Nov		207.00
	RVG 203	115	30 Oct – 15 Nov	93.00	13.00
	JG 16	120	30 Oct – 15 Nov	286.00	305.00
	JG 11	110	30 Oct – 15 Nov	500.00	147.00
	JG130	115	30 Oct – 15 Nov	469.00	892.00
	JG 6	110	30 Oct – 15 Nov	223.00	12.00
Lentil	RVL31		1 Oct – 30 Oct	10.00	20.00
	JL-3		1 Oct – 30 Oct		2.50
Oilseeds					
Mustard	RVM 2	120	1 Oct – 30 Oct		12.30
	JM 2	120	1 Oct – 30 Oct		0.50
	JM 3	120	1 Oct – 30 Oct		15.00
Toria	JT 1	120	1 Oct – 30 Oct		34.00
Total				3074.00	5970.30
Truthfully labelled seed					
Oilseeds					
Mustard	MP28	--	--		23.78
	MP 30	--	--		3.40
Total				0.00	27.18

59. New Centre : Bihar Agricultural University
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	240.38	244.00	1000.00	305.00	1240.38	549.00
Foundation seed	580.00	2514.00	900.00	1505.00	1480.00	4019.00
Certified seed	-	1200.00	-	1085.00	-	2285.00
Truthfully labelled seed	-	150.00	-	255.00	-	405.00
Total	820.38	4108.00	1900.00	3150.00	2720.38	7258.00

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
Kharif 2016						
Cereals						
Paddy	Sugandha	150-155	4.00			
	R.Bhagwati-1	110-115	8.00			
	RAU-724	140-145	12.00		40.00	
	Swarna Sub-1	155-160	4.00	12.00	100.00	150.00
	P.Sugandh-5	125-130	11.00		25.00	
	Satyam	140-145	1.00			
	MTU-7029	155-160	5.00	5.00	100.00	110.00
	MTU-1001	140-145	5.00	2.00	50.00	
	Shahbhagi	115-120	10.00	2.00	20.00	50.00
	R.Kastruri	120-125	11.00	8.00	13.00	15.00
	R.Suwasini	118-120	15.00	10.00		
	R.Mahsuri	155-160	28.00	30.00		650.00
	MTU-1010	120-125	5.50	2.00		
	R.Sweta	135-140	60.00	160.00	200.00	1500.00
	S.Surbhit	115-120	8.40	3.00		
S.Ardhjal	120-125	20.00	10.00			
RAU-3055	130-135	6.50				

	Sita	135-140	19.50			
	Prabhat	95-100	1.50			
Pulses						
Moong	Samrat	60-65	2.00			
Arhar	Malviya-13	235-240			15.00	30.00
	Bahar	265-275			15.00	
Oil seeds						
Groundnut	R 20		0.60			
	ICGV 9346		0.02			
	ICGV 2266		0.07			
	JL 24	95-100	0.02			
	DH 86		0.03			
	ICGV 91114	90-95	0.04			
	ICGV 89280		0.20			
Til	(Shekhar)		2.00			5.00
Fibre crops						
Jute	JRO-204				2.00	4.00
Total			240.38	244.00	580.00	2514.00

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed production	Truthfully labelled seed production
<i>Kharif 2016</i>				
Cereals				
Paddy	MTU-7029	155-160	300.00	
	MTU-1001	140-145	100.00	
	R.Mahsuri	155-160	200.00	
	MTU-1010	120-125	100.00	
	R.Sweta	135-140	500.00	
	S.Surbhit	115-120		50.00
	S.Ardhjal	120-125		100.00
Total			1200.00	150.00

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed		Foundation seed	
			Target	Production	Target	Production
<i>Rabi 2016-17</i>						
Cereals						
Wheat	HD-2733	125-130	200.00			
	HI-1563	110-115		5.00		200.00



	PBW-343	125-130	100.00			
	HD-2985	110-115	300.00		200.00	
	HD-2967	125-130	200.00	10.00	600.00	550.00
	DBW-107	110-115		25.00		100.00
	DBW-14	110-115	100.00			300.00
Pulses						
Gram	BG-256	140-150				50.00
	PG-186	135-145				150.00
Lentil	HUL-57	125-130	80.00	150.00	50.00	75.00
	Arun	110-120	20.00	100.00	50.00	80.00
Oil seeds						
Mustard	R Suflam	105-115		15.00		
Total			1000.00	305.00	900.00	1505.00

(in quintals)

Crop	Variety	Duration of variety (days)	Certified seed production	Truthfully labelled seed production
Rabi 2016-17				
Cereals				
Wheat	Sabour Samridhi	120-125		50.00
	Sabour Shrestha	105-110		100.00
	Sabour Nirjal	120-130		100.00
	HD-2733	125-130	200.00	
	HI-1563	110-115	100.00	
	HD-2985	110-115	100.00	
	HD-2967	125-130	200.00	
	DBW-107	110-115	100.00	
	DBW-14	110-115	100.00	
Pulses				
Gram	BG-256	140-150	100.00	
	PG-186	135-145	100.00	
Lentil	HUL-57	125-130	45.00	
	Arun	110-120	40.00	
Oil seeds				
Linseed	Sabour Tisi-1			5.00
Total			1085.00	255.00

60. New Centre : Pandit Jawaharlal Nehru College of Agriculture and Research Institute (PAJANCOA & RI), Karaikal, 609603 Puducherry (UT)

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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	3.00	11.24	6.00	24.10	9.00	35.34
Foundation seed	6.00	6.00	5.00	5.40	11.00	11.40
Certified seed	3.00	3.30	-	-	3.00	3.30
Truthfully labelled seed	2.00	2.00	24.00	28.95	26.00	30.95
Total	14.00	22.54	35.00	58.45	49.00	80.99
Planting materials	(in lakh)					
Planting material	0.05	0.05	-	-	0.05	0.05
Total	0.05	0.05	-	-	0.05	0.05
Farmers' field	(in quintals)					
Truthfully labelled seed	10.00	11.00	30.00	33.58	40.00	44.58
Total	10.00	11.00	30.00	33.58	40.00	44.58

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	ADT 37	115	June-July	1.00	3.50
	ADT 43	115	June-July	1.00	4.34
	ADT (R) 45	115	June-July	1.00	3.40
Total				3.00	11.24
Foundation seed					
Cereals					
Paddy	ADT 37	115	June-July	3.00	3.00
	ADT (R) 45	115	June-July	3.00	3.00
Total				6.00	6.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	ADT 43	115	June-July	3.00	3.30
Total				3.00	3.30
Truthfully labelled seed					
Forage crops					
Cow pea	CO (FC) 8			1.00	1.00
Maize	African tall			1.00	1.00
Total				2.00	2.00

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	CR 1009	155	July-August	2.00	8.10
	I.W.Ponni	140	Aug-Sep	2.00	5.00
	ADT (R) 46	135	Aug-Sep	1.00	6.00
	ADT 39	125	September	1.00	5.00
Total				6.00	24.10
Foundation seed					
Cereals					
Paddy	CR 1009 Sub 1	155	July-August	5.00	5.40
Total				5.00	5.40

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	I.W.Ponni	140	Aug-Sep	15.00	19.00
	TKM 13	135	Aug-Sep	5.00	5.00
	CO (R) 50	135	Aug-Sep	2.00	2.75
	MTU 1010	125	September	1.00	1.20
Fiber crops					
Sunn hemp				1.00	1.00
Total				24.00	28.95

Planting material

(in lakh)		
Crops	Target	Production
Kharif 2016 Univ.		
Fodder crops	0.05	0.05
Total	0.05	0.05

Quality seed production at farmer's field

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	ADT (R) 45	115	June-July	10.00	11.00
Total				10.00	11.00

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Cereals					
Paddy	I.W.Ponni	140	Aug-Sep	10.00	10.40
	ADT (R) 46	135	Aug-Sep	10.00	13.38
	I.Samba Mahsuri	135	Aug-Sep	10.00	9.80
Total				30.00	33.58

61. New Centre : University of Agricultural and Horticultural Sciences, Shimoga, Karnataka, India.

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Summary
Institute farms (in quintals)

Particulars	<i>Kharif 2016</i>		<i>Rabi 2016-17</i>		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	275.00	226.26	-	-	275.00	226.26
Foundation seed	201.00	180.73	-	-	201.00	180.73

Certified seed	3750.00	3373.17	-	-	3750.00	3373.17
Truthfully labelled seed	1163.00	1056.47	-	-	1163.00	1056.47
Planting material	50.00	46.35	-	-	50.00	46.35
Total	5439.00	4882.98	-	-	5439.00	4882.98
Farmers' field						
Foundation seed	5.00	0.30	-	-	5.00	0.30
Certified seed	2500.00	2149.89	270.00	213.00	2770.00	2362.89
Total	2505.00	2150.19	270.00	213.00	2775.00	2363.19

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Tunga	150-155	June	30.00	27.00
	Mo-4	130-135	1 st week June	15.00	10.00
	Champaka	130-135	2 nd week June	10.00	5.00
	JGL-1798	130-135	1 st week August	10.00	5.75
	KPR-1	140-145	June-July	20.00	15.25
	KHP-2	145-50	June	15.00	13.00
	KHP-5	145-150	3 rd week June	6.00	5.00
	IET-7191	150-155	June	5.00	2.00
Maize	SA Tall	120-140	June	70.00	59.00
Pulses					
Green gram	KKM-3	65-70	April-May	2.00	1.90
Bengal gram	JG-11	95-100	2 nd week October	25.00	22.73
	JG-14			2.00	1.95
Black gram	Rashmi	70-75	May-August	6.00	5.60
Field bean	HA-4	95-105	August	2.00	1.05
Oilseeds					
Groundnut	G-2-52	95-100	May-July	10.00	9.50
	JL-24	95-100	May-July	20.00	18.30
	ICGV-91114	95-100	June-July	2.00	1.13
Soybean	DSB-21	100-110	2 nd week June	5.00	4.50
	JS-335	100-110	2 nd week June	20.00	17.60
Niger	KBN-1	80-90	Last week June		
Total				275.00	226.26

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Tunga	150-155	June	50.00	44.25
Ragi	ML-365	105-110	June-Aug	10.00	9.40
	GPU-48	100-105	Aug-oct & Jan-Feb	5.00	4.00
	GPU-28	110-115	July-Aug	20.00	16.75
Pulses					
Red gram	BRG-2	150-170	May-June	80.00	75.66
	BRG-4	120-130	May-June	35.00	30.37
Green gram	KKM-3	65-70	April-May	1.00	0.30
Total				201.00	180.73

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Tunga	150-155	June	120.00	116.50
	Jyothi	100-105	October	1000.00	957.38
	Mo-4	130-135	1 st week June	80.00	71.25
	JGL-1798	130-135	1 st week August	2000.00	1734.86
	MTU-1001	130-135	2 nd week July	300.00	260.97
Ragi	MR-1	120-125	June-July	15.00	12.00
	GPU-28	110-115	July-Aug	15.00	13.30
Maize	SA Tall	120-140	June	100.00	92.00
Pulses					
Black gram	Rashmi	70-75	May-August	100.00	96.19
Soybean	JS-335	100-110	2 nd week June	20.00	18.72
Total				3750.00	3373.17

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Cereals					
Paddy	Tunga	150-155	June	70.00	68.00

	Jyothi	100-105	October	70.00	65.00
	Mo-4	130-135	1 st week June	400.00	370.00
	Champaka	130-135	2 nd week June	25.00	20.00
	KPR-1	140-145	June-July	300.00	281.50
	KHP-2	145-50	June	40.00	37.25
	KHP-10	145-150	3 rd week June	100.00	95.50
	IET-sanna (KHP-11)	155-160	2 nd week June	30.00	25.00
Ragi	MR-6	120-125	June-July	12.00	10.50
	ML-365	105-110	June-Aug	20.00	19.15
	GPU-67			2.00	1.00
	GPU-28	110-115	July-Aug	2.00	1.50
Foxtail millet	SIA-2644		June	10.00	5.40
	HMT 100-1			5.00	2.50
Pulses					
Red gram	BRG-2	150-170	May-June	6.00	5.54
	BSMR -736	120-130	May-June	1.00	0.27
Green gram	KKM-3	65-70	April-May	5.00	2.35
Bengal gram	JG-11	95-100	2 nd week October	20.00	15.00
	JG-14				
Black gram	Rashmi	70-75	May-August	10.00	8.50
Horse gram	PHG-9	100-105	September	1.00	0.50
Cowpea	KBC-2	95-100	August	2.00	1.38
Field bean	HA-4	95-105	August	1.00	0.45
Oilseeds					
Groundnut	G-2-52	95-100	May-July	6.00	5.50
	GKVK-5			2.00	1.24
	TMV-2	95-100	June-July	8.00	5.30
Soybean	JS-335	100-110	2 nd week June	5.00	1.30
Niger	KBN-1	80-90	Last week June	5.00	3.60
Forage crops					
Sorghum	CoFS-29	100-110	1st fortnight of Oct.	2.00	1.16
Green manure					
Sunhemp				3.00	2.08
Total				1163.00	1056.47

Planting material

(in quintal)			
Crops	Variety	Target	Production
Kharif 2016			
Sugarcane	Co-86032	50.00	46.35
Total		50.00	46.35

Quality seed production at farmer's field

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Pulses					
Green gram	KKM-3	65-70	April-May	5.00	0.30
Total				5.00	0.30
Certified seed					
Cereals					
Paddy	Tunga	150-155	June	1200.00	1023.95
Pulses					
Redgram	BRG-2	150-170	May-June	1300.00	1125.94
Total				2500.00	2149.89

(in quintals)					
Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Certified seed	
				Target	Production
Rabi 2016-17					
Pulses					
Blackgram	Rashmi	70-75	May-August	200.00	150.00
Oilseeds					
Groundnut	ICGV-91114			70.00	63.00
Total				270.00	213.00

62.New Centre : ICAR Res. Complex for NEH Region
 Umroi Road, Ri-Bhoi-793103, Meghalaya,
 ICAR Research Complex for NEH Region
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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	35.05	44.65	0.60	0.80	35.65	45.45
Foundation seed	3.60	5.65	0.00	0.00	3.60	5.65
Certified seed	0.00	0.00	0.60	1.20	0.60	1.20
Truthfully labelled seed	110.50	147.75	1.30	29.55	111.80	177.30
Total	149.15	198.05	2.50	31.55	151.65	229.60
Farmers' field						
Breeder seed	206.25	231.27	17.00	20.00	223.25	251.27
Foundation seed	3.00	3.90	-	-	3.00	3.90
Certified seed	830.00	942.83	4.60	5.50	834.60	948.33
Truthfully labelled seed	5634.50	3961.83	490.92	449.33	6125.42	4411.16
Total	6673.75	5139.83	512.52	474.83	7186.27	5614.66

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Manipur Centre					
Cereals					
Paddy	RC Maniphou-4	115	Feb-Apr.	6.00	7.00
	RC Maniphou-5	115	Feb-Apr.	4.00	4.00
	RC Maniphou-6	120	Jun-Aug.	2.00	2.00
	RC Maniphou-7	130	Jul.-Sept	4.00	4.00
	RC Maniphou-10	125	Jun.-July	7.00	9.00
	RC Maniphou-12	110	Feb-Aug.	5.00	6.00
	RC Maniphou-13	120	Jun.-July	3.00	3.00
Maize	Pusa Composite-3	120	Apr -June	0.50	0.80

	RCM-1-76	120	Apr -June	0.45	5.00
Oilseeds					
Soybean	JS-335	125	May-June	0.70	0.90
Sikkim Centre					
Cereals					
Maize	MA 8-1	120-125	1st week of Nov.	0.20	0.18
	MS 4-1			0.10	0.11
	MS 1-1			0.10	0.12
Pulses					
Black gram	SKPD 3	116-123	1st week of Aug.	1.00	1.28
Rajmash	SKR-57	100-108	2nd week of Sept.	1.00	1.26
Total				35.05	44.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Sikkim Centre					
Cereals					
Maize	Vivek Sankul 31	106-113	Second week of March	0.60	2.21
	RCM 1-3	110-118		1.00	1.26
Oilseeds					
Soybean	RCS 1-10	112-120	1st week of Aug.	2.00	2.18
Total				3.60	5.65

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Nagaland Centre					
Cereals					
Paddy	RC Maniphou-7	140-150	June	100.00	95.00
Pulses					
Green gram	Pratap	70-80	September		3.00
Oilseeds					
Soybean	JS-335	110-120	July	5.00	2.00
Mizoram Centre					
Cereals					
Rice	Gomati				20.00

	Shasharang				1.50
	CAU-R1				1.00
	CAU-R2				1.00
	CAU-R4				1.00
	RCManiphou-7				1.00
	RCManiphou-10				0.50
	Bhalum-2				0.50
	Bhalum-3				0.50
Maize	RCM-75				6.00
	RCM-76				4.00
Pulses					
Green gram	TRM-1				1.00
Black gram	Tripura Maskolai 1				0.75
Oilseeds					
Groundnut	ICGS-76				1.25
Soybean	JS-335				1.00
Sikkim Centre					
Cereals					
Maize	Vivek Sankul 31	106-113	2nd week of March	2.00	2.27
	RCM 1-3	110-118		2.00	2.38
Pulses					
Black gram	SKPD 3	116-123	1st week of Aug.	1.00	1.38
Green manure					
Sesbania				0.50	0.72
Total				110.50	147.75

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Manipur center					
Oilseeds					
Rapeseed	M-27	95	Oct-Nov	0.60	0.80
Total				0.60	0.80
Certified seed					
Sikkim Centre					
Oilseeds					
Yellow sarson	B-9			0.60	1.20
Total				0.60	1.20

(in quintals)

Crop	Variety	Truthfully labelled seed	
		Target	Production
Rabi 2016-17			
Oilseeds			
Rapeseed	M-27	0.80	1.00
Mizoram Centre			
Cereals			
Maize	RCM-75		4.00
	RCM-76		3.00
Pulses			
Pea	Arkel		1.25
	Rachna		0.95
	VL 42		0.95
	HUDP-15		0.50
	Prakash		0.50
Lentil	DPL-62		1.00
	IPL-81		1.20
	IPL-15		0.50
	HUL-57		0.55
Chickpea	JG-14		0.40
	JG-11		0.50
	IPC-97-67-11		0.95
Oilseeds			
Rapeseed	M-27		3.55
Mustard	P-27		1.85
	NPJ-113		1.75
Forage crops			
Bajra	Nutrifeed		1.00
Oat	Kent		0.50
Other crops			
French bean	MZF 48		2.85
Sikkim Centre			
Cereals			
Buckwheat	Meethe	0.50	0.80
Total		1.30	29.55

Quality seed production at farmer's field

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Kharif 2016					
Manipur Centre					
Oilseeds					
Soybean	JS 335	125	May-June	0.25	0.27
Tripura Centre					
Cereals					
Paddy	Gomatidhan (TRC 2005-1 / IET 21512)			80.00	93.00
	Tripura Khara 1 (IET 22837)			4.00	5.10
	Tripura Khara 2 (IET 22835)			8.00	3.10
	Tripura Jala 1 (IET 22167)			3.00	2.20
	Tripura Chikan Dhan (IET 22112)			30.00	47.10
	Tripura Sarat (IET 22113)			8.00	4.60
	Tripura Nirog (IET 22580)			25.00	29.70
	Tripura Hakuchuk 1 (TRC 2013-4)			4.00	5.20
	Tripura Hakuchuk 2 (TRC 2013-5)			4.00	1.80
	Tripura Aush (TRC 2013-12)			10.00	7.60
Pulses					
Moong	Tripura Maskolai 1			20.00	17.00
	Tripura Mung 1			10.00	14.60
Total				206.25	231.27

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Foundation seed	
				Target	Production
Kharif 2016					
Sikkim Centre					
Pulses					
Rajmash	Tripura Rajmash Sel-1	100-110		3.00	3.90
Total				3.00	3.90
Certified seed					
Manipur Centre					
Cereals					
Paddy	RC Maniphou-7	140	June-July	300.00	334.40
	RC Maniphou-10	125	June-July	300.00	344.23
	RC Maniphou-12	95	Feb-March	200.00	218.90
	RC Maniphou-13	125	June-July	30.00	45.30
Total				830.00	942.83

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Kharif 2016					
Manipur center					
Pulses					
Blackgram	Tripura Maskalai selection-1	80	June-July	1.00	1.17
Oilseeds					
Groundnut	Icgs-76	120	May-June	100.00	108.96
Tripura Centre					
Cereals					
Paddy	Gomatidhan (TRC 2005-1 / IET 21512)			5000.00	3191.00
	Tripura Khara 1 (IET 22837)			10.00	12.90
	Tripura Khara 2 (IET 22835)			25.00	
	Tripura Jala 1 (IET 22167)			12.00	2.00
	Tripura Chikan Dhan (IET 22112)			140.00	230.00

	Tripura Sarat (IET 22113)			25.00	4.00
	Tripura Nirog (IET 22580)			90.00	94.00
	Tripura Hakuchuk 1 (TRC 2013-4)			12.00	7.80
	Tripura Hakuchuk 2 (TRC 2013-5)			12.00	7.20
	Tripura Aush (TRC 2013-12)			70.00	3.40
Pulses					
	Tripura Maskolai 1			30.00	6.20
	Tripura Mung 1			20.00	4.30
Oilseeds					
Sesame	Tripura Siping			8.00	11.40
Nagaland Centre					
Cereals					
Paddy	RCM 9	140-150	July		28.00
Pulses					
Rajmash	Local	120 -130	August	30.00	7.00
Oilseeds					
Soybean	JS335	110-120	July		5.00
Mizoram Centre					
Cereals					
Paddy	Gomati				60.00
	CAU-R1				25.00
	Bhalum-3				10.00
Maize	RCM-75				10.00
	RCM-76				22.00
Pulses					
Green gram	TRM-1				12.00
Black gram	Tripura Maskolai 1				11.00
Oilseeds					
Groundnut	ICGS-76				13.00
Soybean	JS-335				11.00
Other crops					
Frenchbean	MZF-48 (Local)				4.50
Sikkim Centre					
Cereals					
Maize				18.00	20.20

Pulses					
Black gram	Pahenlo dal (SKPD-3)	116-125		18.50	22.40
Rajmash	Tripura Rajmash Sel-1	100-110			
	SKR-57	100-108		3.00	3.80
Oilseeds					
Soybean	RCS 1-10	112-120		10.00	12.60
Total				5634.50	3961.83

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Breeder seed	
				Target	Production
Rabi 2016-17					
Tripura Centre					
Pulses					
Fieldpea	TRCP-8			17.00	20.00
Total				17.00	20.00
Certified seed					
Sikkim Centre					
Oilseeds					
Yellow sarson	B-9			4.60	5.50
Total				4.60	5.50

(in quintals)

Crop	Variety	Duration of variety (days)	Suitable planting window (sowing/ planting time)	Truthfully labelled seed	
				Target	Production
Rabi 2016-17					
Manipur center					
Pulses					
Pea	Arkel	120	Oct-Nov	0.12	0.13
	Prakash	120	Oct-Nov	1.00	1.00
Lentil	HUL-57	120	Oct-Nov	0.80	0.90
Oilseeds					
Rapeseed mustard	M-27	95	Oct-Nov	16.00	20.50
Tripura Centre					
Pulses					
Fieldpea	TRCP-8			20.00	20.00
Lentil	Tripura Lentil Sel 1			50.00	35.00



Rajmash	Tripura Rajmash 1			400.00	220.00
Nagaland Centre					
Pulses					
Black gram	KV-301	70-80	September		2.00
Green gram	Pratap	70-80	September		1.00
Oilseeds					
Toria	TS-38	105-115	October		88.00
	TS-36	105-115	November		5.00
Mizoram Centre					
Pulses					
Pea	Arkel				4.00
	Rachna				6.00
	Prakash				4.00
Lentil	HUL-57				13.00
Oilseeds					
Rapeseed	M-27				12.00
Mustard	P-27				5.00
	NPJ-113				5.00
Forage crops					
Bajra	Nutrifeed				0.50
Oat	Kent				0.50
Sikkim Centre					
Cereals					
Buckwheat	Mithey			3.00	5.80
Total				490.92	449.33

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Summary

Institute farms (in quintals)

Particulars	Kharif 2016		Rabi 2016-17		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	2551.13	2992.60	10070.17	11139.60	12621.30	14132.20
Total	2551.13	2992.60	10070.17	11139.60	12621.30	14132.20

Quality seed production at institute's farms

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed	
			Target	Production
Kharif 2016				
Cereals				
Paddy	MTU 1156		9.74	17.70
	MTU 1064		30.98	34.00
	MTU 1121		34.46	34.46
	MTU 2067	150	0.36	0.52
	MTU 2077	150	2.92	3.38
	MTU 2716		0.40	1.02
	MTU 7029		83.00	83.00
	MTU 1031	155	1.20	0.95
	MTU 1032	150	1.20	0.43
	MTU 1153		12.00	15.40
	MTU 4870		1.08	0.64
	PLA 1100	160	36.40	28.00
	MTU 1075	135	38.34	68.00
	MTU 1061	150	55.43	60.00
	MTU 1010	120	641.16	660.00
	MTU 1001	140	323.86	350.00
	MTU 3626	135	39.00	60.00
	MTU 1006	110-115	1.80	0.75

	NLR 27999	165	1.44	0.90
	NLR 20084		2.16	2.16
	NLR 28523	170	1.80	1.80
	NLR 33892		13.56	13.56
	PLA 1100	160	36.40	28.00
Foxtail Millet	Krishnadevaraya	80-85	0.12	0.12
	Narasimharaya	80-85	0.12	0.12
	Suryanandi	75	0.12	0.12
	SiA 3156	85	7.00	6.00
	SiA 3085	76-80	3.50	3.50
Pulses				
Redgram	LRG 30	170-180	0.30	1.50
	LRG 41	180	77.74	165.00
	LRG 52		5.63	11.50
	ICPL 85063	160-170	52.00	143.50
	ICPL 87119	170-180	2.40	91.25
Oilseeds				
Groundnut	K 6	105-110	280.00	280.00
	K 7	120-135	200.00	200.00
	K 9	105-110	200.00	252.81
	Kadiri Harithandra	105-110	50.00	49.50
	TCGS-1043		300.00	320.00
Fibre crops				
Cotton	Narasimha		3.50	3.00
	LK 861	160-170	0.01	0.01
Total			2551.13	2992.60

(in quintals)

Crop	Variety	Duration of variety (days)	Breeder seed	
			Target	Production
Rabi 2016-17				
Cereals				
Paddy	MTU 7029 SUB-I	150	2.40	2.50
	IR 64	120	66.70	68.00
	MTU 1156		0.00	54.00
	MTU 1121		0.00	42.00
	MTU 7029		512.12	480.00
	MTU 1153		0.00	40.00
	BPT 5204	145-150	519.53	550.00
	BPT 3291	135-140	68.39	90.00

	BPT 2231	150	1.08	24.00
	BPT 2270	160-165	9.00	30.00
	BPT 2411		0.36	12.00
	RGL 2537	135	18.12	30.00
	NDLR 7		3.62	22.20
	NDLR 8	125	3.48	11.00
	NLR 9674	165-170	2.16	2.16
	NLR 27999	165	1.44	0.90
	NLR 20084		2.16	2.16
	NLR 28523	170	1.80	1.80
	NLR 33892		13.56	13.56
	NLR 145		22.45	22.45
	NLR 30491	125	11.76	11.76
	NLR 33358	105-110	0.36	1.00
	NLR 34449	125	147.38	147.38
	NLR 3041	140	1.20	1.20
	CR 1009		3.60	--
Pulses				
Greengram	LGG 407	65-70	1.00	0.25
	LGG 450	65-70	0.20	0.20
	LGG 460	65-70	55.00	50.00
	TM 96-2	60-65	2.12	3.00
Blackgram	LBG 402	90-95	0.06	0.02
	LBG 623	70-75	13.26	9.00
	LBG 645	85-90	1.38	1.38
	LBG 648	90-95	1.56	1.56
	LBG 752	75-80	99.00	83.50
	LBG 787		5.00	3.00
	PU 31	70-75	87.50	87.50
Bengalgram	NBeG 3	90-100	49.90	140.00
	NBeG 47		57.40	150.00
	NBeG 119		70.00	5.00
	NBeG 49		100.00	100.00
Oilseeds				
Ground nut	K 6	100	5720.00	4500.00
	K 7	120-125	40.00	1000.00
	K 9	105-110	1050.00	800.00
	Kadiri Harithandra	105-110	200.00	1000.00
	TCGS-1043		800.00	1230.00
	Narayani	100-110	300.00	310.00

Sesamum	GAURI	90	1.00	1.50
	YLM 11	80-85	1.00	1.50
	YLM 17	75-80	1.00	1.00
	YLM 66	75-80	1.00	1.00
	Madhavi	70-75	0.12	0.12
Total			10070.17	11139.60



HRD/Capacity Building

Having a mandate of Human Resource Development in seed domain, various modules of trainings have been carried out by varied cooperating centres to cater the need of seed producing personnel including farmers, trainers and employees (field staff) of State Seed Certification Agency/ State Seed Corporation/ Seed Producer Companies and NGOs. Trainings were mainly focused on seed production, processing, storage, packaging, quality enhancement, quality control and seed health management. According to crop season, need and type of beneficiary, trainings were imparted under ICAR Seed Project on regular basis under Human Resource Development (HRD) component. Special training programmes on quality seed production for farmers of tribal areas were also started under Tribal Sub Plan component in selected cooperating centres across the country.

In-toto 437 trainings/ field days were organized for varied stakeholders during the year 2016-17. Similarly 58 Exhibitions/ Kisan melas/ Kisan Goshtis were organized on diverse themes related to seed by different cooperating centres across the country.

Training/ Field days:

S. No.	Center	No.	Title	Date	Kind of stakeholders	No. of Beneficiaries
1	SKUAS & T, Sringerar					
	Training	1	Scientific techniques for quality & hybrid seed production	29 - 30 March, 2017	Officials from line department	50
		3	Quality Seed production of paddy & maize	05.12.2016; 25.02.2017; 21.03.2017	Farmers	253
		1	Quality Seed production of cereal crops	07.03.2017	Farmers	70
		2	Quality Seed production of maize	09.05.2016; 09.05.2016	Farmers	41
		1	Quality Seed production of oats & wheat	13.10.2016	Farmers	150
		1	Quality Seed production of wheat, oil seed & oats	10.10.2016	Farmers	160



		1	Quality Seed production of wheat & oats	20.11.2016	Farmers	50
	Field day/ Seed days	1	Quality Seed production of paddy & maize	04.05.2016	Farmers	83
2	SKUAS & T, Jammu					
	Training	1	Quality Seed Production of Basmati Rice.	26 .6. 2016	Farmers	50
		1	Seed production in Wheat Crop	23.11. 2016	Farmers	50
		1	Seed Production of Wheat with special reference to Yellow rust	23 .03.2017	Farmers	50
	TSP, RARS, Rajouri	1	Quality seed production of vegetables & distribution of Vegetable Kit (Spinach, Cabbage, Knol Khol, Turnip, Fenugreek, Reddish, Onion, Peas and Coriander) with one Khurpa, One Hoe and Five no of plastic Pot tray per farmer for seedling raising	28 .9.2016	Farmers	20
		1	Quality seed production of vegetables & distribution of Vegetable Kit (Spinach, Cabbage, Knol Khol, Turnip, Fenugreek, Reddish, Onion, Peas and Coriander) with one Khurpa, One Hoe and Five no of plastic Pot tray per farmer for seedling raising	05 .10 .2016	Farmers	20
		1	Farmers training & Distribution of Wheat Seed (WH 1021)	21.12.2016	Farmers	101
	MBRSS, Poonch	1	Farmers training & Distribution of Wheat Seed (WH 1021)	11.11.2016	Farmers	20
		1	Plant protection measures in wheat/oat crop	18.11.2016	Farmers	46
		1	Seed production in wheat/oat crop	28.11.2016	Farmers	50
3	CCSHAU, Hisar					
	Training	1	Techniques in Quality Seed Production	Dec. 6-15, 2016	Farmer	25
		1	Propagation and Nursery Management of Horticulture Crops	January 25-31, 2017	Farmer	25



		1	Nursery Management and Seed Production of vegetable crops	February 14-20, 2017	Farmer	25
		1	Quality Seed Production and Testing	March 16-18, 2017	Farmer	50
5	CSAUA & T, Kanpur					
	Training	1	Seed Production	25-26.10. 2016	Farm Managers	90
		1	Seed Production & Processing	28.03.2017	Farmers	200
6	BHU, Varanasi					
	International Training Programme	1	International Training on Quality Rice Seed Production	12-20 October, 2016	Scientists of South East Asia	80
	Farmers Training Programme	1	Hybrid Seed Production Techniques of Rice	02-03 January, 2017	Seed Producers and progressive farmers	35
	Farmers Training Programme	1	Hybrid Seed Production Technology of Maize	19-20 March, 2017	Seed Producers and progressive farmers.	50
	Field day/ Seed days	1	Pea Field Visit	17 Nov, 2016	Scientist of KVKs	25
		1	Barley Field Visit	23 Dec., 2016	Govt. Seed Officers	30
		1	Pigeonpea Field Visit	12 March, 2017	Seed Producers and progressive farmers.	45
7	AAU, Jorhat					
	Training	6	Seed production and storage of major crops like rice, pulses (greengram, blackgram, lentil) and oilseeds (toria).	On campus: 15, 16, 19, 20, 21, 22 September 2016	Practicing farmers belonging to diverse ethno-cultural groups including tribals and women farmers	400
		8		Off-campus: 19, 20 August, 3, 4 October, 6, 7 December 2016 and 25 February and 17 March		



				2017		
	Field day/ Seed days	9	Participatory seed production of rice, pulses and oilseeds (toria)	30 November 2016; 16, 20, 28 February; 3, 18, 24, 29 and 31 March 2017	Practicing farmers, extension personnel and persons from input agencies	300
8	BAU, Ranchi					
	Training	2	Seed Production Technology training programme of Pulses (Rabi) at KVK, Simdega.	11.02.2017 & 15.02.2017	Farmers	104
		2	HRD training on "Seed Production Technology of Rabi Oil seed" in Kolebira Aarani & Pakertanr block, Simdega,	06.11.2016 & 07.11.2016	Farmers	101
		2	HRD training on "Seed Production Technology of Rabi Oilseed & Pulses" in Torpa, Arki & Khunti block,	08.11.2016 to 09.11.2016	Farmers	100
		3	Quality seed production technology of different crops i.e. cereals, pulses and oilseeds under HRD programme of NSP at Ranchi H.Q.	27, 29 & 31 March 2017	Farmers	105
	Field day/ Seed days	1	Field day on Chickpea crop variety JAKI-9218 in Simdega	17.02.2017	Farmers	67
		1	Field day on Chickpea crop variety HYV in Simdega	02.02.2017	Farmers	43
		1	Field day on Chickpea crop variety JAKI-9218, HYV in Khunti	14.01.201	Farmers	56
		1	Field day on Chickpea crop variety HYV in Khunti	03.02.17	Farmers	52
		1	Beej utpadan chhetra diwas (NSP-DSF, BAU H.Q)	12.11.2016	Farmers	



9	BCKVV, Mohanpur, Nadia					
	Training	1	Seed Production steps and concepts	15.08.16	Skilled Farmers	80
		1	Seed Production of Rabi Crops	05.11.16	Skilled Farmers	92
	Field day	1	Field demonstration	27.12.16	Farmers	50
	Seed days	1	Demonstration and distribution of seed	23.02.17	Farmers	90
10	UBKV, Pundibari					
	Training	3	Approaches for quality seed production through participatory mode and certification procedure of field crops	February 15-17, 2017	Practicing farmers	40
		3	Quality seed and planting materials production of vegetables, spices and fruit crops in old alluvial zone	March 20-22, 2017	Practicing farmers and farm women	35
		3	Entrepreneurship development through quality seed production for rural youth	March 27-29, 2017	Rural youth	30
		3	Training programme on "importance of quality lentil/wheat seed production of phyto sanitary masures in storage	21-03-2017, 30-03-2017, 31-03-2017	Farmers & Agro-input dealers	192
		1	Quality Nuclear seedling production of Darjeeling Mandarin	02.03.2017	Farmers	30
		1	Quality planting material production of ginger and turmeric	20.03.2017	Farmers	51
		8	Seed Production of Field Crops & Relay Cropping of Lentil and Mustard under Multi-tier System in Rice Field	04.10.2016 to 16.02.2017	Tribal Farmers	150
	Field Visit & Group Meeting	27	Field visit to see the crop stand mustard at Singhimari village, Cooch Behar district & Relay Cropping of Lentil and Mustard under Multi-tires System in Rice Field.	19.04.2016 to 25.02.2017	Tribal Farmers	150



	Seed Distribution Programme	5	Distribution of Certified Seed of rice, variety MTU 7029 & MTU-1075 (10 kg each)/ Lentil (local var.)/ Mustard (B-9)/ Jhati Sarson for seed production.	13.05.2016 to 16.12.2016	Tribal Farmers	150
11	OUA&T, Bhubaneshwar					
	Training	1	Seed Production Technique in Pulses	30.03.2017	Tribal Farmers	50
		1	Advanced Seed Production Technology in Pulses'	28.03.2017	Farmers	100
		1	Advanced Seed Production Technology in Paddy'	29.03.2017	Farmers	100
	Field day/ Seed days	1	Seed Production- a better option for more profit	25.03.2017	Tribal Farmers	250
12	SK RAU, Bikaner					
	Training	1	Rabi / Kharif fasalon ka beej utpadan aivam bhandaran at Benisar	17-06-2016	Farmers	106
		1	Rabi / Kharif fasalon ka beej utpadan aivam bhandaran at Abusar	28-07-2016	Farmers	52
		1	Rabi / Kharif fasalon ka beej utpadan aivam bhandaran at Rojari	08-01-16	Farmers	108
		1	Rabi / Kharif fasalon ka beej utpadan aivam bhandaran at Kanasar	27-08-2016	Farmers	115
		1	Rabi / Kharif fasalon ka beej utpadan aivam bhandaran at Gadiyala	14-09-2016	Farmers	110
13	MPUAT, Udaipur					
	Training	1	Seed production of Kharif and Rabi crops	18.3.2017	Farmers	84
		1	Seed production of Kharif and Rabi crops	20.3.2017	Farmers	40
		1	Seed Portal Launch cum Awareness	01.6.2017	Officers	50
14	AAU, Anand					



Training	1	Seminar on Quality Seed production and distribution management	17.05.2016	Progressive seed producing farmers, technical staff of seed producing agencies	125
	1	Quality Seed Production in Castor at Goriyad, Ta. Padara	22.02.2017	Progressive seed producing farmers	110
	1	Quality Seed Production in important crops of Gujarat	9.8.2016 to 12.8.2016	Progressive seed producing farmers of Dahod	35
	1	Quality Seed Production in important crops of Gujarat	30.8.2016 to 2.9.2016	Progressive seed producing farmers of Sabarkantha	31
	1	Quality Seed Production in important crops of Gujarat	20.9.2016 to 23.9.2016	Progressive seed producing farmers of Tapi	40
	1	Quality Seed Production in important crops of Gujarat	4.10.2016 to 7.10.2016	Progressive seed producing farmers of Junagadh	19
	1	Quality Seed Production in important crops of Gujarat	15.11.2016 to 18.11.2016	Progressive seed producing farmers of Chhotadaipur	22
	1	Quality Seed Production in important crops of Gujarat	22.11.2016 to 25.11.2016	Progressive seed producing farmers of Mahisagar	14
	1	Quality Seed Production in important crops of Gujarat	29.11.2016 to 2.12.2016	Progressive seed producing farmers of Navsari	29
	1	Quality Seed Production in important crops of Gujarat	10.01.2017 to 13.01.2017	Progressive seed producing farmers of Mahisagar	41
	1	Quality Seed Production in important crops of	18.01.2017 to	Progressive seed	30



			Gujarat	21.01.2017	producing farmers of Navsari	
15	JAU, Junagadh					
	Training	1	Training on Seed Production Technologies through High tech Museum of Seed Production Technology	2016-17	44 different groups of farmers/students were trained through High tech Museum of Seed Production Technology	1737
	Field day/ Seed days	1	National Seed Day	10-01-16	Farmers	300
16	NAU, Navsari					
	Training	1	Quality Seed production on paddy at Vasarai, Mahuva.	09-04-16	Farmers	154
		1	Off campus quality seed production on regional crops at Divdiyavan, Waghai (Dangs)	01-05-17	Farmers	94
		1	Off campus quality seed production on pulses and oilseed crops at Vanarasi, Vansada	01-12-17	Farmers	90
	Field day / Seed days	1	Seed Mela at Chausala, Kaprada, Valsad	27/03/2017	Farmers	290
17	IGKVV, Raipur					
	Training	1	Mushroom Spawn Seed Production Technology	25.02.2017	Farmers	52
		1	Seed Production of Vegetable Crops	03.03.2017	Farmers	50
		1	Seed Production in Fruits	03.03.2017	Farmers	50
		1	Seed Production Technology	22.02.2017	Farmers	50
		1	Quality Seed Production and Storage	10.03.2017	Farmers	50
18	JNKVV, Jabalpur					
	Training	1	Crop Production technology of wheat and chickpea	Suniyamar, Dindori	Progressive Farmers	50



				10.02.2017		
		1	Awareness programme for seed technological and production problems	Saraitola, Anooppur 10.03.2017	Progressive Farmers	50
		1	Scientist and farmers interface for safe storage and production of seeds	Jalgaon, Dindori 23.03.2017	Progressive Farmers	50
	Field day/ Seed days	1	National Seed Day and Foundation Day	10-01-16	Farmers/Scientist/Entrepreneurs seed people and traders	2000
19	VNMKV, Parbhani					
	Training	1	Seed Production	18/10/2016	Farmers	154
		1	Seed Production	22/10/2016	Farmers	151
		1	Seed Production	20/11/2016	Farmers	147
		1	Seed Production	17/01/2017	Farmers	158
		1	Techniques in Rabi Crops	02-07-17	Seed Certification	57
		1	Seed Production	17/02/2017	Farmers	148
		1	Seed Production	03-09-07	Farmers	120
20	Dr. PDKV, Akola					
	ICAR Seed Project-Washim	1	Cultivation practices of summer Groundnut & Sesamum	20-1-2016	Farmers	50
	ICAR Seed Project-ATS Buldana	1	Seed production technology of wheat, Gram & Onion	22-2-2017	Farmers	115
	ICAR Seed Project-Sindewahi	1	Seed production technology of paddy	21-9-2016	Farmers	350
	ICAR Seed Project-Kutki	1	Rabi Pulses & cereals crop production Technology	2.03.2017	Farmers	60
	ICAR Seed Project-Warud	1	Seed production of important field crops	17-9-2016	Farmers	65



	ICAR Seed Project, ARS Buldhana	1	Seed production technology of soyabean	16-3-2017	Farmers	83
	ICAR Seed Project - Navegaon	1	Improved Rice varieties seed production Technology	21-10-2016	Farmers	129
	ICAR Seed Project - Achalpur	1	Cultivation technology of summer sesamum	2.03.2017	Farmers	55
	ICAR Seed Project - Achalpur	1	Cultivation technology of summer Groundnut	3.03.2017	Farmers	45
	ICAR Seed Project- Warud	1	Seed production technology of Gram	13-10-2016	Farmers	45
21	KKV, Dapoli					
	Trainings	1	Seed Production Technology and Grambijotpadan	20/09/2016	Farmers, Field Staff of University & Agricultural Department	65
		1	Seed Production Technology of Rice and Groundnut	22/12/2016	Farmers, Field Staff of University & Agricultural Department	70
		1	Demonstration and Grambijotpadan	27/12/2016	Farmers, Field Staff of University & Agricultural Department	60
		1	Grambijotpadan and Seed Production Technology	28/12/2016	Farmers, Field Staff of University & Agricultural Department	62
		1	Grambijotpadan and Demonstration	01-04-17	Farmers, Field Staff of University & Agricultural Department	70



		1	Grambijotpadan and Demonstration	01-05-17	Farmers, Field Staff of Agricultural Department	70
		1	Grambijotpadan and Demonstration	01-10-17	Farmers, Field Staff of Agricultural Department	56
		1	Grambijotpadan/Demonstration	25/01/2017	Farmers, Field Staff of Agricultural Department	61
		1	Seed Production Technology of Rice and Groundnut	31/01/2017	Farmers, Field Staff of Agricultural Department	60
		1	Seed Production Technology and Grambijotpadan	02-03-17	Farmers, Field Staff of University	70
	TSP Trainings	1	Grambijotpadan, Demonstration and Input Distribution	12-08-16	Tribal Farmers	70
		1	Grambijotpadan, Demonstration and Input Distribution	12-09-16	Tribal Farmers	70
		1	Grambijotpadan, Demonstration and Input Distribution	14/02/2017	Tribal Farmers	70
22	UAS, Bengaluru					
	Training	1	Refresher course on “Capacity Building and Skill Development in Hybrid Seed Production Technology”	8 th to 12 th August, 2016	Personnel involved in seed industry-staff from SAUs, KSSC, KSSOCA etc.,	25
		1	Training programme on ‘Post harvest management of seeds’	8 th to 10 th December, 2016	Personnel involved in seed industry-staff from SAUs, KSSC, KSSOCA etc.,	20
		1	NSRTC Sponsored National Training on “Integrated Seed Improvement”	7 th to 11 th March, 2017	Government official and stake holders of	20



					Industry	
		1	Training programme on “Current trends and issues in seed industry”	04 th to 08 th April 2017	Personnel involved in seed industry	22
	Field day/ Seed days	1	Sugarcane tissue culture plants - Production, cultivation and seed production	23 rd December 2016	Farmers from surrounding villages of ZARS, V.C. Farm, Mandya	51
		1	Soybean seed production	24 th September 2016	Farmers from surrounding villages of Madenur, Hassan District	60
		1	Redgram seed production	27 th December 2016	Farmers of Gundagallu village Madhugiri taluk, Tumkur District	100
		1	Bengalgramseed production	6 th January, 2017	Farmers of Vidhurashwatha village, Gowribidanur taluk	100
23	UAS, Dharwad					
	Trainings	1	Training programme on seed production of chickpea variety GBM-2 suitable for mechanical harvesting at Farmer’s field at Rayapur, Dharwad Taluk		Farmers	101
		1	Training programme on Soybean seed production techniques at Bevinakoppa, Bailhongal Taluk	09.01.2016	Farmers	66
		1	Training programme on Soybean seed production techniques at Devikoppa, Dharwad Taluk	25.01.2016	Farmers	60



		1	Training programme on Chickpea (Jaki 9218) seed production techniques at Attigeri, Gadag Taluk	27.01.2016	Farmers	71
	Field day / Seed days	1	Field day on popularization of newly released wheat variety UAS 415 at Rayapur, Dharwad Taluk		Farmers	100
		1	Field day on chickpea seed production programme and field visit at Somanal, Muddebihal Taluk, Bijapur Dist.		Farmers	100
24	PJTSAU, Hyderabad					
	Training	1	Quality seed production & Post harvest management of field crops, Nizamabad	22-06-2016	Seed Growers	55
		1	Quality seed production & Post harvest management of field crops, Rajendranagar	28-06-2016	Seed Growers	65
		1	Improved seed production technology in field crops	7-2-2017 to 10-2-2017	Seed Growers	45
		1	Quality seed production technology of Rice	03-08-17	Tribal farmers	54
	On farm Demonstration Seed Days	1	OFD on Redgram seed production	12-09-16	Seed Growers	50
		1	Seed Day on Rice	11-10-16	Progressive farmers	460
25	TNAU, Coimbatore					
	Training	1	3 rd Annual Seed Workshop	14.03.2017	Scientists, Stake holders and Farmers	50
		1	Seed production technologies and value addition techniques in small millets	21.02.2016	Tribal farmer's	200
		1	Seed Production and Horticultural Productivity Enhancement	23.03.2017	Tribal farmer's	100



		1	Seed Production and Horticultural Productivity Enhancement	24.03.2017	Tribal farmer's	100
		1	Seed Production Techniques and Value Addition in Paddy, Minor Millets and Inauguration of Minor Millet Processing Unit	28.03.2017	Tribal farmer's	100
	Field day/ Seed days	1	Sensitizing the seed growers on new rice varieties of TNAU and Seed production techniques	27.02.2017	Farmers [50 (5 kg seed packets of new rice variety CO 52 was distributed, free of cost, to 50 farmers as a measure of popularization of the new variety]	50
		1	Hybrid Seed Production in Castor and sensitizing the farmers of new castor hybrids of TNAU "	7.03.2017	50 (1 kg seed packets of castor hybrid YCRH 1 was distributed, free of cost, to 50 farmers as a measure of popularization of the hybrid)	50
26	KAU, Trissur					
	Training	1	Innovative Crop Management Techniques in Rice	30/8/2016	Farmers	75
		1	Training on Quality Seed Production, Processing and Marketing	09-01-16	Agriculture Officers and ADAs of Agriculture Department	100
		1	Training on Quality Seed Production and	11-09-16	Famers and	50



			Organic Farming		Agricultural Officials	
		1	Training on Paddy Crop Management	25/1/2017	Farmers and Agricultural Officials	100
		1	Field Techniques for Quality seed production	15/2/2017	Labourers and Officers of State Seed Farm	50
		1	Training for Tribal Extension Officers	17/3/2017	Village Tribal Promoters and Agricultural Officials of Wayanad	50
	Field day/ Seed days	1	Field Day on New Paddy varieties for Rabi season	25/1/2017	Farmers , Agricultural Officials	100
27	IARI, New Delhi					
	Training	1	कृषकोसहभागिताद्वारागुणवत्तायुक्तबीजउत्पादन	28/01/2017	Farmers of Vill-Karira, Distt.-Bulandshar, U.P.	48
		1	र - व्य	13/02/2017	Farmers of Vill-Rajpura, Distt.-Hathras, U.P.	50
	IARI, Indore					
	Training	1	ATARI Zone – VII, Soybean Workshop(Wheat and wheat seed production Technology)	24/04/2016	IISR Indore	28
		1	State department staff training on H.R.D. (Wheat and wheat seed production Technology)	28/09/2016	KVK Indore	62
		1	IFFCO Farmers training on Wheat and wheat seed production Technology	28/09/2016	IARI RS Indore	52
		1	IWMP - 8 Farmers training on Wheat and wheat seed production Technology	18/10/2016	IARI RS Indore	40



		1	Durum Wheat processing Training (Ag. Dept. M.P. Indore)	30/11/2016	IARI RS Indore	40
		1	World Soil Health Day (Wheat and wheat seed production Technology)	12-05-16	KVK Indore	220
		1	Participation Krishivigyanmela (Ag. Dept. M.P. Indore , training on Wheat and wheat seed production Technology))	10 to 12/12/2016	LaxmibaiMandi Indore	550
		1	ATMA Katch (Gujrat) Farmers training on Wheat and wheat seed production Technology	17/12/2016	IARI RS Indore	50
		1	N.F.L. seed Producer Farmers training on Wheat and wheat seed production Technology	22/12/2016	IARI RS Indore	54
		1	Wheat Based Cropping System Training-Training on Wheat and wheat seed production Technology	01-06-17	COA Indore	20
		1	Climate Change Training (Wheat and wheat seed production Technology)	01-12-17	COA Indore	22
	Farmers' Group	35	One day training for farmers' groups visiting the Station from time to time	1/04/2015 to 31/3/2016	Farmers from M.P. and neighboring states.	1700
	Field day/ Seed days	1	One Field Day at Makodia, Indore	02.02 2017	Farmers from MGMG villages and other districts of M.P.	200
	Wheat day/Kisan Mela	1	Farmers and agri-input dealers	04.03.17		400
	IARI, Karnal					
	Farmers training	1	Krishi Vistar avum Mahila Uthan Sammiti Karnal	26 August, 2016	Farmers	30
	Trainings organized for farmers under <i>Seed VillageProgramme</i>	3	Quality seed production	27 July, 2016; 27 September, 2016; 15 December, 2016	Farmers	53



	Seed Day	1	Beej Bikri divas	3rd March, 2017	Farmers	500
28	IIWBR, Karnal					
	Training	1	Training on Quality Seed Production at BCKV, Kalyani (W.B.)	3 rd February 2017	State Government, Seed Producers & Farmers	45
		1	Trainers training program on quality seed production	26-28 th May 2016	State Government & Seed Producers	35
	Field day/ Seed days	1	Field Day cum Farm School on Quality Seed Production at Village Nalvikhurd, Karnal	26 th March 2017	Seed Producers & Farmers	200
		1	Farmer-Scientists Interaction Workshop and Seed Day held at ICAR-IIWBR, Karnal	17 th October 2016	Seed Producers & Farmers	1200
29	VPKAS, Almora					
	Training	1	<i>Kharif Fasalon ka Beejotpadan</i>	5 days (20 th -24 th Sept. 2016)	Tribal farmers of village Jhankat (Block Sitarganj, District Udham Singh Nagar)	34
	Field day/ Seed days	1	Wheat Farm School	01 day (23 March.2017)	Tribal farmers of village Jhankat (Block Sitarganj, District Udham Singh Nagar)	20
30	IIPR, Kanpur					
	Training	1	Farmers Participatory Seed production Techniques in Rabi Pulses	21-1-2017	Farmers	150
		1	Farmers Participatory Seed production Techniques in Spring / summer Pulses	29-3-2017	Farmers	200
	Field day/ Seed days	1	Seed Day	09-01-16	Farmers	200
31	CRIJAF, Barrackpur					
	Field day/ Seed days	1	Seed Day 2017 at CRIJAF, Barrackpore	15 th March, 2017	Farmers of MGGM Programme	200



		1	Seed production of Rabi crops at CSRSJAF Budbud	3 rd March, 2017	Farmers	80
	NRRI, Cuttack					
	Training	1	Sustainable Quality Seed Production in Farmer's Field (Dasarathpur, Jajpur)	24.03.2017	Farmers	100
	Field day/ Seed days	1	"Seed Day" (Goudgop, Mahanga, Cuttack)	07.12.2016	Farmers	90
32	IGFRI, Jhansi					
	One day workshop	1	Creating awareness on forage seed production through participatory mode	24 th October, 2016	Farmers	80
	Three day training	1	Forage Seed Production and Quality Control	16 th - 18 th March, 2017	State Agril. & AH Dept, NGO, Forest Dept., Military Farm	24
33	DR & MR, Bharatpur					
	Training	1	Mustard seed production and its management	November, 21 - 22, 2016	Progressive Farmers	35
		1	Rapeseed-Mustard seed production and its management	January, 24- 26, 2017	Tribal farmers from TSP area	26
34	DGR, Junagadh					
	Field day	1	शुष्कपारिस्थितिकोत्तमकेअंतगतमूँगफलीबीजउत्पादन	28 th September 2016	Groundnut farmers	164
	Kisan Ghosti	1	मूँगफलीमसफ़ेदलटएवंतनाविगलनकेप्रबंधनकेलिएपूर्व	30 th March, 2017	Groundnut farmers	203
35	CAZRI, Jodhpur					
	Field day/ Seed days	1	Seed Day cum Farmer's Scientist Interaction	23-09-2016	Farmers, Officers of NSC, RSSC, Ag. University	130
36	CICR, Nagpur					
	Training	1	Desi Cotton Training Programme held at ICAR-CICR, Nagpur	28/04/2016	Farmers, NGO's, and private seed	80



		6	Tribal Farmers Training programme at Laadai (Linga), Nimboli(Gadkari), Lohgad(Budhla) and Wathoda Tahsil Kalmeshwar, Dist. Nagpur Narhar, Muradpur	14 th , 17 th 21 st December 2016, 31 st January, 12 th & 16 th February 2017	companies Tribal Farmers	1500
37	IIR, Hyderabad					
	Trainings	4	Quality seed production in castor hybrids	Oct, Nov, 2016 and Jan and Feb 2017	TSP farmers and farm workers associated	200
		1	Skill development on seed production technology for oilseeds	Feb 6-18, 2017	Diploma holders in agriculture	20
	Field day/ Seed days	1	i) Field Day cum training in castor seed production	27-1-2017 at Konkala village of Gadwal Dist.	Farmers of the selected villages, and surrounding villages, Officials of Dept of Agri, KVKs, Scientists of IIR, ANGRAU, PJTSAU, etc	600
		1	ii) Field Day cum training in sesame and safflower seed production	24-3-2017 at Chityal village, Nirmal dist	Farmers of the selected villages, and surrounding villages, Officials of Dept of Agri, Scientists of IIR, NGOs, etc..	200
38	IIR, Hyderabad					
	Training	1	“Quality Seed Production”	15 th June, 2016	Dummugudem, Kammam	50
	Field day/ Seed days	1	Farmers’ day	13 th Nov, 2016	Farmers	1000



39	IIMR, Hyderabad					
	Field day/ Seed days	1	Demonstration of seed production of dual purpose sorghum	Jul-16	Farmers	60
		1	Demonstration of dual purpose sorghum seed production	Nov-16	Farmers	200
40	SBI, Coimbatore					
	Field day	1	Interaction meeting with Indenters and farmers.	04-Jan-17	Sugar factory seed personnel & Seed farmers	100
	Seed Day	1	Seed Day 2016	19-Sep-16	Sugarcane farmers of TN state	50
41	IISS, Mau					
	Farmers training/Gosthies	10	Quality seed production in cereals & pulses		Farmers	
	Farmers –Scientist Interactions	5			Farmers	
	Field Visits	9			Farmers	
	Field Demonstrations'	2			Farmers	
42	IIMR, Begusarai (New Delhi)					
	Training	1	Krsihak Aay Vradhi Hetu Makka ki Vaigyanik Kheti, Beej Utpadan Va anya Vikalpa	February 14-15, 2017	Farmers	107
	Field day/ Seed days	1	Hybrid maize and its seed production technology	March 17, 2017.		202
43	CCARI, Goa					
	Field day/ Seed days	2	Field days	23/03/2017; 24/03/2017	Farmers and officials of state dept of agriculture	74



44	CIARI, Port Blair					
	Training	1	High yielding varieties of rice and nursery management	29 th June, 2016.	Farmers	35
		1	High yielding varieties of pulses, rice and their crop management for seed production	2 nd February, 2017	Farmers	44
		1	Management of bacterial wilt disease in brinjal crop	30 th October, 2016	Farmers	65
	Field day/ Seed days	1	Field Day on Conservation and utilization of native landraces of rice through farmers'	3 rd October, 2016	Farmers	26
45	VSI, Pune					
	Training	1	Oos Sheti Dnyanlaxmi	5-9.7.2016	Women farmers	29
		1		6-12.12.2016	Women farmers	59
		1	Oos Sheti Dnyanyag	12-16.7.2016,	Men farmers	144
		1		12-16.7.2016	Men farmers	149
		1		19-23.7.2016	Men farmers	160
		1		13-17.12.2016	Men farmers	227
		1		20-24.12.2016	Men farmers	228
		1		27-37.12.2016	Men farmers	85
	Field day/ Seed days	1	National Seed day	1.10.2016	Cane development officers/staff of sugar mills	97
46	UAS, Raichur					
	Training	1	Seed village programme at Idapanur, Dist: Raichur	06.11.2016	Seed growers	25
		1	Seed village programme at Kottadodda, Dist: Raichur	07.11.2016	Seed growers	26
		1	Training programme on quality seed production in greengram at ARS, Bidar	08-08-16	Seed growers	33



		1	Seed producers and growers interactive workshop	27.02.2017	Seed producers and seed growers	123
		1	3 rd Soybean Seed Producers and Seed Growers Interaction meet and Training Programme on Quality Seed Production of Soybean	08-10-16	Seed growers	50
	Field day	1	Field day on paddy New Variety GNV 10-89 at Jayanagar Camp, Rabbankal Village, Tq. Manvi Dist. Raichur	16.11.2016	Seed growers	35
		1	Field day on Bengal gram New Variety GBM 2 at seed unit, UAS, Raichur	12.1.2017	Seed growers	62
		1	Field day on Bengal gram/ BGD 103 variety at Idapnur Village, Tq. Dist. Raichur	20.1.2017	Seed growers	72
	Seed days	10	Kharif seed day	25.05.2016	Scientists, Seed producers and seed growers	1562
		1	Rabi seed day	25.09.2016		926
47	RVSKVV, Gwalior					
	Field day/ Seed days	1	Rabi wheat and gram field visit	24 .2.2017	Farmers	24
	BAU, Sabour					
	Field day	5	Demonstration of seed production	Two in Kharif 2016 & three in Rabi 2016-17	Farmers	125
48	PAJANCOA & RI, Karaikal					
	Training	2	Quality seed production in rice and seed distribution to farmers	12.07.2016 and 15.03.2017	Farmers, Seed Producers and seed growers	69
	Seed Day	1	Seed Day 2017	27.03.2017	Farmers, Seed Producers, growers, Extension	244



					personnel	
49	UAHS, Shimoga					
	Training	1	Seed production and Certification Procedure	11-08-2016 UAHS, Shivamogga	Farm superintendents and research workers	50
	Field day	1	Field day of BRG-2 Redgram variety.	17-12-2016 Kariganur, Dist: Davanagere	Farmers	150
		1	Mechanization in paddy and field day of KPR-1 variety .	25-11-2016 Jeehosahalli village, Dist: Chikkamagaluru	Farmers	150
		1	Field day of Greengram var.KKM-3	21-04-2017 Dist: Shivamogga	Farmers	200
50	ICAR-RC, NEH Region, Manipur					
	Training	1	Hybrid Maize production	9 th May, 2016	Extension personnel	20
		1	Quality Seed production of Kharif rice	16 th May, 2016	Practicing farmers	30
		1	Quality Seed production of Kharif rice under Participatory Seed Production	4 th June, 2016	Practicing farmers	80
		1	Training programme on Quality Seed Production of Kharif rice	7 th June, 2016	Practicing farmers	50
		1	Training and demonstration on transplanting of rice <i>kharif</i>	25 th June, 2016	Practicing farmers	30
		1	Awareness programme on Quality Seed Production in Manipur	19 th July, 2016	Practicing farmers	50
		1	Quality seed Production in Rice,	21 st July, 2016	Practicing farmers	39
		1	Regional meeting on Implementation of ICAR Seed Project and NSP for NEH Region	22 nd July, 2016	Practicing farmers	50



		1	Quality seed production on Oilseeds and Pulses	30 th July, 2016	Practicing farmers	40
		1	Quality seed production on Oilseeds and Pulses	1 st August, 2016	Practicing farmers	40
		1	Quality seed production on Oilseeds and Pulses	3 rd August, 2016	Practicing farmers	40
		1	Quality seed production on Oilseeds and Pulses	5 th August, 2016	Practicing farmers	45
		1	Quality seed production on Oilseeds and Pulses	3 rd August, 2016	Practicing farmers	40
	Field day/ Seed days	1	Field Day on Seed Production in Kharif	5 th October, 2016	Practicing farmers	56
		1	Field Day on Seed Production in Kharif	18 th October, 2016	Practicing farmers	52
	Nagaland center					
	Training	1	Quality seed production	September,2017	Farmers	25
	Mizoram Center					
	Kisan ghosti	1				250
	Field day (1 kharif : 1 Rabi)	2				500
	Seed Day	1				450
	Exhibitions	1				653
	Front line demonstrations (FLD's)	10				155
	Training programme for women farmers/ unemployed youth	2				300
	Sikkim Centre					



	Training	1	Quality seed production techniques of maize under organic management	08.04.16	Farmers & Farm women	22
		1	Organic seed production of Rajmash	06.09.16	Farmers & Farm women	32
		1	Quality seed production of yellow sarson under organic management	26.12.16	Farmers & Farm women	47
	Field day/ Seed days	1	Zero till cultivation of black gram	15.11.16	Farmers, Farm women and Rural youth	36
		1	Field day on yellow sarson	14.03.17	Farmers, Farm women and Rural youth	30
	Total (Trainings)	437				36940

Exhibitions/ Kisan Mela/ Kisan Goshti:

S. No.	Exhibitions/ Kisan Mela/ Kisan Goshti	No.	Date	Kind of Stakeholders	No. of Beneficiaries
1	SKUAS & T, Sringer				
	Exhibition Cum Seed Mela	1	11 -12 March 2017	Farmers, Scientists, Students	5000
	Seed Exhibition Cum Sale	1	25.03.2017	Farmers, Students	290
2	CCSHAU, Hisar				
	kisan Mela	2	Sept. 9-10,2016 &March 22-23, 2017	Farmers	1000
	Kisan Divas	1	23-Dec-16	Farmers	1000
3	SVPUA & T, Meerut				
	Mirapur Dalpat, Muzaffarnagar	1	25 May, 2016	Public Sector	1380



	All India Farmer Fair, SVPUA&T, Meerut	1	05-07 October, 2016	Public Sector	10172
	Krishi Kumbh-2016, Muzaffarnagar	1	28-30 November, 2016	Public Sector	3175
	Kisan Degree College, Baraut	1	14-16 December, 2016	Public Sector	3620
4	CSAUA & T, Kanpur				
	Kisan Mela	1	03-06 Oct.,2017	Farmers, Seed Producers, Seed Companies etc.	2500
5	BHU, Varanasi				
	Exhibitions	2	02-03 November, 2016 at BHU	Progressive Farmers	1000
6	BAU, Ranchi				
	Kisan Mela	1	18-20 March 2017	Farmers	1800
7	BCKVV, Mohanpur, Nadia				
	Kisan Mela				
	Basundhara, Haringhata, Nadia	1	Jan 15-17, 2017	Farmers & Villagers	1200
	Gayeshpur, Nadia	1	Feb, 2017	Farmers & Villagers	1000
	Exhibition	1	28-Jan-17	Farmers & Villagers	1200
8	SKRAU, Bikaner				
	Kisan Mela	1	30-04-2016	Farmers	3000
	Kisan Mela	1	18-20 Feb. 2017	Farmers	14000
9	AAU, Anand				
	Krushi Mahotsav 2016 Mega event at Anand during 9-10, April 2016. Stall of Anubhav seed was also displayed.	1	16.5.16 to 31.5.16	Farmers of all nine districts of AAU jurisdiction	10000
10	JAU, Junagarh				
	Rashtriya Krishi Mela	1	1-3 March 2017 at Jabalpur	Farmers/Scientist/Students/Traders	23000
	Kisan Mela	1	20-22 January 2017 at	Farmers	75000



			Balaghat		
11	NAU, Navsari				
	International year of Pulse – Awareness of pulses production technologies.	1	29/11/2016	Farmers	74
12	IGKVV, Raipur				
	Kisan Mela	1	08.03.2017	Seed Producing Farmers and personnel	600
13	VNMKV, Parbhani				
	Exhibitions /Kisan Mela/ Kisan Goshti	1	18 th May,2017	Farmers of Marathwada region	3700
		1	17th September, 2016	Farmers of Marathwada region	1900
		1	3rd January, 2017	Female farmers	455
14	PDKV, Akola				
	Pre Mansoon Melawa	1	25-5-2016	Farmers	
	Shivar pheri	1	20,21,22 oct 2016	Farmers	
	Agrotech-2016	1	27,28,29 Dec 2016	Farmers	
15	KKV, Dapoli				
	Exhibition of seed varieties	2	25.01.2017 and 31.01.2017	Farmers & Field Staff of Agricultural Department	121
16	UAS, Dharwad				
	Krishimela - 2016	1	24.09.2016	Farmers	1000000
	Beeja mela at Seed unit,UAS Dharwad	1	23.09.2016	Farmers	10000
17	TNAU, Coimbatore				
	Agri Intex 2016	1	16.07.2016 to 18.07. 2016	Stake holders & Farmers	1700
	Farmers meeting and exhibition at Karunya University, Coimbatore	1	23.08.2016	200 (5 kg seed packets of new rice variety CO 51 was distributed, free of cost, to 60 farmers as a measure of	60



				popularization of the new variety)	
18	IARI, New Delhi				
	Seed Sale counter at Krishi Unnati Mela - 2017 at ICAR-IARI, New Delhi	1	15-17 March, 2017	Farmers from different states	7000
	IARI, Karnal				
	“Farmers – Scientists Interactive Workshop and Seed Day” at ICAR-IIW&BR, Karnal	1	17 th October, 2016.	Farmers and Students	500
	“Rabi Kisan Mela” at ICAR-CSSRI, Karnal	1	8 th March, 2017.	Farmers/ Women Farmers and Students	600
	Kisan Pathshala	1	24 September, 2016	Farmers/ Women Farmers	60
	Kisan Sangoshthi during Rabi Mela	1	8 th March, 2017.	Farmers/ Women Farmers and Students	600
19	IIWBR, Karnal				
	Conducted field demonstrations of wheat variety DBW-88 at Farmers Field under MGMG for the popularization of the variety among the farmers	1	Rabi, 2016-17	Farmers under MGMG	60
20	VPKAS, Almora				
	Kisan Goshti-Gehun Beejotpadan	1	05 th Nov. 2016	Tribal farmers of village Jhankat (Block Sitarganj, District Udham Singh Nagar)	60
	ICAR-VPKAS Kisan Mela	1	24 th Sept. 2016	Farmers, school students, general public	1000
	ICAR-VPKAS Kisan Mela	1	22 nd March 2016	Farmers, school students, general public	1000
21	IIPR, Kanpur				
	Kishan Mela at CSA University of Agriculture and Technology, Kanpur	1	<i>Khariif, Rabi</i>	Farmers	2000



22	DR & MR, Bharatpur				
	Groundnut farm inovators day	1	20.09.2016	Groundnut farmers	400
23	IIOR, Hyderabad				
	National Castor KisanMela, IIOR	1	19-1-2017 at IIOR	Castor, sunflower and other oilseeds growing farmers	1200
24	IIMR, Hyderabad				
	Quality Seed production in sorghum	1	May-16	Farmers	250
25	SBI, Coimbatore				
	Kisan Mela	1		Sugarcane farmers from different states, Sugar factory officials	2500
26	IISS, Mau				
	Krishi Pradarshani/Kisan Mela	1			
27	IIMR, Begusarai (New Delhi)				
	Participated and exhibited IIMR technologies in the stall with live demonstration of Maize and Pop corn in the Purvanchal Krishi Pradarshani evam Kisan Sangosthi, at Jangle Kauria, Distt. Gorakhpur	1	October 23-24, 2016.	Farmers, citizens, Students, women, Children, entrepreneurs, Researchers etc	--
	Participated and exhibited IIMR technologies in the stall with live demonstration of Maize, Baby corn and Pop corn in the Kisan Mela organized by ATMA, Begusarai on the Occasion of Bihar Divas at Gandhi Maidan, Begusarai	1	22-Mar-17	Farmers, citizens, Students, women, Children, entrepreneurs, Researchers etc	--
28	VSI, Pune				
	Exhibitions	1	13-16.11.2016	Cane grower farmers & mills officers	150000



29	UAS, Raichur				
	Krishimela	1	5 to 8 th November 2016	Farmers, seed producers, officials of developmental departments/NGOs	215000
30	BAU, Sabour				
	Kisan Mela	1	03-05 th March, 2017	Farmers, Companies,	40000
31	PAJANCOA & RI, Karaikal				
	Farmfest 2017	1	28-29 February, 2017	Farmers and general public	100
32	UAHS, Shimoga				
	Kisan mela	1	October	Farmers	100000
33	ICAR-RC, NEH Region, Manipur				
	Mizoram Center				
	Kisan mela	1			250
	Total (Exhibitions/ Kisan Mela/ Kisan Goshti)	58			1700527

**Awards**

S. No.	Centre	Awards	No.	Title	Organization	Remarks
1	SKUAS & T, Sringar	National Mega Variety Award	1	C-15 Maize (Rehmat) variety for its contribution to upliftment of welfare of resource poor maize farmers of J&K through popularization also comprising of Scientists from AICRP (NSP) Srinagar Centre.	ICAR	NSP team played major role for seed production and distribution of C-15 variety over years
		Genome Saviour Award by PPV&FR Authority	1	To the Farmers of Sagam Belt for conserving Mushkbudji Aromatic Land Race and its spread by the revival team also comprising of the scientists from AICRP (NSP) Srinagar Centre.	PPV&FR Authority	NSP team played major role for seed production and distribution of Mushkbudji aromatic land race over years
2	SVPUA & T, Meerut	First prize	1	All india farmer fair	S.V.P.U.A.&T., Meerut	Regarding seed sale
3	JNKVV, Jabalpur		1	“Excellent Work Award” in the field of research and farm.	JNKVV, Jabalpur	Awarded by Honorable Vice Chancellor Dr. Vijay Sing Tomar, JNKVV, Jabalpur during 68 th Republic day 2017. Honorable Vice Chancellor presented Momento, Prasasti Patra and Cheque of Rs. 10000 for the encouragement to the best workers for their excellent



						works.
4	IARI, New Delhi	ICAR - IARI, RS, Karnal Received “Best stall award” in “Farmers – Scientists Interactive Workshop and Seed Day” held	1	Best stall award	At “Farmers – Scientists Interactive Workshop and Seed Day” held ICAR-IIW&BR, Karnal on 17 th October, 2016.	“Farmers – Scientists Interactive Workshop and Seed Day” held at ICAR-IIW&BR, Karnal on 17 th October, 2016.
5	IIWBR, Karnal	Merit Certificate for HRD in Quality seed Production	1	“Trainers Training Program” on ‘Quality Seed Production’	ICAR Seed Project at ICAR-IIWBR, Karnal during 26-28 th May 2016.	Presented by Dr. J.S. Sandhu, DDG (CS), ICAR, New Delhi
	Total Awards		6			

Publications:

S. No.	Publication	No.	Year	Title	Author	Journal/ Seminar/ Symposium
1	SKUAS & T, Sringar					
	Research Paper	1	2016	Farmer’s participatory varietal selection in Japonica rice (<i>Oryza Sativa</i> L.) In Kashmir Valley	M. Rafiq, S. Najeeb, F.A. Sheikh, A.M. Iqbal, Z.A. Bhat, S.C. Kashyp, A. Hussian, A. Mujtaba And G.A. Parray	<i>SABRAO Journal of Breeding and Genetics</i> 48 (2) 200-209.
		1	2016	Revival of endangered high valued mountain rices of Kashmir Himalayas through genetic purification and in-situ conservation	Najeeb S., Parray G.A., Shikari A.B., Bhat Z.A., Bhat Anwar M., Iqbal M. Asif, Bhat S.J., Shah A.H., Manzar Abu, Ahangar M.A.	<i>International Journal of Agriculture Science</i> 8: 2453-2458



					and Wani A Shafiq	
		1	2017	Improvement in lively hood of resource poor farmers by quality seed intervention.	M.Ilyas Bhat, M.A. Bhat, G. Ali, Z.A.Bhat & I. A. Abidi.	XIV National Seed Seminar, Jan. 28-30., IARI, New Delhi.
		1	2017	Purity Testing of Maize Hybrids using molecular markers.	M.Ilyas Bhat, Z.A.Bhat, A.B. Shikari, Gul Zaffar, Gazala Amin, Showkat Maqbool	XIV National Seed Seminar, Jan. 28-30., IARI, New Delhi.
		1	2017	Effect of planting method and nutrient management practices on seed yield of brown sarson (<i>Brassica rapa</i> L.).	Wani,S.H., Ali,G., Bhat,M.A., Lone,J., Iqbal,A.M., Dar,Z.A., Lone,A.A. and Kordrostami,M	<i>Indian Journal of Ecology.</i> 44 (1): 40-44
	Leaf lets / Pamphlet /Poster / any other	1		Dan Ki kasht (Urdu)	M.I.Bhat, Z.A. Bhat, Gowhar Ali, Mir G. Hassan.	University publication
		1		Maki Ki Kasht (Urdu)	M.I.Bhat, Z.A. Bhat, Gowhar Ali, Mir G. Hassan.	University publication
	Seed Documentary (30minutes)	1	2017	Seed Documentary on Shalimar Beej (Ladder to Successes)	, M.I.Bhat,Z.A.Bhat, G.Ali, , M. Ilyas Mir G.H.	University publication
	Manual	1	2017	Seed Manual	G.Ali Mir, M. Ilyas, M. Ashraf, Z.A. Bhat	University publication
2	SKUAS & T, Jammu					
	Research paper	1	2016	Seed quality enhancement of farm saved of wheat (<i>Triticum aestivum</i> L).	Anjani Kumar Singh, Magdeshwar Sharma and Pardeep Wali	Progressive Research – An International Journal, 11(Special-II): 959-60
		1	2017	Seed production in the scenario of climate change in Himalayan region.	Anjani Kumar Singh, Pardeep Wali, Magdeshwar Sharma, and Vishal Raina	12 th J.K. Science Congress, Jammu, Page no. 181-182



3	CCSHAU, Hisar					
	Research Paper	1	2016	Effect of Integrated crop management on seed yield in Mungbean [Vigna adiate (L.)Wilczek].	Jitender, Punia R.C., Bhuker A., Yadav R. And dahiya O.S.	International Journal of Agriculture Sciences
		1	2017	Study on seed quality parameters and yield attributes in pearl millet hybrids and their parents.	Bhuker A., Sangwan, V.P.S., V.S. Mor and Dalal M.S.	Progressive Research -An International Journal
		1	2017	Effect of planting season on seed quality in Mungbean [Vigna adiate (L.)Wilczek].	Jitender, Bhuker A., Mor V.S., Punia R.C. and Yadav R.	Research in Environment and Life Sciences
	Popular Article	1	2016	र	क्ष , . . .	Haryana Kheti
		2	2016	र f	क्ष , . . . f	Haryana Kheti
	Leaf lets / Pamphlet / Poster / Any other	1	2016	Beej Utpadan avam gunvatta prikshan	Mor V.S., Bhuker A., Dahiya O.S., Jakhar S.S., Sangwan V.P.S., Punia R.C. and Verma S.S.	Seed Science & Technology CCS HAU, Hisar
4	SVPUA & T, Meerut					
	Popular Article	1	2016-17	रनेकावैज्ञानिकविधि	DR. M.K. Kaushik & Dr. S.K. Lodhi	
		1		र	DR. M.K. Kaushik & Dr. S.K. Lodhi	
		1		धानमएकोकृतनाषीजीवप्रबंधन	DR. M.K. Kaushik & Dr. S.K. Lodhi	
		1		र	DR. M.K. Kaushik & Dr. S.K. Lodhi	



		1		सूचना	Dr. R.B. Yadav & Dr. S.K. Lodhi	
		1		सूचना	Dr. R.B. Yadav & Dr. S.K. Lodhi	
	Technical bulletin	1	2016-17	Nursery Management of Paddy	DR. M.K. Kaushik & Dr. S.K. Lodhi	
		1		Cultivation of Wheat Crops	DR. M.K. Kaushik, Dr. S.K. Lodhi & Dr. R.B. Yadav	
	Leaf lets / Pamphlet /Poster / any other	1	2016-17	मसूरकोउन्नतखेती	Dr. R.B. Yadav, Dr. S.K. Lodhi & Sh. Suresh Sharma	
		1		सूचना	Dr. R.B. Yadav & Dr. S.K. Lodhi	
		1		सूचना	Dr. R.B. Yadav & Dr. S.K. Lodhi	
		1		सूचना	Dr. R.B. Yadav & Dr. S.K. Lodhi	
5	NDUA & T, Faizabad					
	Research Paper	1	2016	Studies on seed quality parameters in Indian mustard { <i>Brassica juncea</i> (L.) Czern and Coss.}	Srivastava, K.K.; Vimal, S.C.; Giri, S.P. and Verma, K.	<i>Intl. J. Agric. Sci.</i> , 12(2):70-72.
		1	2016	Effect of bio fertilizers, sulphur and boron for the optimization of seed yield and its quality parameter in chick pea (<i>Cicer arietinum</i> L.)	Chaudhary ,R. K.; Kumar, Pradeep; Yadav, R.D.S. ; Kushwaha, G. D.; Yadav, H.C. and Singh , R.B	<i>Progressive Research</i> , 11 (Special I): 173-174
		1	2016	Studies on correlation and path coefficient analysis of vigour index and its contributing parameters in Indian mustard (<i>Brassica juncea</i> L.	Vimal, S.C.; Maurya, J.K.; Gaur, S.C. and Verma, K.K.	<i>Progressive Research-An Intl. J.</i> , 11:34-37



				Czern and Coss.) germplasm		
		1	2016	Character association and path analysis of yield components and seed quality parameters in wheat (<i>Triticum aestivum</i> L.)	Vimal, S.C.; Singh, A.K. and Santosh	<i>Prog. Res.-An Intl. J.</i> ,11:546-548
		1	2016	Effect of sowing methods, NPK levels and zinc sulphate on grain yield and its attributing traits in wheat (<i>Triticum aestivum</i> L.)	Kumar, M.; Yadav, R.D.S.; Kumar, N.; Sarvjeet, Vimal, S.C.	<i>Res. Environ. Life Sci.</i> , 9(4):493-496
		1	2016	Magnitude of seed dormancy in rice varieties and mechanism of induction	Srivastava, J.P, Said, Mohammad, Babu, Deepak and Kumud	<i>Prog. Res. An Intl J.</i> 11 (Special 1): 85-87.
6	BHU, Varanasi					
	Technical bulletin	1	2016	Quality Seed Production of Rice	Singh P. K., Singh R. K., Dar M.H., Zaidi N. W., Bisen Prashant and Singh U. S.	Banaras Hindu University & IRRI, New Delhi 1:1-61
7	BAU, Ranchi					
	Research paper	1	2016	Increased yield and crop diversification through adoption of climate resilient varieties among pulse crops in India: An appraisal.	R.P. Singh	Climate Change and Environmental Sustainability, 4 (1), 47-59.
		1	2016	Yield increase in major oilseeds in India through replacement by new climate resilient varieties.	R.P. Singh	Climate Change and Environmental Sustainability, 4(2), 211-223.
		1	2016	Local Seed System Strengthening in Marginal Environments to Mitigate Climate Change Effects vis-a-vis Ensuring Food Security in India. Climate Change and	R.P. Singh	Climate Change and Environmental Sustainability, 4(2), 158-177.



				Environmental Sustainability.		
		1	2016	Optimizing Seed Replacement Rates in Jharkhand: Present Scenario, Challenges and Opportunities.	R.P. Singh & S. Singh	Jharkhand Journal of Development and Management Studies, 14(2), 6987-7007.
		1	2016	The prevalence, productivity and protection of traditional varieties vis-à-vis modern varieties in Eastern India: An appraisal.	R.P. Singh, A. Kumar & S.K. Pal	Jharkhand Journal of Development and Management Studies, 14(2), 6955-6970.
	Invited paper by Indian Seed industry Journal (National Seed Association of India)	1	2016	Challenges and Opportunities Before Indian Seed Industry to Increase Export Potential.	R.P. Singh	Seed Times, 8(1-2), 38-64.
8	BCKVV, Mohanpur, Nadia					
	Popular Article	1		Progress of Mega Seed Project in Seed Production	P. Chakraborti	
	Leaf lets / Pamphlet /Poster / any other	1	2017	Seed production procedure of Rice	BCKV	
9	UBKV, Pundibari, Cooch Behar					
	Research Paper	1	2017	Two Tier System of Cultivating Field Crops as Relay Cropping in Rice Field – A New Concept to Improve the Livelihood of Resource Poor Farmers.	Bidhan Roy and Ashamanjon Barman.	ICAR-IIRR News Letter – 1(1): 34



	Technical bulletin	1	2015-16	Beej Katha	RRS (OAZ)	
		1	2016-17	Beej o Chara toirir prajukti	RRS (OAZ)	
10	OUA&T, Bhubaneswar					
	Research Paper	1	2016	Effect of long-term use of fertilizers / nutrients on seed yield and quality in rice.	Pradhan, S., Swain, S. K., Rout, K. K., Mohanty, S. and Muduli, K. C. 2016	<i>Oryza</i> , 53 (1):48-51
		1	2016	Effect of seed colouring with natural and artificial dyes on storability of black gram seeds.	Das, S., Mohanty, S. and Swain, S. K. 2016.	<i>Seed Research</i> , 44 (1): 70-75.
		1	2016	Effect of seed treatment on seed enhancement in coriander. <i>The Bioscan</i> , 11 (1): 579-582.	Beura J. K., Priyadarsini, A., Tarai, R. K., Kar, A. K. and Swain, S. K. 2016	<i>The Bioscan</i> , 11 (1): 579-82.
		1	2016	. Effect of seed colouring with natural and artificial dyes on storability of maize seeds..	Das, S., Mohanty, S. and Dash, S. 2016	<i>Journal of Crop and Weed</i> , 12 (2): 53-59
		1	2016	Effect of seed colouring with natural and artificial dyes on storability of paddy seeds.	Das, S., Mohanty, S., Swain, S. K. and Mohanty, S. K. 2016	<i>Oryza</i> , 53 (4): 437
		1	2016	Effect of seed biopriming on field performance of common bean (<i>Phaseolus vulgaris</i> L).	Monalisa, S.P., Kar, A.K., Palei, Kisan and Sahu, G.S. 2016	<i>Environment and Ecology</i> , 34 (4B): 1685-1688.
	Technical bulletin (Odia booklet)	1	2016-17	i) Seed Production technique in Pigeonpea;	Dr S Sahu <i>et al.</i> 2017.	
		1		ii) Seed Production technique in Greengram and Blackgram		
		1		ii). “Unnata Cheenabadam Bihana Utpadana” (Quality Seed Production of Groundnut)	Kar, A. K., Dash, D. and Mohanty, S. 2017	



	Leaf lets / Pamphlet /Poster / any other (Odia leaflet)	1	2017	i) <i>Unnata Dhana Bihana Utpadana</i> ” (Quality Seed Production of Rice).	Kar, A. K., Dash, D. and Mohanty, S. 2017.	
		1		ii) <i>Unnata Muga O Biri Bihana Utpadana</i> ” (Quality Seed Production of Greengram and Blackgram)	Kar, A. K., Dash, D. and Mohanty, S. 2017	
		1		iii). “ <i>Unnata Cheenabadam Bihana Utpadana</i> ” (Quality Seed Production of Groundnut)	Kar, A. K., Dash, D. and Mohanty, S. 2017	
11	AAU, Anand					
	Popular Article	1	April – 2016	Gunavattasabhar beej mate kapanee pachheenee prakriyao ane vyavasthapan	Prof. J. S. Doshi, Prof. V. B. Patel and Dr. A. D. Patel	Krushi Govidhya, ISSN 2320-8902 pp.10-14.
		1	May-16	‘Anubhav Seed’ in Krushi ane salagn kshetronee vaigyanik mahitee	Prof. J. S. Doshi, Prof. V. B. Patel and Dr. A. D. Patel	Ext. 35:1:2016:30000; ISBN No. 978-81-931618-5-2, pp. 68-72
		1	March – 2017	Gunavattasabhar beej nee agatyata ane utpadananaa dharadhoran	Patel J. A.; Patel N. P. and J. S. Doshi	Krushi Karm quarterly, pp. 9-16.
		1	Mar-17	Gunavattasabhar beej mate kapanee pachheenee prakriyao, in Uni. Book: ‘Krushi pakoma processing ane mulyavardhan’	Prof. J. S. Doshi, Dr. V. B. Bhalodiya and Dr. C. S. Baladhiya	ISBN 978-93-5268-433-5; pp. 55-63
12	JAU, Junagarh					
	Research Paper	1	2016	Genetics of seed related attributes in cowpea [<i>Vigna unguiculata</i> (L.) Walp.]	Patel, J. B.; Patel, Hiral; Sharma, S. C. and Acharya, S.	<i>Legume Research –An International Journal</i> . 39(1): 1-6.
		1	2016	Qualitative and quantitative evaluation of seed vigour and	Patel, J. B.; Ribadiya, K. H. Sondarva, Jyoti, Babariya,	<i>AGRES- An International e-Journal</i> . 5(2): 111-120.



				viability by tetrazolium test in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.]	C. A. and Bhatiya, V. J.	
		1	2016	Characterization of wheat varieties (<i>Triticum</i> spp.) through seed morphology.	Patel, J. B.; Ukani, J. D.; Babariya, C. A. and Ramani, P. S.	<i>Journal of Applied and Natural Science</i> , 8(1) : 464-468.
		1	2016	Effect of growth regulators and stages of spray on seed yield and seed quality parameters of ridge gourd [<i>Luffa acutangula</i> (Roxb) L.].	Sondarva, Jyoti, Patel N. B. and Patel, J. B.	<i>Journal of Applied and Natural Science</i> , 8(3) : 1551-1555.
		1	2016	Performance of neem products on the storability of mungbean [<i>Vignaradiata</i> (L.) Wilczek] seeds.	Babariya, C. A.; Patel, J. B.; Ribadiya, K. H.; Sondarva Jyoti and Bhatiya, V.J. 2016.	<i>Indian Journal Agricultural Research</i> , 50(6): 573-578.
	<i>Review Article</i>	1	2016	Effect of seed size on seedling vigour, plant growth, seed yield and its parameters: A review.	Patel, J. B.; Bhatiya, V. J.; Babariya, C. A. and Sondarva, Jyoti.	<i>Res. Environ. Life Sci.</i> , 9(7): 859-864.
		1	2016	Seed quality enhancement through seed coating, pelleting and hardening in field crops: A Review	Vaddoria, M. A.; Patel, J. B.; Patel, N. B. and Kulkarni, G. U.	<i>.Progressive Research: An International Journal</i> , 11(Special IX): 6284-6299.
13	NAU, Navsari					
	Leaf lets / Pamphlet / Poster / Any other	1	2017	Gunvattasabhar bijni agatyata ane utpadan na dharadhorano ane tenu mahatva	Dr. C. G. Intwala; Dr. D. A. Chauhan	
		1	2017	Dangarni sudharel jatonu bij utpadan	Dr. C. G. Intwala; Dr. D. A. Chauhan; Dr. P. B. Patel	
		1	2017	Kathod pakoni sudharel jato ane bij utpdan	Dr. C. G. Intwala; Dr. D. A. Chauhan; Dr. A. B. Patil	
		1	2017	Sankar divela bij utpadan	Dr. C. G. Intwala; Dr. D. A. Chauhan; Dr. R. S. Bhakta;	



					Dr. V. A. Lodam	
14	IGKVV, Raipur					
	Leaf lets / Pamphlet /Poster / any other	1	2017	प्रमुखरबीफसलाँकाबीजउत्पादन	. . . ₹ , . . .	
		1	2017	छत्तीसगढराज्यकेलिएउपयुक्तप्रमुखदलहनीएवंतिलहनीफसलाँकोउन्नतकिसमकेगुण	. . . ₹ .	
		1	2017	बीजप्रमाणीकरणकामहत्व	. . . ₹ , . . . ”	
		1	2017	ई ई त्र	. . . ₹ , . . . ”	
15	VNMKV, Parbhani					
	Research Paper	1	2017	Effect of seed priming on field emergence, growth and yield of pigeon pea.(Multi-logic in sciences)	Dr. G.S. Pawar and Dr. V.D. Salunke	Multilogic in Science
	Leaf lets / Pamphlet /Poster / any other	1		Beej Ugavan Kshamata va biyne kharedichi pernipurva Dakskata	Dr. G.S. Pawar, Dr. V.D. Salunke, Prof. D.V. Patil	--
		1		Bijotpadan Tantradnyan	Dr. G.S. Pawar, Dr. V.D. Salunke, Prof R.M. Kokate	--
16	Dr. PDKV, Akola					
	Book.	1	2016	Seed production technology of	Dr. Dinkar Deshmukh; Dr.	



				agricultural and horticultural rabi crops	Dilip Mankar; Dr. Avinash Rathod; Shri Waman More	
	Book.	1	2016	Minor millet:Ragi,Kodo and Kutki seed production Technology	Dr. Dinkar Deshmukh; Dr .Dilip Mankar; Dr. Yogesh Charjan; Dr. Avinash Rathod; Shri Waman More	
	Paper	1	2016	Stability analysis in Groundnut	M.Y. Ladole; D.T. Deshmukh, P.V. Mahatale, M.S. Dange, E.R. Vaidya and D.R. Sapkal	PKV Res.J.40(2),10-15
17	UAS, Bengaluru					
	Research Paper	1	2016	Effect of packaging and desiccants on storability of soybean seeds	Nethra N, Uma Rani K, RameGowda, Rajendra Prasad, S and S. NarayanaSwamy	<i>Seed Science and Technology</i> , 44, 1-5.
		1	2015	Seed birth to death: dual functions of reactive oxygen species in seed physiology	S.P.Jeevan Kumar, S. Rajendra Prasad, Rintu Banerjee and Hakradharthammineni	<i>Annals of Botany</i> 116:663-668.
		1	2016	Seed Quality Markers: A Review Research & Reviews	S P Jeevan Kumar, S. Rajendra Prasad, Madan Kumar, Chandu Singh, A. K. Sinha and AvinashPathak	<i>Journal of Botanical Sciences</i> ,5 (S3)13-18.
		1	2016	Influence of plant growth regulators on the plant growth and seed yield of f1 hybrid rice (KRH-4)	Nataraj, K., RameGowda, Shivkumar, N., Yogananda, S. B., Devaraju, P. J. and Mahadevu, P.	<i>International Journal of Agriculture Sciences</i> , 8(42): 1854-1856.
		1	2016	Fingerprinting and genetic purity assessment of rice varieties and hybrids through microsatellite	Nethra, N., Pushpa, C., Uma Rani, K., RameGowda and Rajendra Prasad, S.	<i>Seed Sci. & Technol.</i> , 44 (3), 1-10



				markers.		
		1	2016	Comparative Protein Fraction analysis for Commercial Hybrid Seed Purity Testing in Cotton (<i>Gossypiumhirsutum</i> L.).	DhandapaniRaju, Avinash P, Vijayakumar H.P., AmbikaRajendran, Somasundaram G., Natarajan.S and Rajendra Prasad S.	<i>Journal ofNatural Fibers</i> , 13(3): 268-276.
		1	2016	Effect of Seed Coating with synthetic Polymer and seed treatment chemicals on seed quality and storability of maize hybrid Byrava super (<i>Zea mays</i> L.)	Nethra N, Uma Rani K, RameGowda and Narayanaswamy S.	<i>Seed Research</i>
		1	2016	An overview of national and international seed quality assurance systems and strategies for energizing seed production chain of field crops in India	S. Rajendra Prasad, J.S. Chauhan and K.V. Sripathy	<i>Indian Journal of Agricultural Sciences</i> ,87 (3)
		1	2016	Seed production of field crops in India: Quality assurance, status, impact and way forward	J S Chauhan, S. Rajendra Prasad, Satinder Pal, P R Choudhury and K UdayaBhaskar, J.	<i>Indian Journal of Agricultural Sciences</i> ,86 (5): 563-79
		1	2016	Seed dormancy in ornamental plants: A review.	A K Tiwari, T N Tiwari and S. Rajendra Prasad	<i>Indian Journal of Agricultural Sciences</i> 86(5):580-592
		1	2016	Seed priming with growth regulators ameliorates salt stress in wheat (<i>Triticumaestivum</i> L.)	T N Tiwari, Kamal Dipti, Prasad S Rajendra.	<i>Indian Journal of Agricultural Sciences</i> , 86 (8): 980–983
		1	2016	Effect of seed treatments using plant growth regulators on wheat (<i>Triticumaestivum</i> L.) seedling establishment, growth, seed yield and quality	Rajiv Kumar Singh, D.K. Agarwal, T.N. Tiwari, Hardev ram, S. Rajendra Prasad and Renu.	<i>Annals of Agriculture Research New Series</i> , 37 (1), 43-48



		1	2016	Low Energy Electron Treatment – An Eco-Friendly Tool against Seed Borne Disease.	Vishwanath, K., AndreWeidauer, Pallavi, H.M., Frank-HolmRoegner and Rame Gowda	<i>Seed Research</i> , 44(1): 23-31
		1	2016	A non destructive approach for identification of newly released rice hybrid (KRH-4) and its parental lines,	Pushpa, C., RameGowda, Nethra, N., and N. Shivakumar.,	<i>Indian Journal of Ecology</i> , 43 (2); 22-30.
		1	2016	Studies on the effect of new insecticidal molecules as seed treatment for management of pulse beetle <i>Collosobruchus maculatus</i> (F) and seed viability of cowpea seeds during storage under ambient conditions,	G.T.Thirumalaraju and B.L.Jyothi.,	<i>Mysore J. Agric. Sci.</i> , 50(3):521-528
		1	2016	Biochemical investigations on vigour enhancement in aged seeds upon seed priming in onion,	Umesha, S.N. Vasudevan, K. Bhanuprakash, B. Manjunatha, G. Sarika, N. Amruta	<i>Journal of Applied and Natural Science</i> , 8(2):855 – 859
		1	2017	Effect of seed film coating polymers on growth and yield of maize hybrid Hema.	Sumalata, B., Parashivamurthy and Siddaraju, R,	<i>Mysore J.Agric. Sci.</i> 51 (1) 108-112
		1	2017	Influence of seed fortification on crop growth and seed yield in cluster bean [Cyamopsistetragonoloba(L.) Taub.] varPusanavbahar	Umesha, B. C. Channakeshava, K. Bhanuprakash, J. Lakshmi, Soumya S. Desai	<i>Environment & Ecology</i> 35 (3C) : 2232—2236
	Popular Article	1	2016	Seed Production Technology in Maize	Vishwanath, K., Maruthi, J.B. and Pramila, C.K.,	Maize : The Field Guide edited by Lohitasswa, et. al. Published by the UAS, Bangalore)
		1	2016	ShekharanaeyalliBeejakeollagesaeri	G.T.Thirumalaraju and	<i>KrushiVignyana</i> , 40(3):4-8.



				haanimaaduvakitagalumathuavugal ahathoti	B.L.Jyothi.	
		1	2017	Kadalebeejotpadaneyasudharitabes ayakramagalu.	T.M. Ramanappa, S. Rajendra Prasad and M.S. Shashibhaskar	Published by National Seed Project (Crops), University of Agricultural Sciences, Bengaluru
Technical bulletin/Abstract		1	2017	Smart delivery of analytes through polymer nanofibre seed coating by using electrospinning method.	K. UdayaBhaskar, C. Radhika, K.V. Sripathy, Govind Pal, K.V. Ramesh and S. Rajendra Prasad	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:265.
		1	2017	Effect of packaging and desiccant on storability of groundnut seed (<i>Arachis hypogeal L.</i>)	K. Uma Rani, Latha C Naik, N. Nethra, RameGowda and S. Rajendra Prasad,	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:303.
		1	2017	Studies on the effect of honeybee pollination on seed yield and quality parameters of pigeon pea (<i>Cajanuscajan L.</i>)	B.L. Jyothi, SumalathaByadgi, RameGowda, S. Rajendra Prasad and G.T. Thirumalaraju	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:112
		1	2017	Effect of priming on seed quality attributes of cucumber (<i>Cucumissativus L.</i>) during storage.	K.J. Sowmya, RameGowda, K. Bhanuprakash, H.S. Yogeesh and S. Rajendra Prasad,	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:309.
		1	2016	Assessment of seed deteriorative changes in groundnut (<i>Arachishypogaeae L.</i>),	S.P. Jeevan Kumar, S. Rajendra Prasad, D.K. Agarwal, K.V. Sripathy, Govind Pal, Avinash Kumar Pathak, Jitendra Kumar.	International conference on Agricultural Sciences and Food Technologies for Sustainable Productivity and Nutritional Security, held at UAS, GKVK campus, Bengaluru, from 25-27 th August,2016.
		1	2016	Assessment of seed deterioration mechanisms in groundnut using biochemical and molecular	S. P. Jeevan Kumar, Dinesh K. Agarwal, Sripathy K.V, Govind Pal, S. Rajendra	International Conference on "Climate Change Adaptation and Biodiversity: Ecological



				approaches (<i>Arachishypogaea</i> L.)	Prasad Elayaraja K, Madan Kumar, A.K. Sinha, Avinash Kumar Pathak and Abhishek Kumar Rai	Sustainability and Resource Management for Livelihood Security” scheduled from 08 to 10, December 2016 at Port Blair.
		1	2017	Seed quality as influenced by seed production locations in rice hybrid KRH-4.	BalappaSattigeri, S. Parashivamurthy, S. Rajendra Prasad, Umeha and J. Lakshmi.	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:174.
		1	2017	Enhancement of Seed quality attributes through biopriming in cucumber (<i>Cucumissativus</i> L.)	K.J. Sowmya, RameGowda, K. Bhanuprakash, H.S. Yogeeshha and S. Rajendra Prasad,	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:179
		1	2017	Mitigating abiotic stress conditions through seed priming in cucumber (<i>Cucumissativus</i> L.).	K.J. Sowmya, RameGowda, K. Bhanuprakash, H.S. Yogeeshha and S. Rajendra Prasad.	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:191.
		1	2017	Seed priming in relation to seed quality enhancement and isozyme changes and its effect on crop performance in pigeon pea (<i>Cajanuscajan</i> L).	T.N. Tiwari, A.K. Tiwari, S. Rajendra Prasad and D.K. Agarawal.	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:227.
		1	2017	Enhancement of seed vigour through rhizospheric bacterial isolates seed inoculation in soybean (<i>Glycine max</i> L. Merril).	Birendra Prasad, Amrendra Kumar, Ajay Veer Singh, Amajeet Kumar and S. Rajendra Prasad.	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:228.
		1	2017	Seed Processing and storage options for sustainability of seed supply system,	S. Rajendra Prasad, Umeha and J. Lakshmi	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi. P.P.No:86-94.
		1	2017	Influence of seed production locations, seed treatment and packaging materials on storability	BalappaSattigeri, Parashivamurthy, Umeha and Lakshmi, J.	XIII Agri. Sci. Cong. 2017, Univ. Agri. Sci. (B), page -64



				of Rice hybrid KRH-4 seeds.		
		1	2016	Seed Production Technology in Maize InMaize	Vishwanath, K., Maruthi, J.B. and Pramila, C.K.	The Field Guide edited by Lohitaswa, <i>et. al.</i> Published by the UAS, Bangalore.
		1	2017	“Innovative technique to enhance seed longevity of soybean (<i>Glycine Max L.</i>)”	RameGowda, Uma Rani. K., Nethra. N., and Latha C Naik,,	XIII Agricultural Science Congress organized by University of Agricultural Sciences, Bengaluru and NAAS, New Delhi. Pg: 383.
		1	2017	Influence of seed production locations, seed treatment and packaging materials on storability of Rice hybrid KRH-4 seeds.	BalappaSattigeri, Parashivamurthy, Umesha and Lakshmi, J.,	XIII Agri. Sci. Cong.2017, Univ.Agri.Sci. (B), page -64
		1	2017	Seed quality as influenced by seed production locations in rice hybrid KRH-4.	BalappaSattigeri, Parashivamurthy, Rajendra Prasad, S.,Umesha and Lakshmi, J.	ISST XIV National Seed Seminar, ICAR-IARI, New Delhi. Page 174.
18	PJ TSAU, Hyderabad					
	Research articles	1	2016	Effect of sinusoidal electromagnetic field pretreatment of maize seeds borne fungi	I Swarnalatha Devi, K Parimala, V Bharathiand T Leelapriya	Indian Journal of Plant Protection :Vol.44, No.2,2016 (229-232)
		1	2016	Effect of priming on germination and seedling quality parameters of chickpea (<i>Cicer arietinum</i>)	K.Parimala, I.Swarnalatha Devi, A.Padmasri & V.R.K.Murthy	The Andhra Agricultural Journal (Accepted)
19	TNAU, Coimbatore					
	Research Paper	1	2016	Effect of time of sowing, spacing between plant and different fertilizer levels on green gram (<i>Vigna radiata L Wilczek</i>) in seed	Vakeswaran.V, Jerlin.R, Selvarju.P and Bhaskaran.M	International Journal of Agriculture Sciences, ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 8, issue 57, pp- 3147-



				yield attributing characters		3150.
		1	2016	Influence of seed designing on the productivity and the resultant seed quality of rice cv.ADT 39	Sowmiyabanu.S, Srimathi.P and Vakeswaran.V	International Journal of Agriculture Sciences, ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 8, issue 57, pp- 3144-3146.
		1	2016	Empowering farmers into seed producers through on farm demonstrations and trainings in Erode District, Tamil, India,	Sasthri.G and Vakeswaran.V	International Coference on open an distance learing for sustainable development in agriculture (ODLSDA - 2016) pp.115-117
	Research Abstract	1	2016	Bringing green manure seed production in value chain: A Success Story. International Conference on Open and Distance Learning for Sustainable Development in Agriculture	R.Vijayan., P.Selvaraju, K.Nelson Navamaniraj and K.Malarkodi	November 24-25, 2016 Souvenir & Extended Abstracts.(Eds.V.Gomathi et al.) Pp.228-230. (ISBN No.978-93-84234-843), Aswanth Offset publishers, Coimbatore.
		1	2016	Seed development and maturation in Ashwagandha (Withania somnifera Dunal.),	V. Vakeswaran, M.B. Arun Kumar and V.Krishnasamy	Seed Research, Vol. 44 (2): 91-178, 2016 [NAAS rating : 4.72]
		1	2017	100 per cent seed germination : a myth or a reality? Abstract published in XIV National Seed Seminar 2017 – “Food Security through Augmented Seed Supply under climate uncertainties”	P. Selvaraju and Anil Sebastian	Indian Society of Seed Science and Technology, Division of Seed Sci. & Technology, IARI, New Delhi from 28th – 30th January, 2017. Page 232.
	Research Abstract	1	2017	Attempt to assess the pattern of loss in vigour and viability of ground nut seeds. Abstract published in XIV National Seed Seminar 2017 – “Food Security through Augmented Seed Supply under climate	V. Vakeswaran, P. Selvaraju and M. Bhaskaran	Indian Society of Seed Science and Technology, Division of Seed Sci. & Technology, IARI, New Delhi from 28 th – 30 th January, 2017. Page 309.



				uncertainties”		
		1	2017	Studies on the Seed Borne Mycoflora from Cultivated Rice Varieties of Tamil Nadu and their Effect on Germination and Seedling Vigour Abstract published in XIV National Seed Seminar 2017 – “Food Security through Augmented Seed Supply under climate uncertainties”	N. Indra	Indian Society of Seed Science and Technology, Division of Seed Sci. & Technology, IARI, New Delhi from 28 th – 30 th January, 2017. Page 289.
		1	2017	Detection and Identification of Seed borne mycoflora in Blackgram (Vigna mungo L. Hepper) Abstract published in XIV National Seed Seminar 2017 – “Food Security through Augmented Seed Supply under climate uncertainties”	Indra. N	Indian Society of Seed Science and Technology, Division of Seed Sci. & Technology, IARI, New Delhi from 28 th – 30 th January, 2017. Page 289.
	Technical bulletin	1	2016	Seed quality control system. In: Induction training on Seed Testing	P.Selvaraju and Dr.R.Umarani	The Director, SAMETI, Kudumiyanmalai.
		1	2016	Importance of quality seeds in crop production, generation system of seed multiplication in India and agencies involved in seed production. In: Induction training on Seed Testing	P.Selvaraju and Dr.S.Sundareswaran	The Director, SAMETI, Kudumiyanmalai
	Technical bulletin	1	2016	Seed germination test and seedling evaluation. In: Induction training on Seed Testing	S.Kavitha and V.Vakeswaran	The Director, SAMETI, Kudumiyanmalai.
		1	2016	Recent trends in seed production, post harvest handling and value	P.Selvaraju, R.Umarani, K.Sundaralingam, K.	Thannambikai publications, Coimbatore. Pp.1- 508. ISBN



				addition techniques for effective seed supply chain	Malarkodi and K. Nelson Navamaniraj	No.978-93 84-234-744.
		1	2016	A compendium on Varietal Characters of TNAU varieties in seed supply chain	Selvaraju, P., M.Bhaskaran, R.Umarani, K.Malarkodi, K.Sundaralingam, V.Vakeswaran and K.Nelson Navamaniraj	TNAU Press, TNAU, Coimbatore. Pp: 1-335 (ISBN No. 978-93-83799-30-5)
20	KAU, Trissur					
	Popular Article	1	2016	Paddy seed production and food security	Faseela.K.V.	Kalpadhenu 35(4)
	Technical bulletin	1	2016-17	Manual on Quality Seed Production	Faseela.K.V.	Training for Seed Farm Officers on Quality Seed Production Processing and Marketing on 1/9/2016
21	IARI, New Delhi					
	Popular Article	1	2016	रबीको प्रमुख शाकोय फसलों में बीज प्रबंधन	, जर्ना ,	(9): 105-116
	IARI, Indore					
	Popular Article	1	2016-17	”	फि ,	त्र, 27 2016, 3, 08, न , मध्य प्रदेश, छ- 12
		1	2016-17	गेहूँ को खेती का तैयारी”	फि ,	क 2016, न , छ प्र , छ 10-13



					क्षेत्रीय केन्द्र, न	
		1	2016-17	सतत उत्पादकता हेतु गेहूँ को वैज्ञानिक खेती	फि , , फि व प्र क्षेत्रीय केन्द्र, न	त्र, 27 फि 2016, 4, 03, न , द प्र , छ-10
Technical bulletin	1	2016-17	गेहूँ को विशेषता एवं इसके पौष्टिक व्यंजन. (ड्यू) फि , , प्र , फि , दिव्या अंबटी, श्र साई प्रसाद	2016. - क्षे. न / प्रसार पत्रनं. 4, क , 41	
		1	2016-17	मध्य भारत में गेहूँ के प्रमुख कोट एवं बीमारियाँ	प्र , , फि , फि , दिव्या अंबटी, श्र साई प्रसाद	2016. - क्षे. न / प्रसार पत्रनं. 5, क , 41
IARI, Karnal						
Research Paper	1	2016	Pulsed magnetic field improves seed quality of aged green pea seeds by homeostasis of free radical content.	Bharadwaj. J. Anand, A., Pandita, V.K., Nagarajan, Shantha	<i>J. Food Sci. Technol.</i> 53 (11), 3969-3977 (DOI.10.1007/s1319 - 016-2392-8.) (NAAS Rating 7.14)	
		1	2017	Effect of plant density and foliar nutrient application on seed yield and quality in Asiatic carrot (Daucus carota)	Manimurgugan, C. Pandita, V.K., Tomar , B.S, Gupta, N and Singh, P.M	<i>Indian Journal of Agricultural Sciences</i> , 87 (3):419-424. (NAAS Rating 6.17)
		1	2017	Post Harvest Management of Karnal Bunt in Wheat by Mechanical Seed Processing..	Kumar A. and Gupta A.	<i>Indian Journal of Agricultural Sciences</i> . (Accepted) (NAAS rating 6.0)
		1	2016	Management of Pathogens and Pests to Maintain Seed Quality	Gupta A. and Kumar A.	<i>Journal of Grain Storage Research</i> , Inaugural Issue, <i>Indian</i>



				during Storage for Sustainable Agriculture		<i>Journal of Entomology</i> 78 (Special issue) April 2016: 64-78. (NAAS rating 4.30).
		1	2017	उत्तमबीजोत्पादनमकृषकोंकोभागीदारी ग्र क्र		फामरज़फस्टपरियोजनाकेअन्तगतलवण ग्रस्तमृदाओमार्टकाऊकृषिउत्पादनसम स् 11-13 2017 कोआयोजितक्षमताविकासप्रशिक्षणकोस मारिकामाभाकृअनुप- केन्द्रीयमृदालवणताअनुसंधानसंस्थान, , 97-103
		1	2016	सब्जीफसलोंकाबीजबनातेसमयसावधानि	Hkkx pan] oh-ds- iafMrk ,oa ,l-lh- jk.kk	स् र् (पृष्ठसंख्या 63-64). द्व 17 क , 2016 ' न्न -समृद्धीकसान' , - वैज्ञानिककायशालाएवंबीजदिवस' केउपलक्षमेप्रकाशितपुस्तिका
		1	2016	लाभदायकएवंटकाऊसब्जीउत्पादनहेतुसं क्षे द्व 16-18 , 2017 'जलवायुस्माटकृषिद्वाराखाधान्नएवंपोष क्ष' विषयपरक्षमताविकासप्रशिक्षणकेअवसर परप्रकाशितप्रशिक्षणपुस्तिका (पृष्ठ 63-64).
		1	2017	खीरावर्गायसब्जियांमबीजउत्पादन.	. . . ,	श्व . 19;9द्वरु17
		1	2016	बासमतीधानकेप्रमुखरोगोंकाएककृतप्रबंध	रविन्द्रकुमारअनुजागुप्ताएवंवीके श्व	; प्रै 2016द्व पृष्ठ 7.11



		1	2017	WB2: Suksham paushak tatvo se bharpur genhu ki navintam kism.	Ravish Chatrath, Vikas Gupta, Satish Kumar, Omprakash, Raj Kumar, Madan Lal, Amit Sharma, Anil Khippal, Vinod Tiwari, Gyanendra Pratap Singh	IIWBR Extension Folder 62/2017 (Panjabi)
		1	2017	Quality Seed Production of Wheat in NEPZ.	A.K. Sharma, Lokendra Kumar, Anil Khippal and Raj Kumar	IIWBR Extension Folder 61/2017 (English)
		1	2017	Quality Seed Production of Wheat in NEPZ.	A.K. Sharma, Lokendra Kumar, Anil Khippal and Raj Kumar	IIWBR Extension Folder 61/2017 (Bengali)
		1	2016	क्षेत्र एवं परिस्थिति अनुसार गहू को प्रमुख कि स	, सत्यवीर सिंह, न	प्र -5 ल -
		1	2016	गहू बीज उत्पादन के वैज्ञानिक पहलू	, न, विनोद तिवारी एवं इन्दुशमा	प्र -6 ल -
		1	2016	बदलते जल वायु परिवेश में शून्य जुताई तकनी	, न, फि, लोकेन्द्र कुमार एवं इन्दुशमा	प्र -7 ल -
		1	2016	सुरक्षित बीज भण्डार	, न, फि, लोकेन्द्र कुमार एवं इन्दुशमा	प्रसारकाड-8 ल -
Training Compendium/ Manuals		1	2016	Unnat Krishi Samrudh Kisan. SMARIKA of Farmer scientist interactive workshop cum Seed Day, 2016.	Lokendra Kumar, Anil Khippal, Amit Kumar Sharma, Anuj Kumar, B.S. Tyagi and Gyanendra	Published by Director, ICAR-Indian Institute of Wheat and Barley Research, Karnal. pp 144.



					Singh	
23	VPKAS, Almora					
	Technical bulletin	1	2016	<i>Kharif Fasalon ka Beejotpadan</i>	-	-
24	CRIJAF, Barrackpore					
	Technical bulletin	1	2016	Disease free jute seed production West Bengal.	Sarkar S. K., Satpathy S., Chowdhury H., Kar, C.S. and Bera, A.	Res. Bull. No. 1/2016, ICAR-CRIJAF, Barrackpore, Kolkata. p.22
	Leaf lets / Pamphlet /Poster / any other Training manual	1	2016	“Improved production technologies of jute and mesta”/Pat o mesta utpadaner unnatta prajukti (In Bengali).	Shamna, A., Kumar, Mukesh, Anil Kumar, A, Ramesh, Babu, Bera, A. Pandey, S.K., Sarkar, S., and Mitra, S.,	All India Network Project on Jute and Allied Fibres, ICAR-CRIJAF, Barrackpore 700120, West Bengal, India , 36 P.
	Training manual. National level Training, 16th - 18 th March 2017	1	2017	Improved seed production technologies of jute and allied fibres.	Kar C.S., Bera, A. Kumar, Mukesh, Maruti R.T., Meena Kanti Kharbikar L.	NFSM Commercial Crop (Jute), ICAR-CRIJAF, Barrackpore 700120, West Bengal, India, 138p.
25	IIPR, Kanpur					
	Research Paper	1	2016	Relationship among some seed characters, laboratory germination and field emergence in chickpea (<i>Cicer arietinum</i> L.) genotypes differing in testa colour.	Amrit Lamichaney, PK Katiyar, S Natarajan and KV Sripathy	<i>Journal of Food Legumes</i> 29(1): 29-32.
	Popular Article	1	2016	X-ray image analysis of desi and kabuli seeds.	Amrit Lamichaney, Sripathy K, Umesh Kamble, PK Katiyar and SK Chaturvedi	<i>Pulses Newsletter.</i> 27(2). Pp 2.
		1	2016	Special feature of Seed Amendment Bill 2014.	Amrit Lamichaney, Ayushi Tripathy and PK Katiyar	Dalhan Alok pp. 77.
		1	2017	Farmers’ participatory seed production of pulse crops: an	PK Katiyar, Ayushi Tripathi and Amrit Lamichaney	In training manual on innovative extension methodologies for



				innovative approach		dissemination of pulse production technologies. Pp. 44-58.
	Technical bulletin	1	2016	Quality seed production of arid legumes	PK Katiyar, Amrit Lamichaney, Archana Singh, DN Gawande, Shiv Sewak, SK Chaturvedi, NP Singh	
		1	2016	Improved varieties of pulses for Madhya Pradesh	Archana Singh, Amrit Lamichaney, DN Gawande, RL Jat, PK Katiyar and NP Singh	
		1	2016	Improved varieties of pulse crops.	NP Singh, PK Katiyar, Shiv Sewak and Ayushi Tripathi	
		1	2016	Seed – A vital component for enhancing pulses productivity.	SK Chaturvedi, PK Katiyar, Amrit Lamichaney and NP Singh	
		1	2016	Pulses : Quality seed production and technologies development	S Rajendra Prasad, DK Agarwal, U Bhaskar, G Somasundaram, KV Sripathy, Govind Pal, K Elayaraja, PK Katiyar, Jeevan Kumar, TN Tewari, AN Singh, AK Singh, SK Rao	
26	DRMR, Bharatpur					
	Technical bulletin	1	2016	Mustard Seed Profile: ICAR-DRMR	Bhagirath Ram, V V Singh, A K Sharma, Pankaj Sharma, R S Jat, Priyamedha, H P Meena and Dhiraj Singh	



27	IISR, Indore					
	Technical bulletin	1	2016-17	सोयाबीनबीजउत्पादनहेतुउत्तमतकनिको प्र		
	Leaf lets / Pamphlet /Poster / any other	1	2016-17			
28	DGR, Junagadh					
	Leaf lets / Pamphlet /Poster /any other	1	2016	Extension folder on “Improved Groundnut Varieties Recommended for Rajasthan and Uttar Pradesh” Extension folder 03/2016. pp.1-8.	Narendra Kumar, Rathnakumar A. L., Radhakrishnan T., Ajay B.C., Makwana A. D. and B. M. Chikani	
		1	2016	राजस्थानऔरउत्तरप्रदेशकेलिएमूँगफली कोअनुशंसितउन्नतकस्मविषयपरप्रसार ल 04/2016. पृष्ठसंख्या 1-8.		
29	IIMR, Hyderabad					
	Technical bulletin	1	2016	Sorghum Nucleus, Breeder Seed Production, MSP & Distinctiveness, Uniformity & Stability (DUS).	Tonapi VA, Umakanth AV, Bhat BV, Kulakarni R, Hariprasanna, K, Suresh P and Aruna C.	In: Progress Report 2015-16. All India Coordinated Research Project on Sorghum (AICRP-S), 46th AGM2016, IIMR,
30	SBI, Coimbatore					
	Popular Article	1	2016	New Initiatives for Quality Seed Production at ICAR-Sugarcane Breeding Institute.	Prabakaran, A.J.	Status paper presented at the 47 th meeting of Sugarcane Research and Development Workers of Tamil Nadu & Puducherry held at VV Sugars, Perambalur, Oct 14-15, 2016. Pp 249-251.



	Technical bulletin	1	2016	Sugarcane Seed Production including Micropropagation. In: Hand Book on Sugarcane. ICAR-SBI, Coimbatore. PP 29-44.	Rajendra Prasad, N., D. Neelamathi and A.J. Prabakaran	
31	CIARI, Port Blair					
	Research Paper	1	2016	Farmers participatory seed production of rice and impact assessment in North Andaman. In:	Singh, P K, Gautam, R K, Singh, Awnindra Kumar, Zamir Ahmed S K, Sakthivel, K, Jaydhar, Hem Lata and Dam Roy, S.	Book of Abstracts of International conference on climate change and adaptation and biodiversity: ecological sustainability and resources management for livelihood security, Pp. 117.
	Poster	1	2015	Farmers participatory seed production of rice and impact assessment in North Andaman.	Singh, P K, Gautam, R K, Singh, Awnindra Kumar, Zamir Ahmed S K, Sakthivel, K, Jaydhar, Hem Lata and Dam Roy, S.	International Conference on “Climate change adaptation and biodiversity: Ecological sustainability and resource management for livelihood security” held at ICAR-Central Island Agricultural Research Institute, Port Blair during 8 th - 10 th December, 2016.
32	VSI, Pune					
	Popular Article	1	1.10.2016	Sugarcane Seed production technology	S.S.Katake	National Seed Day programme
	Leaf lets / Pamphlet	1	2016-17	Sugarcane Seed multiplication	S.S.Katake	Exhibition
33	UAS, Raichur					
	Research Papers	1	2016	Enhancing seed longevity of Hybrid Rice by coating with synthetic polymer and additives,	Basave Gowda., G.Y. Lokesh., B.S. Ganiger., B.N. Raghu. and Rekha	<i>The Ecoscan</i> , 10(3 and 4).



		1	2016	Effect of commercial storage and packaging Materials on seed quality of parameters in pigeonpea.	Basavegowda, Gururaj Sunkad, Arunkumar Hosamani and Raghu,B.N	<i>Environment and Ecology</i> (Accepted)
		1	2016	Augmenting seed supply system in groundnut through community seed bank in Raichur Dist, Karnataka.	Loksha,H., Vasudevan,S.N., Basavegowda., G.C.Shekar and Mahadevaswamy,	Economic Affairs 61(1):33-40.
		1	2016	Standerdization of screen sizes green gram for seed processing.	B.S. Ganiger., Basave Gowda., G.Y. Lokesh., and Rekha	<i>The Bioscan</i> ,10 (4).
		1	2016	Pollen cryopreservation for hybrid seed production in Hot pepper.	Rakesh C Mathad, Patil,S.B., Lokesh,G.Y. and Basave Gowda	<i>Seed research.</i> 43(2):252-256.
		1	2016	Impact of After-ripening in Hot Paper Seed Development during Post-anthesis Physiological Maturity.	Rakesh C Mathad, Basave Gowda and Patil,S.B,	<i>Indian Journal Hort.</i> 73(4):607-610.
	Abstracts presented in seminar/ conferences etc	1	2017	Alternative Seed System for Enhanced Availability of Quality Seeds and Seed/Varietal Replacement Rate – An Experience	Basave Gowda	International Seminar on Agriculture & Food for Inclusive Growth and Development, Page No.84.
		1	2017	Seed Industry in India-An Over View	Basave Gowda and Raghu.B.N,	International Seminar on Agriculture & Food for Inclusive Growth and Development Page No.85.
		1	2016	Opportunities for Hybrid Seed Production in Karnataka	Basave Gowda, Rakesh C Mathad and Raghu.B.N.,	Capacity Building & Skill Development in Hybrid Seed Production Technology, Page No.14 to 22.
		1	2017	Effect of planting geometry on seed	Basave Gowda, Krishnaik,	XIV National Seed Seminar 2017,



				yield and quality of kabuli chickpea (<i>cicer arietinum</i> L.) Genotype	Basavaraj Ganiger, Rakesh C Mathad and B.N.Raghu,	ICAR-IARI, New Delhi.
		1	2017	Effect of polymer seed coating with micronutrients on seed quality of sunflower	Basave Gowda, Pramod Golasangi, N.M.Shakuntala, S.R.Doddagoudar, I Shanker Goud,	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi.
		1	2016	Development of molecular seed genetic purity test for pigeonpea Cv. TS-3R	Rakesh. C. Mathad, Lokesh G Y and Basave Gowda,	International Conference on pulses, Marrakesh, Morocco, Page No.144.
		1	2016	Seed size studies in relation to quality attributing parameters in chickpea cv. GBM-2	B.S.Ganiger, Basave Gowda, G.Y.Lokesh, B.N.Raghu and Rekha	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi.
		1	2016	Enhancing Seed longevity of hybrid sunflower (KBSH-53) by coating with synthetic polymer additives	Vijay Kumar Kurnalliker, Basave Gowda, G.Y.Lokesh, S.B.Patil, B.S.Ganiger and Rakeshcmathad,	ISST XIV National Seed Seminar 2017, ICAR-IARI, New Delhi.
	Popular articles	1	2016	Newly released varieties of pulses and their special features	Basave Gowda and Lokesh.G.Y	
		1	2016	Protection plant varieties and farmers right – 2001	Basave Gowda, Raghu.B.N and Rekha	
		1	2016	Improved seed production technologies in pulses	Basave Gowda and Raghu.B.N	
		1	2016	Seed production and agronomic practices of chickpea	Basave Gowda, Raghu.B.N and Rekha	
		1	2016	Seed production and agronomic practices of cowpea	Basave Gowda, Raghu.B.N and Rekha	
		1	2016	Seed production and agronomic practices of Horse gram	Basave Gowda, Raghu.B.N and Rekha	
		1	2016	Seed processing and storage in pulses	Basavaraj S Ganiger, Basave Gowda, Lokesh.G.Y	



					and Rekha	
	Book	1	2016-17	Handbook on seed production of pulses (Kannada)	Basave Gowda, Raghu.B.N and Rekha	Special Officer (Seeds), UAS, Raichur.
34	PAJANCOA & RI, Karaikal					
	Research Paper	1	2017	Effect of desiccants on seed storability in rice (<i>Oryza sativa</i> L.) and black gram (<i>Vigna mungo</i> L.) under coastal environment" under the "Theme: Seed processing and storage options for sustainable seeds supply	Ramanadane, T.	National Seed Seminar 2017 during 28-30 January, 2017 at IARI, New Delhi
		1	2017	Integrated approach for safe Seed storage of Rice cv. ADT (R) 46 under coastal ecosystem	Ramanadane, T.	National seminar on Biodiversity conservation and farming systems for wetland ecology on 22 nd and 23 rd February 2017 at RARS, Kumarakom.
35	ICAR-RC, NEH Region, Manipur					
	Research Paper : Seed Research	1	2016-17	Participatory Development of Quality Seed Production Practices for Seed Village in North Eastern Hill Region	I. Meghachandra Singh, L. Somendro Singh, S. Gunamani Singh, Linda Monsang, M.A. Ansari, S. Monteshori, N. Prakash and S. V. Ngachan	XIV National Seed Seminar 28 th - 31 st January, 2017 at IARI, New Delhi
	Leaf lets / Pamphlet /Poster / any other	1	2016	Package and practices of RC maniphou-13	I. Meghachandra Singh, Bhuvaneshwori S, Y. Rajen Singh, S. Gunamani Singh, Sudhir kumar, Susheel kumar Sarma, M.A.Ansari, L.K. Baishya and N.	



					Prakash	
	Folder	1	2017	Aphaba phoudi puthoknaba lou-u pathap (package and practices of quality seed production of rice)	S.Gunamani Singh, I. Meghachandra Singh, Lydia Zimik, N. Arunkumar, N. Prakash	
	Total Publication	222				

Varietal Replacement :

S. No.	Center	Crop	New variety popularized	Year of release	Quantity of Seed produced (q)	Old varieties replaced	Remarks
1	SKUAS & T, Sringar	Paddy	Shalimar Rice-2	2013		China -1009	
			Shalimar Rice-3	2013		China -1039	
2	SKUAS & T, Jammu	Wheat	WH-1080	2011	120	DBW-16	
			WH-1105	2013	214	Raj-3765	
			HD 3086	2015	5	HD 2967	
			RSP-561	Notification Jan., 2015	10	DBW-17	
			RSP-564	Notification 2014	20	Pusa1121& B-370	
3	SVPUA & T, Meerut	Paddy	Jammu Basmati 129	Notification 2017			
			Pusa 1612	Notification 2015			
			Pusa Basmati-1509	Released / 19.09.2013 / 2817 (E)	112.37	PB-1121	It can be fitted in intensive cropping system in jurisdiction area of the University



4	NDUA & T, Faizabad	Wheat	NW 5054	2014	79.8	PBW 343	
		Barley	NB 1445	2014	62	Jyoti	
5	CSAUA & T, Kanpur	Moong	Swati	2012	8.1	Kharif Season	
		Wheat	K-1006 (New Shekhar)	2014	520	PBW-343, HUW-468, PBW-550 in U.P.	
			K-402 (Mahi)	2013	405	In U.P.	
			K-607 (Mamta)	2013	143	In U.P.	
			K-424 (G. Halana)	-	23	K-7903, K-9423	
6	BHU, Varanasi	Toria	Tapeswari	2014	4	T-9, Bhawani	
		Paddy	HUR 917	2015	145.5	BPT 5204	High yielding medium fine grain.
			HUBR 10-9	2014-15	25	HUBR 2-1	High yielding, fine grain.
		Wheat	HD 2967	2012-13	45	PBW 343	Timely shown, yield potential 45-50 q/ha.
7	AAU, Jorhat	Paddy	Gitesh	Released (2016)	2958	-	To offer variety suitable for staggered planting in <i>sali</i> season
			Ranjit Sub1	Pre-released	16	To replace Ranjit, Bahadur and other such varieties in flood affected area	q To offer submergence tolerant varieties for flash flood situation
			Dhansiri and sister lines	Pre-released	22	To replace landraces in water logged situation	q To offer variety options suitable for growing in water logged situation in <i>sali</i> season
			Shravani (TTB 404)	Pre-released	2044	To replace medium duration varieties	q To offer variety options suitable for



						(like Satyaranjan, Basundhara etc.)	growing in <i>sali</i> season in double crop situation.
		Rapeseed & Mustard	TS 36/TS 38/TS 46/ TS 67/JT 90-1	Pre-released	948	To replace the old varieties like M27, TS29 etc and to introduce varieties for late sowing	To promote varieties suitable for late sowing after harvest of <i>sali</i> (<i>kharif</i>) rice
8	BAU, Ranchi	Paddy	IR-64 (drt.)	2014	360	IR-64	
			Rajendra Mansuri	2007	35	BPT 5204	
			Abhishek	2007	219	IR 36	
			Naveen	2006	313	IR 36	
		Wheat	K 1006	2014	72	K9107	
		Arhar	IPA-203	2012	19	Bahar	
		R&M	Pusa 30	2013	28	Shivani	
9	BCKVV, Nadia	Paddy	CR-205	2014	71	Local	Long Bolt rice
			CR-304 (CR2644-2-6-4-3-2)	2014	78	Local	Long Bolt rice
			CR-305(CR2706)	2014	92	Local	Long Bolt rice
			CR-406		74	Local	
			Satyabhama	2013	78	Local	
10	AAU, Anand	Maize	GAYMH-1	2013	30 q breeder from Nil last year	Local/ GM 6	GM-6 breeder from 24.51 q to Nil
11	NAU, Navsari	Paddy	GNR-4	2012	2.1	GR-11	Breeder
			Purna	2014	43.7	GR-5, GR-8	TF
			GNR-5	2015	4.9	Dandi	Breeder
					15		TF



			GNR-6	2015	23.4	IR-28	TF
			GNR-7	2016-17	-	GAR-13	New variety
			GNRH-1 Hybrid	2016-17	4	-	New variety
		Finger millet	GNN-6	2014	4	GN-4	TF
			GNN-7	2016	0.95	GN-5	TF
		Indian Bean	GNIB-21	2013	0.2	Katargam	Breeder
					22.61		TF
		Cotton	G.Cot.Hy-6 (BG II)	2012	-	G. Cot. Hy. -10	TF(parents)
			G.Cot.Hy-8 (BG II)	2012	-	G. Cot. Hy. -12	TF(parents)
			G. Cot.-22	2013	-	G. Cot. - 20	TF
			GN. Cot.Hy.-14 (G hirsutum)	2014	-	G. Cot. Hy. - 12	TF
			GN Cot. Hy. - 18	2016-17	-	-	New variety
			GN Cot. - 22	2016-17	-	-	New variety
			GN Cot. - 26	2016-17	-	-	New variety
			GN Cot. - 27	2016-17	-	-	New variety
			GN Cot. - 28	2016-17	-	-	New variety
		Sugarcane	GNS-8	2013	-	NC-707, CO-86002	New variety
			GNS-9	2015-16	-	CON-671, CO-86002	New variety
			GNS-10	2016-17	-	CO-86032, CON-0265	New variety
12	IGKVV, Raipur	Paddy	Badshabhog Selection 1	2016	9	Jawaphool, Badshabhog	
			Vishnubhog Selection 1	2016	2.65	Vishubhog, Jawaphool, Tulsi	



						manjari	
			Dubraj Selection 1	2016	16.2	Dubraj	
			Tarunbhog Selection 1	2016	13.2	Badsahbhog, Jawaphool	
			CG Sugandhit Bhog	2016	12.3	Indira Sugandhit Dhan	
			CGZR 1	2016	4.5	-	
			DRR Dhan 42	2016	26.2	IR 64	
13	JNKVV, Jabalpur	Wheat	MP 3382	2015	49.94	GW 322, GW 273	30
		Wheat	MP 1255	2015	7.95	HD 4672	30
		Rice	JRV 1	2015	17.1	IR 36, IR 64	10
			JRH 19	2015	0.4	JRH 4, 5 and 8	10
		Chickpea	JKG 5	2015	0.8	JKG 2	10
		Soybean	JS 20-29	2015	1338.85	JS 93-05	35
		Soybean	JS 20-69	2015	202	JS 97-52	35
		Kodo	JK 137	2015	2.02	JK 41	10
		Rice	JR 81	2016	85.5	MTU 1010	10
		Rice	Chinoor (Improved)	2016	30.6	Chinoor	10
		Rice	Jeera Shankar (Improved)	2016	15	Jeera Shankar	10
		Rice	JR 767	2016	18	PS 3, PS 4 & PS 5	10
		Chickpea	JG 36	2016	1	JG 315	10
		Linseed	JLS 79	2016	1	JLS 23	10
		Niger	JNS 30	2016	1	JNC 6	10
14	Dr. PDKV, Akola	Wheat	AKAW 4627	456 (E), 16.03.12	28	Lok-1	
			PKV Washim	S.O.(E) 2125	9.6	Lok-1	



			(WSM-1472)	(A), 10.09.12			
		Bajra	PKV Raj	S.O.(E) 2125, 10.09.12.	0.62	ICTP-8203	
15	UAS, Bengaluru	Paddy	KRH-4	2013	60	KRH-2	Medium fine rice, Non scented
			KCP-1	2013	60-65	IR-64	Coarse paddy suitable for both low land and upland cultivation.
			KMP-175	2013	45-50	-	Short duration; long slender grain, good cooking quality
		Ragi	KMR-204	2012	35-40	-	Resistant to blast
		Maize (Hybrid)	Hema	2013	90-95	NAC-6002	
		Red gram	BRG-4	2014	14	-	Suitable for late sowing
			BRG-5	2016/ S.O. 3540(E.)	28-30	BRG-2	Resistance to Wilt, SMD; high yielding, suitable for vegetable and dhal purpose
		Cowpea	PKB-4	2012	10-Aug	PKB-6	Vegetable cowpea
			AV-5	2013	10-Aug	-	Vegetable cowpea
		Fodder cowpea	MFC-08-14	2013	7.2-7.5	KBC-2	Fodder cowpea
		Groundnut	KCG-2	2013	28-30	TMV-2	Tolerant to leaf spot and rust
			GKVK-5	2016/ S.O. 3540(E.)	28-30	TMV-2	Moderately resistant to Rust and Late leaf spot diseases, High



							Oil (50 %) and Protein percentage(22-23%)
		Chilli	KBCH-1	2013	-	-	CMS based hybrid, Multiple tolerance to anthracnose, bacterial wilt and powdery mildew
16	PJTSAU, Hyderabad	Paddy	RNR-15048	2015	3071	BPT-5204	-
		Paddy	KNM-118	2015	2040	MTU-1010	-
		Paddy	JGL-18047	2015	1451	MTU-1010	-
		Greengram	WGG-42	2015	4	-	Short duration
		Redgram	PRG-176	2015	456	-	Short duration
17	TNAU, Coimbatore	Paddy	ADT (R) 50	Released 2012/S.O. 1708(E)		CR 1009	
			CO (R) 51	2013		ADT 43 & ADT 45	
			TKM 13	2015		BPT 5204	
		Greengram	CO (Gg) 8	2013		CO (Gg) 7 (2005)	
		Maize	CO (MH) 6	Released 2012/S.O. 1708(E)		CO (MH) 5 (2006)	
		Ragi	CO (Ra) 15	2013		CPU 28	
		Groundnut	CO (Gn) 7	2013		CO (Gn) 4	
18	IARI, New Delhi						
	IARI, Indore (Reg. St.)	Bread wheat	HI 1605	Released in 2017	52 q	HI 1531	
		Durum wheat	HI 8759	-do-	80 q	HI 8498	



19	IWBR, Karnal	Wheat	DBW 17	2006	Breeder seed	PBW 343, PBW 502, DBW 17, HD 2687, UP 2338, WH 542, Raj 1482, WH 283, PBW 154, Raj 3077.	Latest varieties with high yielding potential and rusts resistance
			DBW 88	2014	Breeder & TL seed		
			HD 3086	2014	Breeder & TL seed		
			DBW 71	2013	Breeder seed		
			DBW 90	2014	Breeder seed		
			DBW 110	2015	Breeder seed		
20	VPKAS, Almora	Wheat	VL Gehun 953	2016	53.04		
		Rice	VL Dhan 68	2014	6		
21	IIPR, Kanpur	Pigeonpea	IPA 203	2015	21.2	NDA 1	
		Mungbean	Virat	2016	5.72	Samrat	
22	NRRI, Cuttack	Paddy	CR Dhan 500	2014	36	Durga, Varshadhan, CR 1014	
			CR Dhan 505	2014	5.1	Durga, Varshadhan, CR 1014	
			CR Dhan 203	2014	2	Shatabdi	
			CR Dhan 204	2014	3.5	Lalat	
			CR Dhan 205	2014	3	Anjali, Vandana	



			CR Dhan 206	2014	9	Anjali, Vandana	
			CR Dhan 303	2014	2.4	Naveen, Lalat	
			CR Dhan 307	2014	54.8	Swarna, Ranidhan, Pratikshya	
			CR Dhan 310	2015	17.62	Naveen	
			CR Dhan 907	2013	18.3	Geetanjali	
23	DR & MR, Bharatpur	Mustard	DRMRIJ-31	2013/2013	486.02	Rohini/Varuna	
24	IISR, Indore	Soybean	JS 20-29	2014	84	JS 335, JS 95-60	Having potential to withstand changing climatic adversity
			JS 20-34	2014	3.5	JS 95-60	Very short duration variety suitable for multiple cropping
			NRC 86	2015	111	NRC 37	High number of pods
25	IIMR, Hyderabad	Sorghum	CSH 30	S.O:952(E) 10.04.2013	10	CSH 14 & CSH 23	Early duration hybrid
			CSV 27	S.O:1708(E) 26.07.2012	80	CSV 15	Dual purpose variety
			CSV 33MF	S.O:1007(E) 30.03.2017	2	Co(FS)29	Multicut fodder
26	SBI, Coimbatore	Sugarcane	Co 0212	Released in 2016	1699 qtl	Co 0403; CoC 671	
27	CCARI, Goa	Cowpea	Goa Cowpea-3	2015	2Q	Local variety	
28	VSI, Pune	Sugarcane	MS10001	2012	0.001settling	Co94012	
			VSI08005	2015	0.95 settling	CoC671	
29	UAS, Raichur	Greengram	BGS-9	2012	430.5	Sel-4	Long pods,bold and shiny seeds
		Chickpea	GBM-2	2016	350	-	Suitable for



							mechanical harvesting
30	RVSKVV, Gwalior	Gram	RVG 201	2012	129	JG130	New variety gaining popularity in seed production chain
			RVG 202	2012	207	Local varieties	do
			RVG 203	2012	13	do	do
31	BAU, Sabour	Rice	Sabour Ardhjal	2013	100	R Mansuri	
			Sabour Deep	2014	20		
			Sabour Surbhit	2012	50		
			Sabour Shree	2014	100		
		Wheat	Sabour Nirjal	2014	100		
			Sabour Shrestha	2014	100		
32	PAJANCOA & RI, Karaikal	Paddy	TKM 13	2015	5	I.W.Ponni	
33	UAHS, Shimoga	Paddy	KPR-1	2016	281.00q	Tunga	Medium slender variety. Suitable for hilly areas.
			KKP-5	2017	10.00 q	MTU-1001 & JGL-1798	Medium slender variety. Suitable for bhadra command area.
34	ICAR-RC, NEH Region, Manipur						
	Tripura center	Rice	Gomatidhan (TRC 2005-1 / IET 21512)	2012	3191	Swarna / Ranjit / Pooja	
		Rice	Tripura Khara 1 (IET 22837)	2014	12.9	IR 64	



		Rice	Tripura Khara 2 (IET 22835)	2014	0	IR 64	
		Rice	Tripura Jala 1 (IET 22167)	2014	2	Swarna	
		Rice	Tripura Chikan Dhan (IET 22112)	2014	230	Pyzum / MR/ Swarna	
		Rice	Tripura Sarat (IET 22113)	2014	4	Krishna Hamsa	
		Rice	Tripura Nirog (IET 22580)	2014	94	Swarna / Pooja / Ranjit	
		Rice	Tripura Hakuchuk 1 (TRC 2013-4)	2014	7.8	Traditional Jhum rices / NDR 97	
		Rice	Tripura Hakuchuk 2 (TRC 2013-5)	2014	7.2	Traditional Jhum Rices / NDR 97	
		Rice	Tripura Aush (TRC 2013-12)	2014	3.4	NDR 97 / China	
		Fieldpea	TRCP-8	2010	40	Rachana / Aparna / HUDP 15	
		Blackgram	Tripura Maskolai 1	2014	23.2	Uttara	
		Greengram	Tripura Mung 1	2014	18.9	KM 851 / PM 4/ PM 5 / HUM 16	
		Sesame	Tripura Siping	2014		B 67	
		Toria	TRC Toria 1 (TRCT -1-1-5-1)	2012	11.4	TS 36 / TS 38	
	Mizoram center	Rice	Gomati	2012	60	Ranjit, local varieties	Performed well in Mizoram
		Greengram	TRM-1	2013	12	Local	
		Blackgram	Tripura Maskoli-1	2013	11	Local	

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Success stories

SKUAS & T, Sringar

- Technology intervention of improved paddy varieties in two hamlets of far flung areas of Kashmir valley Numbal (Anantnag district) and KundiBurjala (Baramullah district) which doubled the yield and thus improved the local economy of the area.
- SKUAST released high yielding rice varieties were popularized across Kashmir valley and covers almost 80 percent area under paddy cultivation.
- Revival of elite landraces of Kashmir valley for income & livelihood security of farmers. Three villages viz., Sagam and Nagam in district Anantnag and Tangdhar in district Kupwara were identified for seed production of three local land races namely Mushkbudgi, Kamad and red rice, respectively.
- One farmer group in each village was identified for quality seed production of these land races. Trainings were conducted in all the identified areas regarding the integrated management of blast disease to which all these land races are highly susceptible. 12 quintals of pure seed of Mushkbudgi, 8 quintals of Kamad and 2 quintals of red rice was procured from the respective areas for further processing and distribution during *kharif*2017.
- Farmers participatory crop breeding for strengthening local seed systems participatory plant breeding programme was initiated with an objective to develop and push into the farming system the varieties which are highly acceptable to the farmers. Mother and baby trials were laid and few farmers preferred rice varieties viz., SKUA-408, SKUA-403 and SR-3 for low altitude areas and SKUA-402 for high altitude areas of Kashmir valley were identified. SKUA-402 is thought to be the best suitable alternative to K-332.

BAU, Ranchi

- Introduced sugarcane in Jharkhand and 6000q foundation seed was produced and distributed on the behalf of Dept. of Agriculture and Cane Development, Govt. of Jharkhand to farmers for adoption and diffusion
- The university started participatory seed production programme in 2009 by providing quality foundation seed and technical backstopping. In the year 2016-17, 530 new seed villages were established through KVKs in Jharkhand, during *kharif*& *Rabi* 2016-17 in total 1,16,938q (*Kharif* 93,561q, *Rabi* 23,377q) certified seed of different field crops was produced through participatory mode. Participatory approach helped the farmers to get certified seed at local level including seed of new varieties for their adoption and diffusion.

BCKVV, Nadia

- Since implementation of ICAR-Seed Project for Agricultural Crops, BCKV centre has been progressively strengthened with regard to quality seed production. In 2016-17, BCKV centre has produced quality seeds of several local land races of Rice not only in university farm, but also by a group of farmers with technical guidance from this centre. The promising types are Dudheswar, Banshkathi, aromatic Gobindobhog, etc. of which Dudheswar is highly promising in low saline belt. BCKV centre of ICAR- Seed Project has already established the seed marketing chain with WBSSC Ltd., Seed co-operatives, NGOs, near about 200 MT rice seeds have been supplied in 2016-17.

UBKV, Pundibari

- ***Integrated Nutritional Garden- A New Concept for Nutritional Security of Rural People***

The concept was developed by Tarai Research Society, Kayakhata, Alipurduar district. A small pond lined with thick polythene sheet surrounded with different types of vegetable and spices plants. The rain water is harvested in the pond and no additional water is added, it remains throughout the year. Fish can be cultivated in the pond. Azola also is being grown in the pond which may be the feed for fishes. Periodically farmers collect Azola from the pond and used it as feed for cattle. Periodically they also harvest fish for their own consumption.

Different types of vegetables like brinjal, green vegetables, tomato, bhindi, summer squash, herbal plants like pudina, brahmi, *Centrolaasiatic*, corriender, lemon, curry leaves etc. can be grown along the thick bund of the pond for their own consumption. A pandal may be made over the pond and cucurbits like bottle gourd, pumpkin, sponge gourd, ridge gourd etc. could be grown over the pandal.

- ***Bottle gourd as relay cropping the rice field***

During transplanting of rice, gunny bags filled with mixture of compost and soil are placed in the rice field at designated spacing. The seeds of bottle gourd are sown in the soil of gunny bags. Rice crop takes about three months to mature, by that time the bottle gourd plants establish on the pandal. Thus, the farmers can effectively market their produce.

OUA&T, Bhubaneshwar

- **Paddy Seed Production in farmers' Fields**

Paddy seed production programme was conducted in Keonjhar district, a tribal dominant district of the state, for creating mass awareness among the farmers and to meet the paddy seed demand of the rural and tribal farmers of both the targeted and adjoining blocks of the district. The programme was conducted during Rabi, 2016-17 in two tribal dominated blocks of the district viz; Banspal and Harichandanpur covering 100 tribal farmer beneficiaries in groups. Whole package demonstrations were conducted in 100 acres of area on paddy varieties

Tejaswini and Mandakini, two recent and potential varieties released from OUAT. All the inputs including breeder seeds of the varieties, fertilizers, seed treating chemicals, plant protection chemicals were provided to the beneficiaries. Line sowing, transplanting of early seedlings with 1 or 2 seedlings/hill and space planting techniques were adopted during the programme. The production programme was successful with productivity ranging from 30.0q/ha to 42.0 q/ha.

An Awareness cum Farmers' Fair was organized to disseminate the message on "seed production- a better option for more profit" involving the beneficiaries and other farmers of the targeted and adjoining blocks on 25.03.2017 in Junga village of Harichandan block of the district. District officials of the Dept. of Agriculture, local representatives, scientists from Research station and KVK participated in the said programme for better and effective replication of the programme in future.

IGKV, Raipur

- Kanker district is characterized by light soil, erratic rainfall and farmers are taking Rice-chickpea/Lathyrus/Lentil/Field pea, Fallow-Blackgram/ Horsegram as major cropping system. However, farmers have a large option for a number of crops in the Rabi season. During Rabi Season area under various crops in the district are low due to lack of irrigation facilities, open grazing and fragmented land holding. Total area under pulses crop are 17,710 ha with average productivity of 580 kg/ha. The main causes for low productivity of pulses are mainly due to use of old varieties by the farmers without knowing the importance of high yielding and improved varieties. Therefore, farmers were advised for taking seed production of improved varieties for which demonstration were laid out on farmers' field with quality seed and full package of practices for yield enhancement and overall prosperity improvement.
- The demonstrations on pulses production were conducted at village Puswada, Ghotiyawahi, Khamdhodgi and Kodagaon, respectively through replacement by quality seeds. The farmers were advised to grow utera (relay) crops by using residual moisture using improved seeds for increasing the area and production of quality seeds. The farmers were skilled through seed production training programmes for increasing the area under rabi crops using limited water resources through lifting of water from pond and tubewell. The scientist associated with ICAR Seed Project made a group meeting of farmers and organized training for farmers regarding seed treatment (Trichoderma @5g/kg seed, Rhizobium @5g/kg seed), sowing methods and production of quality seeds using improved varieties of various crops including seed storage facilities. The farmers were motivated to replace summer paddy with chickpea which in-turn resulted in giving more profit with higher water productivity as compared to summer paddy. The average yield of chickpea was 10.32 q/ha per ha, which was 24% more as compared to farmers practice using improved and quality seed. A total of 412.80 q seeds of JAKI 9218 have been procured by farmers through demonstration.

- Similarly, with the objective of enhancing oilseed production through demonstrations, number of demonstrations on linseed and on mustard crop were conducted at Kanker District to enhance the oilseed production through quality seeds. In the operational area, summer rice was replaced by linseed and mustard crop. Mustard variety Bharat Sarso-2 and Linseed varieties Indira Alsi-32 and RLC-92 were demonstrated with full package of practices. The percent increase in yield was 23% in mustard and 28% in linseed using improved varieties and quality seeds as compared to farmers practice.

TNAU, Coimbatore

Impact on seed production due to ICAR Seed Project

- ICAR Seed Project is having the mandate to strengthen infrastructure requirement for seed production and to bridge the gap in the seed supply chain so as to achieve the seed security. During 2016-17, modernized millet seed processing unit was established at Pazhakadu village in Yercaud, Salem District Tamil Nadu to create awareness to tribal farmers to process their millet grain with nominal processing charge for getting higher price. In addition, knowledge on processing and preparation of value added products of millet was imparted which will increase the self confidence of the tribal farmers to start millet based enterprise.
- In-toto under ICAR seed project, seed production involving 175 varieties of 31 principal crops with a volume of more than 7981.02 q of different class of seeds and 27.58 lakh numbers of planting materials are being produced and distributed to the GOI, various public and private agencies. Because of the existence of efficient seed supply system in TNAU the newly developed improved varieties are reaching the doorstep of farmers in a shorter period to derive the benefit of improved varieties. The evidence for the success of seed programmes, which could be seen through achievement of targeted food grain production of 110 lakhs metric tonnes in Tamil Nadu.



Farmers using the millet processing unit



Farmers with newly introduced barnyard millet crop

IIOR, Hyderabad

- The successful introduction of castor in Anantapuram district of Andhra Pradesh as pure or intercrop with traditional groundnut crop has increased demand for castor. Besides there is revival of interest in castor due to its better and stable profitable market in traditional areas in Andhra Pradesh, Telangana, Karnataka and Tamil Nadu states. Being wind pollinated and highly cross pollinated crop, the biggest challenge for seed production is isolation distance. To meet the growing demand for DCH-177 and DCH-519 castor hybrids, seed production of these hybrids was taken up in farmers' field at Konkala village in Gadwal district of Telangana state wherein cotton and maize crops are predominant. The necessary parental seed production was taken up at Institute. The area had a good isolation for castor and seed production of two hybrids of castor in separate isolations were taken up under direct training and supervision of IIOR with pre-determined buy-back arrangement of GOT passed seed. A total of 105q of seed produced in 30 farmers' field with an average hybrid seed yield of ~3q/acre.
- *Skill Development Training on Seed production for Rural Youth*
A skill development training was organized for diploma holders in Agriculture on 'Seed production technologies for oilseeds' at IIOR. As per progressive initiatives of the Hon'ble Prime Minister of India under for 'Skill India Abhiyan', a Skill development training programme on seed production technologies in oilseed crops was conducted at ICAR – Indian Institute of Oilseeds Research from 06-19 February, 2017 (14 days). The 14 day training programme was structured to focus on imparting practical hands-on-training on all aspects of oilseed crop seed production from 'seed to seed' including quality standards and certification.

IIMR, Hyderabad

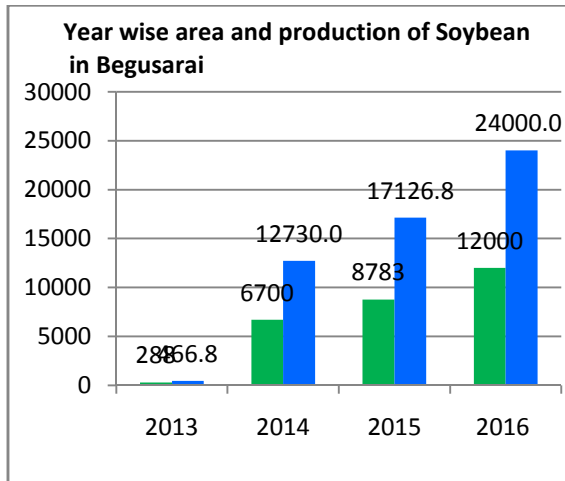
- Standardized seed production of CSH 24 MF, paving way for fodder security through production of 5000 quintals of multi-cut forage hybrid CSH 24 MF certified seed and supplied to animal husbandry department under licensing for commercialization during 2016-17.
- New clusters for forage seed production established with seed industry researcher's meet.

IIMR, Begusarai (New Delhi)

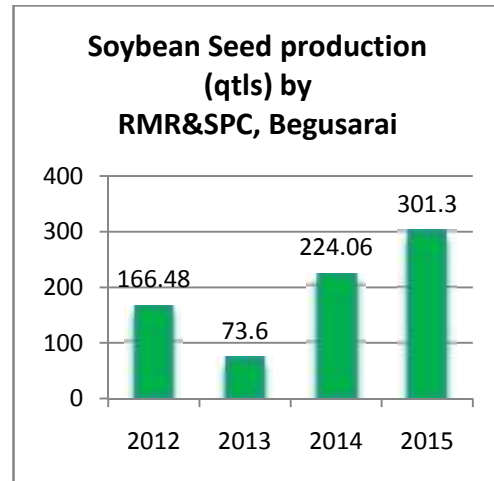
Introduction of Soybean Cultivation in Begusarai - Impact on Quality Seed Availability

- Regional maize research and seed production centre (IIMR), Begusarai tested few varieties of soybean for seed production in 2011. Since 2012 introduction of soybean crop in Begusarai area, has lead to a shift in cropping system during rainy season from (rice – wheat, rice – maize, maize- maize) to (soybean- wheat, soybean – maize). This has resulted in an enhancement in the cropping intensity and also an

increase in the profitability per unit land area. Introduction of soybean has helped in improving soil fertility and productivity after kharif season in wheat, maize and other crops. The area under soybean is spreading in Begusarai district as farmers of many villages like Kusmahaut, Nemachandpura, Ballia, Maniaapa, Badiagh, Ajhour, Birpur, Tiltrath and Pipradevash, Barauni etc started soybean cultivation at large scale during Kharif season.

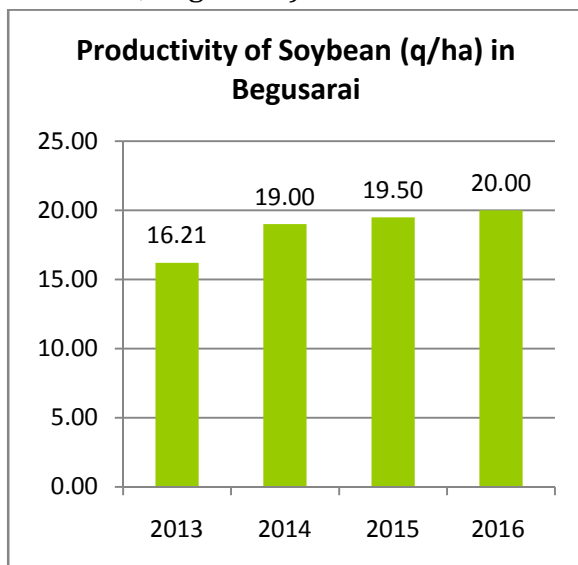


(Source: District Agriculture, office, Begusarai)

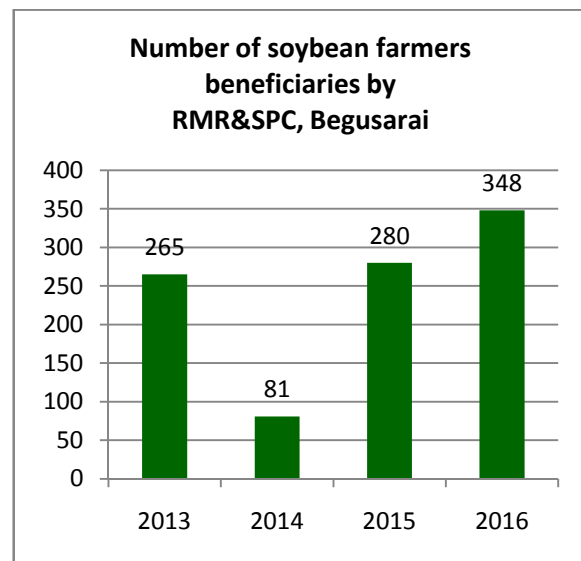


(Source: RMR&SPC (IIMR) Report)

- In 2014 this centre introduced another high yielding variety PS-1042 replacing PS-1029. Farmers preferred both the soybean varieties PS-1241 and PS-1042. The demand of soybean seed and production was tremendously increased in 2014 and continued to rise every year as shown by the of area and production trends under soybean cultivation in the district (Source: data obtained from District Agriculture Office, Begusarai).



(Source: District Agriculture, office, Begusarai)



(Source: RMR&SPC (IIMR) Report)

- As per the report (Source: District Agriculture Office, Begusarai) nearly 3500 hectare area of maize and a part of rice area shifted under soybean cultivation during current kharif season 2016. With the current rising trends of soybean cultivation in the district, soybean crop will facilitate in increasing farm productivity and profitability to a great extent.

ICAR RC, Manipur

- Under the ambit of ICAR Seed Project, model deployment (FPSP) with respect to groundnut seed production (ICGS 76) resulted in increment of net income i.e. Rs. 1,49,000/ha as compared to Rs.75,000/ha from grain pod production. Since 2012 to 2017, the groundnut seed production programme has covered an area of 42.5ha with a production of 37t of labelled seed in Churachandpur district of Manipur.



Groundnut seed production in Churachandpur district, Manipur

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At a Glance

Summary of seed production during 2016-17 under ICAR seed project- “Seed Production in Agricultural Crops”

Particulars	(in quintals)					
	In University/Institute		Participatory Seed Production		Total	
	Target	Production	Target	Production	Target	Production
Breeder seed	72588.47	92645.59	1068.65	1219.63	73657.12	93865.22
Foundation seed	65491.45	77331.85	37691.00	47244.56	103182.45	124576.41
Certified seed	90102.40	77454.47	89082.60	196226.55	179185.00	273681.02
TFL seed	42554.84	51630.23	37770.32	46568.39	80325.16	98198.62
Planting material	26054.50	30421.81	-	-	26054.50	30421.81
Total	296791.66	329483.95	165612.57	291259.13	462404.23	620743.08

Particulars	(in lakh)					
	Target	Production	Target	Production	Target	Production
Planting material	288.80	239.32	-	-	288.80	239.32
Tissue culture plants	2.60	1.94	-	-	2.60	1.94
Total	291.40	241.26	-	-	291.40	241.26

Summary of capacity building programmes under ICAR Seed Project during 2016-17

Year	No. of Training/Field day / Seed day	No. of Beneficiaries	No. of Exhibition/ KisanMela/ KisanGoshti	No. of Beneficiaries	Leaf lets / Pamphlet /Poster/ Research Paper / any other	Awards
2016-17	437	36940	58	1700527	222	6

Perspectives

Seed is basis for mankind's sustenance. Contemporary food security is a mere reflection of the fundamental fact that, how secured we are with respect to seed! In Indian scenario, the achieved self-sufficiency in current food grain production is due to availability of quality seed, affability owing to untiring efforts of varied seed stakeholders of Indian seed domain. However, in the era of climate change, with impending threats of resource depletion and population explosion, efforts should be geared upon continuously to counteract looming challenges of present epoch. Though, a blessing India having is its vast biodiversity and varied agro-climatic zones, offer vistas for alternative provenances for seed production, contingent planning and model deployment, shall pave way for quality seed mediated improved productivity levels and growth.

Although discernible progress was made in quality seed production, still some of the issues such as Varietal Replacement Rate (VRR) and Seed Replacement Rate (SRR) need to be tackled. VRR and SRR have a strong positive correlation with the productivity. ICAR Seed Project is one of the effective platforms for handling these twin problems. Apart from university / institute based production, model deployment (farmers' participatory approach / seed village scheme / community seed banks) at local level and enabling partnership with private sector, SHGs, NGOs and varied community based organizations, which facilitate in smooth flow of seed of adapted, acceptable, improved varieties to farmers is one of the signal achievements of ICAR Seed Project. This initiative needs organized communities, institutional technical backstopping and continued interaction between various institutions, policymakers and stakeholders to strengthen local seed systems to enhance seed productivity thereby enabling seed security. In reference to SRR, ICAR Seed Project alone contributed to an increment of 0.4 to 0.8 per cent per annum in major field crops i.e. cumulative of 2 per cent during XII plan period and a progressive target of 1.5 to 2.0 per cent per annum is set as future perspective. Indian seed industry is one of the vibrant domains of world seed sector. Currently sixth in position as per ISF, is having potential to attain higher echelons because of its sheer size, reach and diversity. Infusing corporate modeling in public sector seed domain is an area to be pondered

with and can provide elucidation to many inquests relating seed domain. Policy interventions and normalization of seed research and standards on par with international benchmarks are imperative perspectives for growth of Indian sector. During XII plan period, horizons of ICAR Seed Project are widened by incorporation of components viz. quality seed production under horticultural crops & fisheries, technology generation and institution of topical seed research and quality assurance laboratory in order to bring a holistic dimension in reference to 'seed' across farming systems. However in current proposal (2017-18 to 2019-20), considering the need for rationalization & prioritization of activities, component viz. quality seed production in agricultural crops is only incorporated under the umbrella platform of ICAR Seed Project.

ICAR Seed Project is an illustrious project of ICAR on 'SEED', for which responsibility of coordination was reckoned upon 'ICAR-Indian Institute of Seed Science' (formerly Directorate of Seed Research). Under the aegis of ICAR, with the adept support of cooperating centres, ICAR Seed Project can deliver solutions to contemplated perspectives. Emphasis on quality seed production in untapped & far flung areas, modernization of seed processing facilities, ordination of state of art seed testing facilities in identified centres, model deployment (participatory approach, developing seed cooperatives, seed hubs & entrepreneurship development), endeavoring on elevating VRR & SRR levels, enabling farmers with right seed at right time and advancement of commercially feasible technologies pertaining to seed domain are ordained expanses of project realization.

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