

# AICRP- BREEDER SEED PRODUCTION

## Objectives

- Production of adequate quantity of nucleus and breeder seed of high quality as per national and state requirements.
- To conduct, coordinate and monitor research on different aspects of seed science and technology.
- To generate basic information on seed certification standards including seed health.
- Dissemination of information and impart trainings on seed production, processing, storage and packaging, quality control and seed health.
- Linkage with crop improvement projects, seed industries, seed certification agencies, seed trade, NGOs/KGK/KVK etc.

## 1. Significant Achievements:

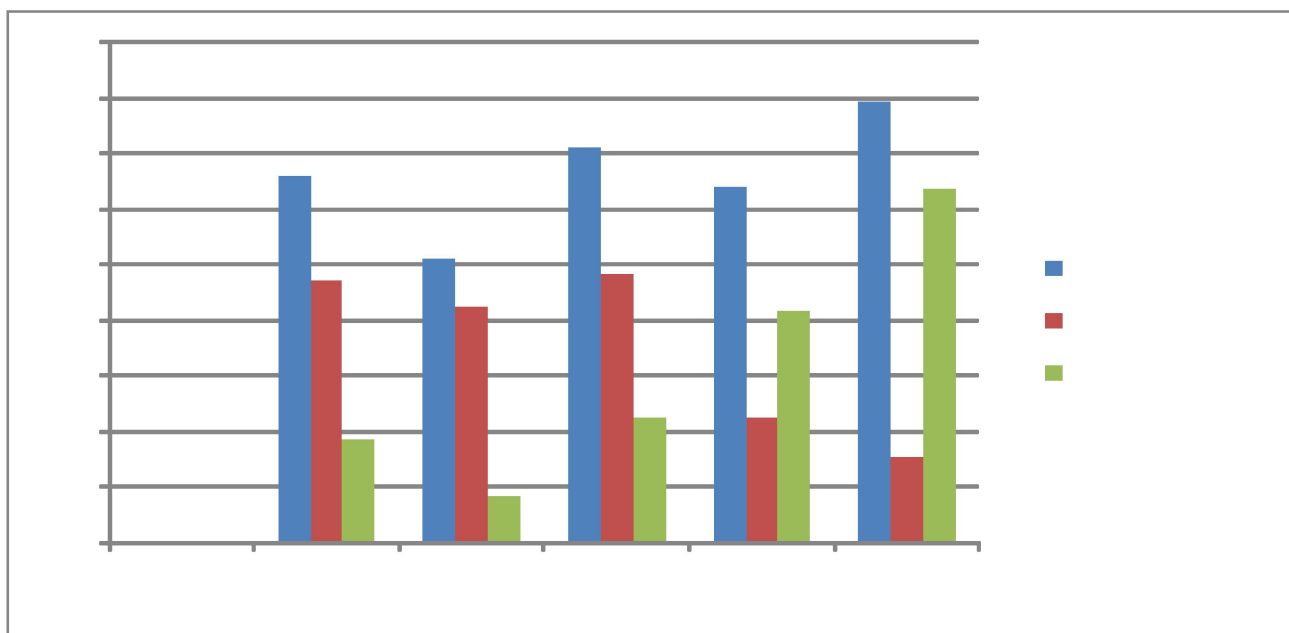
- The salient achievements of the project are as follows :

### Breeder Seed Produced at Breeder Seed Production Centre Pantnagar (Period: From 2013-14 to 2017-18)

Sl.No.	Crop	2013-14 (q.)	2014-15 (q.)	2015-16 (q.)	2016-17 (q.)	2017-18 (q.)
<b>A.</b>	<b>Kharif Season</b>					
1	Paddy	785.97	731.62	693.77	803.72	807.54
2	Soybean	123.25	158.31	159.85	47.38	78.1
3	Maize	10.75	1.19	1.74	6.2	0.52
4	Arhar	15.75	28.35	46.23	50.95	17.35
5	Urd	52.62	23.51	49.94	151.33	121.87
6	Moong	0.47	24.65	32.87	8.65	41.03
7	Sorghum	10.55	8.41	8.15	17.6	14.78
8	Forage Cowpea	2.86	0.24	1.42	2.05	6.63
9	Grain Cowpea	17.82	4.68	0.5	3.54	-
10	Daincha	2	2	-	-	10
	<b>TOTAL</b>	<b>1022.04</b>	<b>982.96</b>	<b>994.47</b>	<b>1091.42</b>	<b>1097.82</b>
<b>B.</b>	<b>Rabi Season</b>					
1	Wheat	2948.83	3258.78	3804.92	4542.87	4151.62
2	Gram	-	7.25	32.15	191.25	45.5
3	Pea	15.5	35.4	67.93	58.65	53.25
4	Lentil	54	16.85	135.05	148.96	100.98
5	Rai/Sarson	13.9	48.25	32.3	27.4	61.98
6	Toria	54.87	15.73	30.9	22.2	22.3
7	Barley	-	-	3	4.32	-
	<b>TOTAL</b>	<b>3087.1</b>	<b>3382.26</b>	<b>4106.25</b>	<b>4995.65</b>	<b>4435.63</b>
	<b>GRAND TOTAL</b>	<b>4109.14</b>	<b>4365.22</b>	<b>5100.72</b>	<b>6087.07</b>	<b>5533.45</b>

**Table 2: Financial Details of Breeder Seed Production Centre Pantnagar  
(Year 2013-14 to 2017-18)**

Sl.No.	Financial Year	Income (‘Lac.)	Expenditure (‘Lac.)	Total profit (‘Lac.)
1.	2013-14	330.88	236.93	93.95
2.	2014-15	255.34	212.66	42.68
3.	2015-16	355.19	241.71	113.48
4.	2016-17	321.76	113.18	208.58
5.	2017-18	396.91	78.32	318.59



## 2. Future Thrusts:

- Production of surplus quantities of breeder seed as per national and state government requirements.
- Quality maintenance of nucleus and breeder seeds.
- Network on developing national database of DNA profiles.
- Conducting grow out test for confirmation of genetic purity of different crops.
- Standardization of isolation distance in present scenario for long isolation required crops.

## SEED PRODUCTION OF AGRICULTURE CROPS PROJECT

### Objective

- To augment the quality seed production and

planting material.

- To disseminate of quality seed to the needy farmers.

### 1. Significant Achievements:

- Besides the fulfillment of DAC and state government requirements of breeder seed under the project, production of many times of breeder as well as quality seeds supplied to end use farmers.
- Distribution of quality seed among the farmers through minikits in kissan mela.

### 2. Future Thrusts:

- Expansion of the sphere of activities of quality seed production to the far flung areas.
- Revival of seed production activities of hill crops especially small millets and potential crops.

## TRIBAL SUB PLAN PROJECT

### 1. Significant Achievements:

- with the objective of improving the livelihood of tribal farmers the following training/ demonstration to the farmers tribal community including technical lectures on quality seed

production of cereals, pulses, oilseeds and vegetables crops, selection of suitable variety for particular agro-climatic conditions, processing, seed health and storage.

S. N.	Date	Block	Topic	No. of Individuals/Families	Villages Benefited
(i)	15-May-18	Sitarganj Tribal People (Tharu Janjati)	“खरीफ फसलों का बीज उत्पादन प्रशिक्षण”	139 Nos.	Tharu Baghauri District- Udham Singh Nagar



S. N.	Date	Block	Topic	No. of Individuals/Families	Villages Benefited
(ii)	8-Jun-18	Dehradun Tribal People (Jaunsari Janjati)	“दलहनी फसलों का बीज उत्पादन प्रशिक्षण”	130 Nos.	Lakhwar Kalsi District- Dehradun



material of real beneficiaries.

### 2. Future Thrusts:

- Identification of tribal beneficiaries of Uttarakhand.
- To know the requirement of seed and planting
- Supply the seed and planting material at right time.
- Survey and feed back of beneficiaries farmers.

## CREATION OF SEED HUBS FOR INCREASING INDIGENOUS PRODUCTION OF PULSES IN INDIA PROJECT

### 1. Significant Achievements:

different crop/varieties have been made near to target as mentioned below:

- Under this project production of pulse seed

Sl. No.	Crop	Variety	Year of Release	2016-17		2017-18		2018-19	
				Target	Achiev.	Target	Achiev.	Target	Achiev.
<b>A.</b>	<b>Kharif</b>								
1	<b>Arhar</b>	UPAS 120	1979	200	-	50	5	250	64
2		PA 291	2010				17		
3	<b>Urd</b>	Pant Urd 31	2008	100	85	150	85.85	200	280
4		Pant Urd 40	2008		3.5		35.7		
5	<b>Moong</b>	Pant Moong 4	1997	200	7	100	-		
6		Pant Moong 5	2010		147		28.65	250	6
7		Pant Moong 6	2009		4		12.38		
	<b>Total</b>			<b>500</b>	<b>246.5</b>	<b>300</b>	<b>184.58</b>	<b>700</b>	<b>350</b>
<b>B.</b>	<b>Rabi</b>								<i>(Expected)</i>
1	<b>Chickpea</b>	PG 186	1997	100	100	50	29.98	150	150
		Pant Kabuli Chana 1	2010						
		PG 3, PG 4, PG 5	2015						
2	<b>Fieldpea</b>	Pant Pea 14	2006	-	-	100	62.5	50	50
		Pant Pea 42	2008						
3	<b>Lentil</b>	Pant Pea 155	2015						
		Pant Lentil 6	2010	-	-	50	44.5	100	100
		Pant Lentil 7	2010						
		Pant Lentil 8	2010						
		Pant Lentil 9	2015						
	<b>Total</b>			<b>100</b>	<b>100</b>	<b>200</b>	<b>136.98</b>	<b>300</b>	<b>300</b>
<b>C</b>	<b>Zaid</b>								
1	<b>Urd</b>	Pant Urd 31	2008	-	-	100	60	-	-
2		Pant Urd 30	1982	-	-		5	-	-
3		Pant Urd 35	1987	-	-		13	-	-
4	<b>Moong</b>	Pant Moong 5	2010	-	-	100	98	-	-
	<b>Total</b>			-	-	<b>200</b>	<b>176</b>	-	-
	<b>Grand Total</b>			<b>600</b>	<b>346.5</b>	<b>700</b>	<b>497.56</b>	<b>1000</b>	<b>650</b>

### 2. Future Thrusts:

- Proper lifting of produced quality seed should be made strictly.
- Required to enhance the skilled manpower for different operation of seed production.
- Maintaining the quality of pulse seeds, it is required to store the seed in A.C. godown, to arrest the deterioration.
- Proper maintenance of nucleus seed production programme.