

A RKVY PROJECT

Stream-2

**Foodgrain and Oilseed
Production Programme
2013-14**

Cost of the Project: ₹ 188.98 lakh

Department of Agriculture,

Uttarakhand

Summary

	Programmes	Proposed Expenditure (lakh Rs)	Remarks
1	Rice Production programme	83.65	for non-NFSM districts
2	Maize Production Programme	1.40	for 11 hill districts
3	Pulse Production Programme	47.12	for all districts
4	Oilseed Production Programme	30.76	for all districts
5	Promotion programme of hybrid rice and hybrid maize	26.05	for all districts
	GRAND TOTAL	188.98	

Proposed Programmes for 2013-14

1. Rice Production Programme

About 2.70 lakh ha area is under rice, out of this, 1.70 lakh ha is under assured irrigation. NFSM- rice is also going to be launched in five districts viz, Haridwar, Pauri, Almora, Pithoragarh and U.S.Nagar, therefore the ICDP-rice programme of RKVY is being proposed for the rest 8 districts on the basis of NFSM guidelines.

Cluster demonstration size- 100 ha for plain areas and 10 ha for hilly areas.

District	Cluster Demo-hybrid rice @ Rs 7500/ha		SRI cluster demonstration @ Rs 7500/ha		Seed distribution-HYVs	
	ha	lakh (₹)	No.	lakh (₹)	quintal	lakh (₹)
Nainital	100	7.50	120	9.00	200	1.00
Bageshwar	10	0.75	30	2.25	30	0.15
Champawat	10	0.75	30	2.25	30	0.15
Chamoli	10	0.75	30	2.25	90	0.45
Rudraprayag	10	0.75	30	2.25	30	0.15
Uttarkashi	10	0.75	30	2.25	60	0.30
Tehri	10	0.75	50	3.75	90	0.45
Dehradun	200	15.00	120	9.00	200	1.00
Total	360	27.00	440	33.00	730	3.65

table continued----

District	Incentives on micro nutrients @ Rs 500/ha or 50% of the cost whichever is less		Incentives on PP chemicals/ bio chemicals @ Rs 500/ha or 50% of the cost whichever is less		Total
	ha	lakh (₹)	ha	lakh (₹)	lakh (₹)
Nainital	500	2.50	500	2.50	22.50
Bageshwar	200	1.00	200	1.00	5.15
Champawat	150	0.75	150	0.75	4.65
Chamoli	200	1.00	200	1.00	5.45
Rudraprayag	150	0.75	150	0.75	4.65
Uttarkashi	200	1.00	200	1.00	5.30
Tehri	200	1.00	200	1.00	6.95
Dehradun	400	2.00	400	2.00	29.00
Total	2000	10.00	2000	10.00	83.65

2- Maize Production Programme

Maize is also an important crop of Uttarakhand and covers about 30 thousand ha of kharif crops. It is mostly grown in rainfed condition in hilly areas.

All but Udham Singh Nagar has the potential of increasing area and production under maize. As per the availability of seed, production programme of maize for kharif 2013 is being worked out as follows;

District	Seed distribution-@ 1200/q	
	quintal	lakh (₹)
Chamoli	5	0.06
Dehradun	20	0.24
Pauri	10	0.12
Rudraprayag	5	0.06
Tehri	10	0.12
Uttarkashi	10	0.12
Almora	15	0.18
Bageshwar	2	0.02
Champawat	10	0.12
Nainital	15	0.18
Pithoragarh	15	0.18
Total	117	1.40

3- Pulses Production Programme

The State has ample opportunities of enhancing productivity of pulses, if high yielding varieties are promoted with INM, IPM interactions. Following activities are being proposed for kharif 2013-14.

(1) Assistance on certified seed – Rs 1200/ quintal

(2) Minikit distribution- Seed minikit will be prepared and distributed free of cost for 0.1 ha only.

District	Assistance on certified seed		Minikit distribution		Total financial lakh ₹
	quintal	lakh (₹)	No	lakh (₹)	lakh (₹)
Chamoli	75	0.90	600	1.92	2.82
Dehradun	75	0.90	600	1.92	2.82
Haridwar	150	1.80	1300	4.16	5.96
Pauri	200	2.40	1500	4.80	7.20
Rudraprayag	50	0.60	300	0.96	1.56
Tehri	150	1.80	1300	4.16	5.96
Uttarkashi	90	1.08	600	1.92	3.00
Almora	100	1.20	800	2.56	3.76
Bageshwar	40	0.48	300	0.96	1.44
Champawat	60	0.72	400	1.28	2.00
Nainital	60	0.72	500	1.60	2.32
Pithoragarh	180	2.16	1500	4.80	6.96
USNagar	30	0.36	300	0.96	1.32
Total	1260	15.12	10000	32.00	47.12

4- Oilseeds Production Programme

Soybean, mustard and seasmum are the main oilseeds and cover about 28 thousand ha area. Following activities are being proposed to increase productivity of these crops for kharif 2013.

(1) Assistance on certified seed – Rs 1200/ quintal

(2) Minikit distribution- Seed minikit will be prepared and distributed free of cost for 0.1 ha only.

District	Seed distribution		Minikit distribution		Total
	quintal	lakh (₹)	No	lakh (₹)	lakh (₹)
Nainital	300	3.60	1200	3.84	7.44
US Nagar	20	0.24	120	0.38	0.62
Almora	150	1.80	600	1.92	3.72
Bageshwar	70	0.84	280	0.90	1.74
Pithoragarh	70	0.84	280	0.90	1.74
Champawat	40	0.48	175	0.56	1.04
Chamoli	100	1.20	400	1.28	2.48
Rudraprayag	40	0.48	160	0.51	0.99
Uttarkashi	40	0.48	160	0.51	0.99
Tehri	150	1.80	600	1.92	3.72
Pauri	180	2.16	725	2.32	4.48
Dehradun	50	0.60	200	0.64	1.24
Haridwar	20	0.24	100	0.32	0.56
Total	1230	14.76	5000	16.00	30.76

5. Promotion programme of hybrid Rice and hybrid Maize

Advantages of hybrid rice;

- Average yields of hybrid are more when compared to high yielding varieties. Quantity of seed used in hybrid rice was significantly less than the seed used in conventional high yielding varieties.
- Hybrids are short duration with resistance to major pests and diseases and non-lodging varieties and makes rice cultivation economically viable.

Advantages of growing hybrid maize:

- Hybrid maize are generally higher yielding than open-pollinated varieties, if grown under suitable conditions. Uniform in color, maturity, and other plant characteristics, which enables farmer to carry out certain operations, such as harvesting at the same time. The uniformity of the grain harvested from hybrids can also have marketing advantages when sold to buyers with strict quality standards.

At present a small area is being covered under hybrid varieties of rice and maize. There are ample opportunities of area extension programme through hybrid varieties to boost up the production of rice and maize. It is proposed hybrid seed will be made available to farmers on subsidized rates as 50% of the cost of seed. The programme will carry an expenditure of Rs ~~26.05~~ lakh as given in the following Table.

District	Hybrid Rice		Hybrid Maize		Total lakh ₹
	Q	lakh ₹	Q	lakh ₹	
Nainital	10	1.50	10	0.50	2.00
US Nagar	30	4.50	3	0.15	4.65
Almora	3	0.45	8	0.40	0.85
Bageshwar	1	0.15	3	0.15	0.30
Pithoragarh	3	0.45	7	0.35	0.80
Champawat	4	0.60	7	0.35	0.95
Chamoli	2	0.30	5	0.25	0.55
Rudraprayag	1	0.15	1	0.05	0.20
Uttarkashi	2	0.30	1	0.05	0.35
Tehri	3	0.45	10	0.50	0.95
Pauri	4	0.60	7	0.35	0.95
Dehradun	5	0.75	10	0.50	1.25
Haridwar	80	12.00	5	0.25	12.25
Total	148	22.20	77	3.85	26.05

Benefits of Project-

- 3% overall annual growth of foodgrain production is proposed for the year 2013-14.