

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 283
TO BE ANSWERED ON THE 30TH NOVEMBER, 2021

SCHEMES TO REDUCE AGRICULTURAL COSTS

283. SHRI RAJESHBHAI CHUDASMA

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to State:

- (a) the schemes being implemented by the Government to reduce the agricultural cost along with the details thereof;
- (b) the amount of budget allocated for the said schemes and the amount spent thereon during the last five years;
- (c) the number of farmers who have benefited from the said schemes along with the details thereof; and
- (d) the details reduction in cost of agriculture per hectare by implementation of the schemes and the amount of increase in the income of farmers for the last five years?

ANSWER

Minister of AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) & (b) Government of India facilitates State Governments to reduce agricultural cost through many Centrally Sponsored and Central Sector Schemes like Sub-Mission on Seeds and Planting Material (SMSP), National Project on Management of Soil Health and Fertility, Pradhan Mantri Krishi Sinchayee Yojana- Per Drop More Crop (PMKSY-PDMC), Paramparagat Krishi Vikas Yojana (PKVY), Sub Mission on Agricultural Mechanization (SMSP) etc. A statement on the amount allocated and spent thereon during the last five years is given as **Annexure-I**.

(c) Details of farmers benefited under Centrally Sponsored schemes are maintained mainly by State Governments. Number of farmers benefited under some of the schemes are given in **Annexure-II**.

(d) A comprehensive study regarding these issues is not available. Summary of evaluation which may be indicative only carried out in respect of some schemes is given in **Annexure-III**.

Annexure-I**Department of Agriculture & Farmers Welfare***(Rs. in Crores)*

S. No.	Name of Mission/Scheme	2017-18		2018-19		2019-20		2020-21		BE 2021-22	Exdr. till 31.10.21 (Prov)
		BE	AE	BE	AE	BE	AE	BE	AE		
1	Pradhan Mantri Krishi Sinchai Yojna-Per Drop More Crop (PMKSY)	3400.00	2819.24	4000.00	2918.37	3500.00	2700.04	4000.00	2562.17	4000.00	732.94
2	National Food Security Mission	1720.00	1377.12	1690.70	1605.78	2000.00	1768.52	2100.00	1675.23	2096.00	425.35
3	National Project on Management of Soil Health & Fertility	452.00	194.88	400.00	313.63	324.20	159.22	315.00	200.24	315.00	0.08
4	Paramparagat Krishi Vikas Yojna	350.00	203.46	360.00	328.69	325.00	283.66	500.00	381.05	450.00	2.43
5	Sub-Mission Seeds & Planting Material	200.00	423.54	332.00	332.51	380.13	283.63	378.77	256.62	448.00	44.13
6	Sub-Mission on Agricultural Mechanization	550.00	764.41	1165.29	1100.70	1000.00	964.80	1000.00	999.70	1050.00	249.66

Details of number of farmers benefitted- Scheme wise.**1. Seed Village Programme under Sub Mission on Seeds and planting Materials (SMSP)**

Sl. No.	Year	No. of farmers benefitted (in lakh)
1	2015-16	21.291
2	2016-17	18.134
3	2017-18	26.858
4	2018-19	34.152
5	2019-20	31.950
6	2020-21	36.126

2. Paramparagat Krishi Vikas Yojana (PKVY)

S. No.	Name of the State	Phase-I			Phase-II		
		No of clusters	Area (in ha)	No of beneficiaries	No of clusters	Area (in ha)	No of beneficiaries
1	Andhra Pradesh	1300	26000.00	65000	4000	80000.00	200000
2	Bihar	427	8540.00	21350	0	0.00	0
3	Chhattisgarh	200	4000.00	10000	1000	20000.00	50000
4	Gujarat	100	2000.00	5000	0	0.00	0
5	Goa	4	80.00	200	500	10000.00	25000
6	Haryana	20	400.00	1000	0	0.00	0
7	Jharkhand	250	5000.00	12500	0	0.00	0
8	Karnataka	545	10900.00	27250	500	10000.00	25000
9	Kerala	619	12380.00	30950	0	0.00	0
10	Madhya Pradesh	1380	27600.00	69000	2448	48960.00	122400
11	Maharashtra	1258	25160.00	62900	0	0.00	0
12	Odisha	320	6400.00	16000	720	14400.00	36000
13	Punjab	250	5000.00	12500	0	0.00	0
14	Rajasthan	1150	23000.00	57500	5000	100000.00	250000
15	Tamil Nadu	112	2240.00	5600	200	4000.00	10000
16	Telangana	690	13800.00	34500	0	0.00	0
17	Uttar Pradesh	620	12400.00	31000	500	10000.00	25000
18	West Bengal	120	2400.00	6000	0	0.00	0
19	Assam	220	4400.00	11000	0	0.00	0
20	Arunachal Pradesh	19	380.00	950	0	0.00	0
21	Mizoram	34	680.00	1700	0	0.00	0
22	Manipur	30	600.00	1500	0	0.00	0
23	Nagaland	24	480.00	1200	0	0.00	0
24	Sikkim	150	3000.00	7500	0	0.00	0
25	Tripura	50	1000.00	2500	0	0.00	0
26	Meghalaya	45	900.00	2250	0	0.00	0
27	Himachal Pradesh	210	4200.00	10500	75	1500.00	3750
28	Jammu & Kashmir	28	560.00	1400	0	0.00	0
29	Uttarakhand	585	11700.00	29250	3900	78000.00	195000
30	Andman & Nicobar	68	1360.00	3400	0	0.00	0
31	Daman & Diu	55	1100.00	2750	0	0.00	0
32	Dadar Nagar	500	10000.00	25000	0	0.00	0
33	Delhi	500	10000.00	25000	0	0.00	0
34	Puducherry	8	160.00	400	0	0.00	0
35	Chandigarh	0	0.00	0	65	1300.00	3250
36	Lakshadweep	0	0.00	0	135	2700.00	6750
	Total	11891	237820.00	594550	19043	380860.00	952150

3. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)- Per Drop More Crop

Details of No. of Farmers benefitted under PMKSY- PDMC from 2015-16 to 2020-21							
S.No	State	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1	Andhra Pradesh	93622	127174	163824	171536	103453	0
2	Bihar	-	-	3986	802	1589	1408
3	Chhattisgarh	7921	20401	14071	21423	31361	21470
4	Goa	-	130	247	174	93	159
5	Gujarat	127785	118293	84365	84399	76425	74414
6	Haryana	1764	919	2945	2810	4261	14992
7	Himachal Pradesh	7682	2103	2900	1042	6131	3000
8	Jharkhand	6367	3271	1521	6934	10782	3148
9	Jammu & Kashmir	-	1769	962	1933	1383	1020
10	Karnataka	112861	165795	212182	227382	248937	326814
11	Kerala	852	758	556	1803	450	390
12	Madhya Pradesh	42379	51462	39581	44566	29195	8846
13	Maharashtra	47241	125010	217298	175084	172767	21980
14	Odisha	3312	5124	2778	9349	10701	463
15	Punjab	1452	1486	379	337	511	582
16	Rajasthan	29228	32768	32385	37850	39146	46849
17	Tamil Nadu	31614	60700	3589	156065	190025	208639
18	Telangana	39545	55118	83461	37596	3831	9574
19	Uttarakhand	1484	5043	2784	7482	7736	7081
20	Uttar Pradesh	1486	9449	20044	38393	41936	43346
21	West Bengal	-	-	-	7388	18340	20207
22	Arunachal Pradesh	-	-	43	662	1475	7909
23	Assam	0	208	744	379	10949	6682
24	Manipur	256	250	361	2562	2700	3308
25	Meghalaya	0	0	245	107	873	
26	Mizoram	276	1056	1274	1165	1371	952
27	Nagaland	-	-	144	4655	4550	970
28	Sikkim	1932	1658	-	6021	4191	3580
29	Tripura	8665	-	1039	2706	3008	0
30	A&N Islands	-	-	-	-	-	0
	Grand Total	559059	789945	892669	1049899	1025162	83773

4. Sub Mission on Agricultural Mechanization (SMAM)

Parameter	Year						
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Nos of Demonstration conducted	3249	11704	331	19330	1350	10750	8200
Nos of Trainees Trained	13406	15160	9423	9689	11260	10065	9072
Nos of Agril Machinery distributed	69021	87545	151164	269062	384991	201769	120086
Nos of Custom Hiring Centre Established	663	268	1458	1818	3871	2155	3924
Nos of High Tech Hubs establishes	14	13	13	39	106	60	55
Farm Machinery Banks established at village level	436	218	1877	1992	1481	1964	5453

Major Findings of Evaluation Studies

i. National Project on Management of Soil Health and Fertility

National Productivity Council (NPC) carried out a study on 'Soil Testing Infrastructure for Faster Delivery of Soil Health Card in India' in 2017. In the study it was found that application of fertilizer and micronutrients based on Soil Health Card (SHC) recommendations resulted in 8-10% of savings and overall increase in the yield of crops to the tune of 5-6% reported by adopting the SHC recommendations.

National Institute of Agricultural Extension Management (MANAGE), Hyderabad conducted an impact study of Soil Health Card (SHC) scheme (November 2017). The major findings were that there is some reduction in fertilizer use, especially Nitrogen and increase in bio-fertilizers and other micro-nutrients use. This is a good sign as Nitrogen (N): Phosphorus (P): Potassium (K) ratio was highly skewed towards Nitrogen. Overall, paddy farmers reduced use of urea by 9%, Di Ammonium Phosphate (DAP)/ Single Super Phosphate (SSP) by 7%, but increased use of Potassium by 20%. This is a healthy sign of moving towards balanced use of fertilizers.

ii. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)- Per Drop More Crop

NITI Aayog conducted evaluation study on PMKSY-Per Drop More Crop scheme in 2020. The major findings of the study are as under:

- The scheme is relevant in achieving national priorities such as substantially improving on-farm water use efficiency, enhancing crop productivity, generating employment opportunities etc.
- Micro irrigation adoption has helped to save water. Saving of water across various states are around 30 to 50% in Andhra Pradesh, 50% in Karnataka, 30% in Tamil Nadu, 70% in Jharkhand, 40 to 50% in Uttar Pradesh, 50% in Punjab, 40% in Bihar.
- Water use efficiency has improved around 30% to 70%.
- Created direct and indirect employment opportunities.
- Income of farmers has increased in the range of 10% to 69%.
