

1	2	3	4	5	6	7
Uttarakhand	340.0	790.0	2324	61.0	53.0	869
West Bengal	340.0	960.0	2824	395.3	335.4	848
Others	31.0	124.3	4006	140.1	182.2	1300
TOTAL (ALL INDIA)	30714.8	97436.5	3172	29277.5	22401.1	765

NA:Not available.

Availability of quality seeds at affordable prices

663. SHRI RAM KUMAR KASHYAP: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether it is a fact that seed is a critical and basic input for attaining higher crop yields and sustained growth in agricultural production;

(b) whether it is also a fact that good quality seeds are out of reach of the majority of farmers, especially the small and marginal farmers mainly because of their exorbitant prices; and

(c) if so, the measures taken to provide good quality seeds to small and marginal farmers at fair price?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE (SHRI PARSHOTTAM RUPALA): (a) Yes, Sir.

(b) No, Sir.

(c) The Government provide assistance/subsidy for seed production and seed distribution under various existing schemes/programmes implemented by the States to provide good quality seeds to farmers including small and marginal farmers and the details are given in the Statement (*See* below).

The Department of Agriculture, Cooperation and Farmers Welfare have issued Cotton Seeds Price (Control) Order, 2016 to regulate the maximum sale price of the Bt. Cotton seeds in the country since Kharif-2016 under the provisions of Essential Commodity Act, 1955. The maximum sale price of ₹ 635 (trait value 0) and ₹ 800 (trait value ₹49) for 450 gms. seed packets plus 120 gms. refugia seeds for BG I and BG II versions respectively of Bt. Cotton seeds for 2016-17. The same price has been retained for the Bt. Cotton seed for 2017-18 by the Government.

Statement

Details of assistance/subsidy for seed production and distribution provided under various existing schemes/programmes implemented by States

Sl. No.	Scheme/ Component	Crop	Scale of Assistance
1	2	3	4
1.	National Food Security Mission (NFSM)	Rice	(a) ₹5000/- per quintal or 50% of seeds cost whichever is less for certified hybrid rice seed distribution. (b) ₹10/- per kg. or 50% of the cost, whichever is less for certified high yielding varieties certified seed distribution for less than 10 years old varieties.
		Wheat	₹ 10/- per kg. or 50% of the cost whichever is less for certified high yielding varieties seed distribution for less than 10 years old varieties.
		Pulses	₹2500/- per quintal or 50% of cost whichever is less for certified seeds distribution for less than 10 years old varieties.
		Coarse cereals- HYVs seed	HYVs ₹1500/- per quintal or 50% of cost whichever is less for HYVs certified seeds distribution for less than 10 years old varieties.
		Hybrid seed	₹ 5000/- per quintal or 50% of cost of seeds whichever is less for Hybrid coarse cereal certified seeds distribution for less than 10 years old varieties.
		Commercial Crops-Jute based cropping system	(a) Seed production (b) Production of breeder seed @ ₹20000/ql. (c) Production of certified Seeds 50% of

1	2	3	4
			the cost limited to ₹120/- per kg. for foundation seed production.
			(d) ₹50/- per kg. for certified seed production.
		Seed Village Programme and Production of seed in Government Farms	(e) ₹5500/ql. for certified seed produced by State Department of Agriculture, State Agricultural Universities, KVKs, SSCs, NSC and SSCA.
		Commercial Crop- Sugarcane	Assistance for breeder seed production @ ₹40000/ha. (₹34000 for inputs and ₹6000 for contingency) to SAUs, ICAR and Sugarcane Research Institute (SRI)
			Production of tissue culture raised plantlets/ seedlings @ ₹3.5 per seedling.
2.	Bringing Green Revolution in Eastern India (BGREI)	Rice and Wheat	Distribution of seeds (a) ₹5000/- per quintal or 50% of seeds cost whichever is less for certified hybrid rice seed distribution. (b) ₹10/- per kg. or 50% of the cost, whichever is less for certified high yielding varieties certified seed distribution for less than 10 years old varieties.
		Rice and Wheat	Production of seeds The assistance for production of seeds @ ₹ 1,000 per qtl. for HYVs of paddy and wheat and ₹ 5,000 per qtl. for paddy hybrid for less than 10 years old varieties from the year 2015-16. Out of this, 75% amount of subsidy is meant for farmers and 25 % to seed producing agencies for meeting expenditure including certification cost.
3.	National Mission on Oil Seeds and Oil Palm	All oilseeds, Hybrid seeds Oil Palm Sprouts	(a) Full cost for purchase of Breeder Seed of oilseeds from ICAR/SAUs etc.

1	2	3	4
(NMOOP)	Cultivation cost as assistance for gestation period for oil palm.	(b) 50% of the cost with a ceiling of ₹ 25 per Kg. of certified seeds except sesame which are not older than 10 years for distribution and ₹ 5000/- per quintal for hybrids and variety of sesame not older than 15 years.	
		(c) Full cost of Seed Minikits of high yielding varieties/hybrids which are less than 10 years. (Implementing agency NSC/NAFED/KRIBHCO etc).	
		(d) 85% of cost of planting material with a ceiling of ₹ 8000/ha. for entire land holding of farmers for oil palm.	
		(e) 50% cost during gestation period for 4 years with ceiling of ₹ 16000/ per ha. for oil palm.	
	Assistance for production of Foundation Seeds	₹ 1000 per quintal for all varieties/ hybrids released during last 10 years and additional assistance of ₹ 100/quintal on the varieties/Hybrids released in last 5 years. 75% of subsidy amount is meant for farmers and 25% for seed producing agencies for meeting expenditure towards certification and production etc. (SDAs/ NSC/NAFED/KRIBHCO/IFFCO/HIL/ IFFDC/Central Multi State Cooperatives such as NCCF).	
	Assistance for production of Certified Seeds	₹ 1000 per quintal for all varieties/ hybrids released during last 10 years and additional assistance of ₹ 100/- quintal on the varieties. Hybrids released in last 5 years, 75% of subsidy amount is meant for farmers and 25% for seed producing	

1	2	3	4
			agencies for meeting expenditure towards certification and production etc. (SDAs/ NSC/NAFED/KRIBHCO/IFFCO/HIL/ IFFDC/Central Multi State Cooperatives such as NCCF).
4.	Rashtriya Krishi Vikas Yojana (RKVY)	All Crops	All activities including Seed Infrastructure.
5.	National Mission on Agricultural Extension and Technology (NMAET)-Sub-Mission on Seeds and Planting Material (SMSP)	Seed Village Programme -All Agricultural Crops (60% GOI and 40% State Share)	<p>(a) Distribution of Seeds</p> <p>To upgrade the quality of farmer saved seed financial assistance for distribution of foundation/certified seeds @ 50% cost of the seeds for Cereals crops and 60% for oilseeds, pulses, green manure and fodder crops is provided for 1 acre of area per farmer for production of quality seeds.</p> <p>(b) Farmers Training-Assistance to train the farmers on seed production and seed technology @ ₹ 15000/- for a group of 50-150 farmers.</p> <p>(c) Seed treating/dressing drums - Financial assistance for treating seeds @ ₹3500 per seed treating drum of 20 kg. capacity and ₹ 5000 per drum of 40kg. capacity.</p> <p>(d) Storage bins-To encourage farmers to develop storage capacity of appropriate quality, financial assistance is provided to farmers for purchasing seed storage bins. The rate of assistance is as under:-</p> <p>@ 33% for SC/ST farmers for 10 qtls. capacity ₹1500.</p> <p>@ 33% for SC/ST farmers for 20 qtls. capacity ₹3000.</p>

1	2	3	4
			<p>@ 25% for General farmers for 10 qtls. capacity ₹1000.</p> <p>@ 25% for General farmers for 20 qtls. capacity ₹2000.</p>
		<p>Certified Seed Production of oilseeds, pulses, green manure and fodder crops through Seed Village (60% GOI and 40% State Share)</p>	<p>A Distribution of Seeds-financial assistance for distribution of foundation seeds @ 75% cost of the seeds of oilseeds, pulses, green manure and fodder crops is provided to the farmers.</p> <p>Farmers Training-Assistance to train the farmers on seed production and seed technology @ ₹ 15000/- for a group of 50-150 farmers.</p> <p>Certification Charges-50% Seed Certification charges maximum of ₹600/ha. or actual whichever is less for certification of seeds produced under the programme.</p> <p>Seed processing and seed storage godowns-Assistance is provided to establish seed processing and prefabricated or other type of seed storage godowns 150 sqm. @ ₹ 10000 per sqm. to process and store 200 MT capacity for each seed village.</p> <p>Financial assistance of ₹7.56 lakh is available for seed processing machinery and supporting equipments etc.</p>
6.	<p>Mission for Integrated Development of Horticulture (MIDH)</p>	<p>Open pollinated crops</p>	<p>@ ₹ 35,000/ha.-For public sector 100%, for private sector 35% in general areas and 50 % in NE and Himalayan States, Tribal Sub Plans (TSP) areas, Andaman and Nicobar and Lakshadweep Islands, limited to 5 ha. Output target of seed for each crop will be fixed by the individual State.</p>
	<p>Seed production for vegetables and Spices</p>	<p>Hybrid seeds</p>	<p>@ ₹ 1.50 lakh/ha.-For public sector 100%. For private sector 35% in general areas and 50% in NE and Himalayan States,</p>

1	2	3	4
			TSP areas, Andaman and Nicobar and Lakshadweep Islands, limited to 5 ha. Output target of seed for each crop will be fixed by the individual State for each beneficiary, before releasing funds.
			Import of planting material ₹ 100.00 lakh-100 % of cost for State Government/ PSUs, as project based activity.
		Seed infrastructure	Seed infrastructure (for handling, processing, packing, storage etc. of seeds meant for use as seed material for cultivation of horticulture crops) @ ₹ 200.00 lakh-100% of cost to public sector For private sector, credit linked back subsidy @ 50% of cost of project.

III effects of excessive use of fertilizers and pesticides

664. SHRI VIVEK GUPTA: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether Government is aware that excessive use of fertilizers and pesticides is adding excessive carcinogens in both land and food produces which is causing irreparable damage to the health of the land and the people;

(b) if so, the steps being taken by Government to prevent such practices;

(c) the amount of fertilizer subsidy disbursed during the last five years, State-wise and district-wise; and

(d) whether Government has commissioned a survey to study the ill effects of excessive use of fertilizers in the country, if so, the details thereof and if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE (SHRI PARSHOTTAM RUPALA): (a) and (b) Imbalanced use of chemical fertilizers coupled with low addition of organic matter over years may cause multinutrient