

NATIONAL FOOD SECURITY MISSION – WHEAT & PULSES

Government of India has launched centrally sponsored National Food Security Mission in the State from Rabi 2007-08. Two crops namely wheat and pulses have been covered under the Mission. It has been envisaged to focus on districts having high potential but relatively low level of productivity. Seven districts of the state namely Ambala, Yamunanagar, Bhiwani, Mahendergarh, Gurgaon, Rohtak and Jhajjar have been covered under NFSM-Wheat. In case of pulses, five districts i.e. Bhiwani, Hisar, Sirsa, Rohtak & Sonapat were covered during 2007-08 to 2009-10. From the year 2010-11, all the districts have been covered under NFSM-Pulses. Main objective of the Mission is to increase production of wheat and pulses through area expansion and productivity enhancement in a sustainable manner in the identified districts of the state.

INTERVENTIONS UNDER NATIONAL FOOD SECURITY MISSION

To achieve the objectives of the Mission following interventions have been envisaged in the scheme:

Distribution of certified seed

Existing Seed Replacement Rates of wheat and gram are about 33% and 10% respectively. Under the Mission, it has been planned to raise/maintain the SRR of wheat to 33%. Therefore, financial assistance on distribution of certified seed of wheat and pulses @ 50% of cost limited to Rs. 500/- and 1200/- per quintal respectively is provided to farmers.

Demonstrations

Demonstrations of improved package of practices in wheat and pulses are organized with financial assistance of Rs. 2000/- per acre. In these demonstrations inputs like seed, fertilizers and plant protection chemicals are provided to farmers.

Seed minikits

Seed minikits of new and promising varieties of wheat are distributed among the farmers free of cost to assess the performance of these varieties in our State in comparison to the existing varieties. These minikits are supplied by NSC and SFCI which are Government of India undertakings.

Micronutrients

Deficiency of micronutrients, particularly Zinc Sulphate, is being reported from various parts of the State. Deficiency of micronutrients affects the productivity of crops. Therefore, financial assistance on micronutrients @ 50% of cost limited to Rs. 500/- per hectare is provided to farmers.

Gypsum

Gypsum is the cheapest source of Sulphur which is an essential element for plants. Widespread Sulphur deficiency is being reported from various parts of the State. Therefore, financial assistance on gypsum @ 50% of cost of material plus transportation cost limited to Rs. 750/- per hectare is provided to farmers. Gypsum is arranged and distributed by Haryana Land Reclamation & Development Corporation (HLRDC).

Farm Machinery

To improve the efficiency of farming operations and to reduce the cost of cultivation, assistance on farm machinery is provided to farmers. Under the Mission, financial assistance is provided on Zero till seed drill, Multi-crop planter & Seed drill @ 50% of cost limited to Rs. 15000/- and Rotavator @ 50% of cost limited to Rs. 30000/- per machine. Assistance @ 50% of cost limited to Rs. 150000/- is also available on Laser Land Leveller to a group of ten farmers.

Knap sack sprayers

For timely and better management of pests and diseases in wheat and pulse crops, Knap sack sprayers are provided to farmers on 50% of cost limited to Rs. 3000/- whichever is less.

Farmers' Field School

Farmers' Field Schools are organized on farmers' fields to provide practical knowledge about the incidence of various pests and diseases on the crops and their management practices. Financial assistance @ Rs. 17000/- per FFS is provided for organizing these Schools.

Integrated Pest Management

A number of pests and diseases affect the productivity of pulse crops. An integrated approach is necessary to manage their incidence and minimize the loss to the crop productivity. Demonstrations on IPM technology are organized with financial assistance @ 50% of cost limited to Rs. 750/- per hectare.

Bio-fertilizers

Bio-fertilizers like Rhizobium and Phosphate Solubilizing Bacteria (PSB) help the pulse crops in better utilization of atmospheric Nitrogen and Phosphorus fixed in soil. To facilitate this, Bio-fertilizer packets are distributed with financial assistance @ 50% of cost limited to Rs. 100/- per hectare.

Plant Protection Chemicals

If biological control measures do not result in effective control of various pests and diseases, then use of chemical pesticides and fungicides becomes necessary. For timely control of these pests, Plant Protection chemicals are provided to pulse growing farmers with financial assistance @ 50% of cost limited to Rs. 500/- per hectare.

Weedicides

Weeds compete with the crop plants for water, nutrients, sunshine etc. Therefore, infestation with weeds affects the water and nutrients' uptake efficiency of the crop plants. In order to promote timely and better management of weeds, weedicides are provided to pulse growing farmers with financial assistance @ 50% of cost limited to Rs. 500/- per hectare.

Sprinkler sets

To improve water use efficiency of pulse crops, sprinkler sets are provided to farmers with financial assistance @ 50% of cost limited to Rs. 7500/- per hectare.

Water carrying pipes

Assistance is also available on pipes for carrying water from the source to the field in pulse crops @ 50% of cost limited to Rs. 15000/- per farmer.

Seed components

Financial assistance is provided to HSDC for the purchase of Breeder seed, production of Foundation seed and production of Certified seed of pulse crops @ full cost and Rs. 1000/- per quintal respectively.

To formulate the Action Plan and supervise its implementation, there are Executive Committees both at State level as well as at district level under the chairpersonship of Chief Secretary and Deputy Commissioner respectively.

State Food Security Mission Executive Committee (SFSMEC)

Composition and functions of SFSMEC are as under:

1	Chief secretary, Haryana	Chairman
2	Financial Commissioners & Principal Secretary to Government, Haryana Agriculture Department	Member
3	Financial Commissioners & Principal Secretary to Government, Haryana Irrigation Department	Member
4	Financial Commissioners & Principal Secretary to Government, Haryana Power Department	Member
5	Financial Commissioners & Principal Secretary to Government, Haryana Cooperation Department	Member
6	Vice Chancellor, CCS HAU, Hisar	Member
7	Director, Directorate of Wheat Research, Karnal	Member
8	Lead Bank Officer	Member
9	State mission Director	Member-Secretary

The State Food Security Mission Executive committee shall perform the following function:

- 1) Review and approve State annual action plans prepared under national food Security Mission.
- 2) Review the progress of National Food Security mission from time to time and provide feedback and directions for effective implementation of the mission Programme.
- 3) Facilitate greater involvement of the private sector in providing inputs, technical support, agro-processing and marketing services to farmers.
- 4) Encourage Credit Lending Institutions to increase the availability of capital to poor and marginal farmers, especially Scheduled Caste and women farmers.
- 5) Encourage each line department plus the krishi vigyan Kendra and Zonal research Station to provide feedback and input into their respective Research & Extension (R&E) Programmers.

District Food Security Mission Executive Committee (DFSMEC)

Composition and functions of DFSMEC are as under:

1	District Collector	Chairman
2	Regional Director, Regional Research Institute, CCS HAU, Hisar or his nominee	Member
3	Senior Coordinator of KVK	Member
4	XEN Irrigation Department	Member
5	District Horticulture Officer	Member
6	Progressive Farmer (to be nominated by the Chairmen)	Member
7	Representative from Self Help Groups Farmers (To be nominated by the chairman)	Member
8	Representative from reputed NGO (to be nominated by the Chairman)	Member

9	Director, HAMETI or his nominee	Member
10	Joint/Addl. Director of Agriculture to be nominated by state Mission Director	Member
11	Project Director (ATMA)-cum-Deputy Director of Agriculture	Member-Secretary

The District Food Security Mission Executive Committee shall perform following functions:

1. Project formulation keeping in view the natural resources available in the district.
2. Implementation of the Mission activities in the district.
3. Monitoring of the mission programme through the district Agriculture Department.
4. Provide necessary guidance and feed back to the implementing agency of the programme.

PATTERN OF ASSISTANCE UNDER NATIONAL FOOD SECURITY MISSION

WHEAT

Component	Pattern of Assistance
Demonstrations	Rs. 2000/- per acre.
Certified seed distribution	50% of the cost limited to Rs. 500/- per qtl.
Seed minikits	Free of cost
Micronutrients	50% of the cost limited to Rs. 500/- per ha.
Gypsum	50% of cost of material plus transportation cost limited to Rs. 750/- per ha. Total assistance on Gypsum and Micronutrients should not exceed Rs. 1000/- per ha.
Zero till seed drill	50% of the cost limited to Rs. 15000/- per machine.
Seed drill	50% of the cost limited to Rs. 15000/- per machine.
Multi-crop Planter	50% of the cost limited to Rs. 15000/- per machine.
Rotavator	50% of the cost limited to Rs. 30000/- per machine.
Laser Land Leveller	50% of the cost limited to Rs. 150000/- per machine for a group of farmers
Knap sack sprayer	50% of cost limited to Rs. 3000/- whichever is less
Sprinkler sets	50% of the cost limited to Rs. 7500/- per Ha.
Farmer Field School	Rs. 17000/- per training.

PULSES

Component	Pattern of Assistance
Purchase of breeder seed	Full cost
Production of foundation seed	Rs. 1000/- per quintal
Production of certified seed	Rs. 1000/- per quintal
Distribution of certified seed	50% of the cost limited to Rs. 1200/- per qtl.
Gypsum	50% of cost of material plus transportation cost limited to Rs. 750/- per ha. Total assistance on Gypsum and Micronutrients should not exceed Rs. 1000/- per ha.
Micronutrients	50% of the cost limited to Rs. 500/- per ha.
Integrated Pest Management	50% of the cost limited to Rs. 750/- per ha.
Sprinkler sets	50% of the cost limited to Rs. 7500/- per Ha.
FFS	Rs. 17000/- per FFS
Training of Extension workers	Rs. 1.00 lakh per training
Zero till seed drill	50% of the cost limited to Rs. 15000/- per machine.
Seed drill	50% of the cost limited to Rs. 15000/- per machine.
Multi-crop Planter	50% of the cost limited to Rs. 15000/- per machine.
Rotavator	50% of the cost limited to Rs. 30000/- per machine.
Laser Land Leveller	50% of the cost limited to Rs. 150000/- per machine for a group of farmers
Knap sack sprayer	50% of cost limited to Rs. 3000/- whichever is less
Bio-fertilizer	50% of the cost limited to Rs. 100/- per Ha.
PP Chemicals	50% of the cost limited to Rs. 500/- per Ha.
Weedicides	50% of the cost limited to Rs. 500/- per Ha.
Water carrying pipes	50% of cost limited to Rs. 15000/- per farmer

PROGRESS REPORT OF NATIONAL FOOD SECURITY MISSION-WHEAT (NFSM-WHEAT) 2007-08

(Rs. in Lakhs)

S. No.	Approved Interventions	Unit	Physical		Financial	
			Tar.	Ach.	Allo.	Exp.
1	2	3	4	5	6	7
1	Demonstration	Acre	2284	2284	45.68	36.665
2	Distribution of certified seed	Qtl.	68400	750	342.00	3.75
3	Seed minikits	No.	26000	26000	-	-
4	Micronutrients	Ha.	81400	1155	407.00	3.18
5	Gypsum	„	90000	120	450.00	0.26
6	Zero Till Seed Drills	No.	650	443	97.50	58.77
7	Rotavators	„	910	776	273.00	232.79
8	FFS	„	120	120	20.40	12.90
9	Misc. expenses District level				44.66	2.45
	State level				13.87	5.62
10	Local initiative		-	-	180.00	-
	Total				1874.11	356.385

REVISED PROGRESS REPORT OF NATIONAL FOOD SECURITY MISSION-PULSES (NFSM-PULSES)

2007-08

(Rs. in Lakhs)

S. No.	Approved Interventions	Unit	Physical		Financial	
			Tar.	Ach.	Allo.	Exp.
1	2	3	4	5	6	7
1	Purchase of Breeder Seed	Qtl.	10	-	0.50	-
2	Production of Foundation Seed	„	500	335	5.00	2.16
3	Production of Certified Seed	„	1000	371	10.00	3.36
4	Distribution of Certified Seed	„	2500	173	30.00	1.22
5	Strengthening of SSCA	-	-	-	10.00	2.93
6	Micronutrients	Ha.	3200	100	16.00	0.24
7	Gypsum	„	4000	-	30.00	-
8	IPM	„	2134	-	16.00	-
9	Sprinkler sets	No.	300	24	22.50	3.70
10	Extension, Trg. & Mass media	-	-	-	50.00	0.79
11	Misc. expenses	-	-	-	25.00	1.22
	Total Financial				215.00	15.62

PROGRESS REPORT OF NATIONAL FOOD SECURITY MISSION-WHEAT (NFSM-WHEAT) 2008-09

(Rs. in Lakhs)

Sr. No.	Approved Interventions	Unit	Physical		Financial	
			Tar.	Ach.	Allo.	Exp.
1	2	3	4	5	6	7
1	Demonstration	Acre	2500	2500	50.00	41.82
2	Distribution of certified seed	Qtl.	86000	64138	430.00	373.68
3	Seed minikits	No.	13000	13000	0	0
4	Micronutrients	Ha.	21060	19216	80.03	69.26
5	Gypsum	„	27660	27272	171.49	166.26
6	Zero Till Seed Drills	No.	850	569	127.50	78.83
7	Rotavators	„	1170	1096	351.00	320.40
8	Sprinkler sets	Ha.	10200	9893	765.00	735.50
9	FFS	„	150	150	25.50	21.26
10	Misc. expenses District level				44.66	5.36
	State level				13.87	4.86
11	Local initiative		121145	113583	494.00	406.23
	Total Financial allocation				2553.05	2223.460

PROGRESS REPORT OF NATIONAL FOOD SECURITY MISSION-PULSES (NFSM-PULSES) 2008-09
(Rs. in Lakhs)

Sr. No.	Approved Interventions	Unit	Physical		Financial	
			Tar.	Ach.	Allo.	Exp.
1	Purchase of Breeder Seed	Qtl.	34	1.78	1.92	0.10
2	Production of Foundation Seed	„	90	0.90	41	0.41
3	Production of Certified Seed	„	200	2.00	252	2.52
4	Distribution of Certified Seed	„	290	3.48	222	2.66
5	Strengthening of SSCA	-	-	-	-	7.06
6	Micronutrients	Ha.	2300	11.50	2300	9.64
7	Gypsum	„	2300	17.25	1200	6.11
8	IPM	„	2302	17.265	1525	11.33
9	Sprinkler sets	„	106	7.95	106	7.34
10	FFS	No.	8	1.36	8	0.99
11	Training of Extension workers	„	1	1.00	2	0.77
12	Misc. expenses District level	-	-	22.35	-	8.51
	State level			6.28		0.50
13	Local Initiatives	Ha.	30000	75.00	9700	16.02
	Total			168.115		73.96

PROGRESS REPORT OF NFSM-WHEAT IN HARYANA DURING 2009-10

(Rs. in Lakh)

Component	Unit	Physical		Financial	
		Target	Ach.	Allocation	Expenditure
Demonstrations	Acre	2523	2523	50.46	42.86
Distribution of Certified seed	Qtl.	95071	96152	665.50	609.27
Seed minikits	No.	17613	17613	0	0
Micronutrients	Ha.	87336	89722	243.45	250.44
Gypsum	„	47734	47545	294.52	293.36
Zero till Seed drill	No.	567	542	85.05	81.30
Rotavator	„	665	679	199.50	203.25
Seed Drill	„	40	229	6.00	28.13
Sprinkler sets	Ha.	7400	7810	555.00	586.66
Hand sprayer	No.	8570	6483	38.57	28.02
FFS	„	145	145	24.65	21.97
Local Initiatives	Ha.		54305	140.00	115.81
Misc. expenses District level				10.71	5.16
State level				8.00	5.54
Total				2321.41	2271.77

PROGRESS REPORT OF NFSM-PULSES IN HARYANA DURING 2009-10

(Rs. in Lakh)

Component	Unit	Physical		Financial	
		Target	Ach.	Allocation	Expenditure
Purchase of breeder seed	Qtl.	2	1.68	0.10	0.10
Production of foundation seed	„	41	41	0.41	0.41
Production of certified seed	„	728	728	7.28	7.28
Distribution of certified seed	„	3200	3598	48.00	47.21
Gypsum	Ha.	37957	37523	234.20	231.51
Micronutrients	„	34000	31482	94.79	87.83
Integrated Pest Management	„	6000	5550	35.00	24.29
Distribution of Sprinkler sets	„	3160	2614	237.00	189.89
Zero Till Seed Drill	No.	390	380	58.50	57.00
Rotavator	„	750	726	225.00	217.80
Seed Drill	„	-	201	0	22.59
Hand sprayer	„	4677	4275	21.05	17.76
FFS	„	10	10	1.70	1.25
Training of Ext. workers	„	1	2	1.00	0.82
Local Initiatives	Ha.		63871	100.00	84.80
Misc. expenses District level				8.00	3.71
State level				2.17	0.50
Total				1074.20	994.75

PROGRESS REPORT OF NFSM-WHEAT FOR 2010-11

(Rs. in Lakh)

Sr. No.	Component	Unit	Physical		Financial	
			Target	Ach.	Allo.	Exp.
1	Demonstrations	No.	2520	2520	50.40	43.58
2	Seed distribution	Qtl.	90000	88980	450.00	444.90
3	Seed minikits	No.	12613	12613	0	0
4	Micronutrients	Ha.	73000	72434	208.05	206.44
5	Gypsum	„	12000	11732	85.80	83.87
6	Zero Till Seed Drills	No.	302	266	45.30	39.90
7	Rotavators	„	920	856	276.00	256.80
8	Multi-crop Planters	„	1	-	0.15	0
9	Seed Drills	„	600	724	90.00	92.83
10	Sprinkler sets	Ha.	14333	14333	1074.97	983.35
11	Knap Sack Sprayers	No.	6670	5215	30.00	21.67
12	Farmers Training (FFS)	„	125	125	21.25	20.58
13	Local Initiative	Ha.	12000	22032	60.00	54.66
14	Misc. exp. District Level				8.00	4.12
15	State level				8.73	4.75
	Total				2408.65	2257.45

PROGRESS REPORT OF NFSM-PULSES FOR 2010-11

(Rs. in Lakh)

Sr. No.	Component	Unit	Physical		Financial	
			Tar.	Ach.	Allocation	Exp.
1	Purchase of Breeder seed	Qtl.	3.28	3.28	0.283	0.26
2	Prod. Of Foundation seed	„	78	78	0.78	0.79
3	Prod. Of Certified seed	„	912	912	2.40	2.40
4	Certified Seed distribution	„	3500	3442	42.00	41.31
5	Technology Demonstrations	No.	2000	1993	35.00	28.94
6	Gypsum	Ha.	11550	11403	82.58	81.53
7	Micronutrients	„	35700	35443	101.75	101.01
8	Biofertilizer	„	16500	16500	4.14	3.20
9	Integrated Pest Management	„	2800	2325	15.00	8.04
10	PP Chemicals	„	5000	4650	21.50	13.20
11	Knap Sack Sprayers	No.	5100	4527	23.00	18.83
12	Zero Till Seed Drills	„	145	141	21.75	21.15
13	Multi-crop Planters	„	8	3	1.20	0.45
14	Seed Drills	„	275	371	41.25	47.88
15	Rotavators	„	850	869	255.00	287.70
16	Sprinkler sets	Ha.	4530	4530	339.75	243.26
17	Pipes for carrying water	Mtr.	40000	40000	7.50	0
18	Farmers Training (FFS)	„	20	20	3.40	3.07
19	Training for Trainers	„	1	1	0.76	0.75
20	Local Initiative	Ha.	15000	15000	60.00	44.98
21	Misc. exp. District Level				21.00	11.66
22	State level				2.00	0.50
	Total				1082.043	960.91