



सत्यमेव जयते

GOVERNMENT OF MAHARASHTRA

PERFORMANCE BUDGET

2021-2022

1

AGRICULTURE

GOVERNMENT PRESS, KOLHAPUR
2021

PERFORMANCE BUDGET

2021-2022

Agriculture, Animal Husbandry, Dairy Development & Fisheries Department

1

Agriculture

No. of Performance Budget	Name of Performance Budget
1.	Agriculture, Animal-Dairy & Fisheries Dept. (Agri.)
2.	Agriculture, Animal-Dairy & Fisheries Dept. (Animal Husbandry)
3.	Agriculture, Animal-Dairy & Fisheries Dept. (Dairy Development)
4.	Agriculture, Animal-Dairy & Fisheries Dept. (Fisheries)
5.	Agriculture, Animal-Dairy & Fisheries Dept. (Horticulture)

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Introduction

Agriculture department is established with object of increasing standard of living of farmers in the State. Afterwards reformation in the department were organised as per progress was made in the Agriculture Sector from time to time. For dissemination of Agriculture Technology Agriculture extension and training branch, for management of natural resources. Soil and water conservation branch, for Horticulture development Horticulture branch, for availability of quality seeds and inputs to the farmers. Inputs and Quality control branch, for Agriculture processing and encouragement Agriculture export Agriculture processing and export branch, for Agriculture statistics information compilation, Statistics branches were started. National Horticulture Mission was started for development in Horticulture. Small farmers consortium was established for farmers Agriculture trade and Guidance to value added project and financial management guidance to farmers.

Various schemes are implemented to increase the production and productivity of various crops with the help of improved technology dissemination developed by agriculture universities. In this main emphasis is given on crop planning as per geographical situation, use of improved varieties, required measures for soil health, balanced use of fertilizer as per soil pH Biological control of insects and pest, use of drip and sprinkler irrigation, seed treatment. Efforts are made for seed production programme and various training programmes and farmers field schools (FFS) for technology transfer at local level. Soil health card distribution which is a flagship programme is implemented for soil nutrients availability information to the farmers. The biological laboratories are established for making available bio-fertilizer and bio-pesticide to the farmers in the state. To increase involvement of women in the Agriculture the women beneficiaries are compulsory included in the various schemes. In addition to this in the various programmes like farmers training, Crop demonstrations of HYV, farmers study tour for women are included Women having extra ordinary work are honoured by giving Jijamata Krishi Bhushan award by the Agriculture department. Special State schemes were implemented to uplift the life of schedule cast and scheduled tribes above poverty line. In addition to this, in centrally sponsored schemes individual beneficiaries are benefited in proportion of available

resources. Mechanization is encouraged for making the farming business profitable.

For increasing the production of Rice, Wheat, Pulses National Food Security Mission is implemented since 2007-08. Cotton and sugarcane crops are also included in the National food security mission. Rashtriya Krishi Vikas Yojana (RKVY) is implemented in all the districts of the state for increasing annual GDP above 4% of Agriculture and allied sector as per the recommendation No. 53 of National Development Conference. Krishi Unnati Abhiyan is implemented for uplift the life of farmers in the State to increase in production of foodgrain and for self sufficiency in the Agriculture field.

Budget Program is not evaluation but is the efforts to show the performance done by the agriculture department taking into consideration new assignment on the basis new initiatives.

2. Agriculture Policy Vision

In Maharashtra the livelihood of most of people is related with Agriculture field. Agriculture is the main source of food grain and employment agriculture policy. To make farmers capable and self sufficient and to increase production & productivity pertaining to improve financial capacity of farmers such action plan adopted.

Targets

1. Efficient use of Natural resources for increase the GDP.
2. To make the farmers self sufficient.
3. Efficient use of limited water resources in the state.
4. To distribute the inputs on timely for production.
5. Supply sufficient and timely credit.
6. Encouragement to Natural and organic farming.
7. Implementation of watershed Management programme and Dry land Agriculture technology.
8. To generate employment by soil conservation and fruit cultivation.
9. Transfer the Research work of Agriculture Universities to the Common Farmers.
10. Encouragement of Crop insurance scheme.

11. Creation of skilled and unskilled employment generation in the farming.

12. Increase of women contribution in the field of agriculture.

13. Focus on the development of Agriculture of tribal backward and small/marginal farmers.

14. Implementation of Road, Telecommunication and information technology for the farmers.

15. Development of basic facilities post harvest technology storage transport, processing management for reasonable price.

16. Improvement of the working and Rules of agriculture produce committee.

17. Security of foodgrains and improvement of the quality of nutrients.

Special Programme

Taking into consideration the nutritional principles of nutri-cereals in the human diet, the Central Government has taken a strategic decision to implement the year 2018-19 and 2019-20 as a "Nutri Cereal Year". The meeting of the Central Government was held at New Delhi on 05-02-2018 to enhance the production and productivity of cereal crops. Accordingly, the previous National Food Security Mission-Coarse cereals have been launched by separate campaigns for the National Food Security Mission-Coarse cereals (Maize) and National Food Security Mission-Nutri Cereal (Jowar, Bajra and Ragi) crops.

These include crop demonstrations, certified seed distribution, certified seed production, Integrated Nutrients and pest management, as well as agricultural tools/Implements under Flexi components, farmers training, and processing units for value addition,

workshops and publicity publications. It includes a total of 26 districts (including Thane Palghar) for Nutri cereals and 07 districts under coarse cereals (maize) crops. In this regard, awareness about nutritional nutrients is being done at district and state level through health and other departments.

Doubling the farmers income

The measures for doubling the farmers income of state government upto 2022.

Background

The farming in Maharashtra is mainly dry farming so that crop productivity is affected by the irregular rainfall which ultimately affects the income of farmers. Since 2011, upto 2013-14 hail storm, food and natural calamities are continuously affecting the yield. Under Such circumstances the Govt. of Maharashtra has planned the measures for doubling the farmers income. For doubling the farmers income main factor is rainfall and reduction in the cost of cultivation.

Targets

1. Productivity enhancement
 2. Reducing the cost of cultivation
 3. Water conservation for soil moisture security (More crop per drop)
 4. Risk mitigation
 5. Integrated farming policy
 6. Post harvest technology for value addition
 7. Promote Group farming
 8. Promoting export of Agril. produce
 9. Development of value addition chain
-

Introduction :

Rainfed Area Development (RAD)
Under National Mission For Sustainable Agriculture (NMSA)

Rainfed Area Development is one of the four components under National Mission For Sustainable Agriculture (NMSA) which is being implemented from the year 2014-15 in the State. This component mainly aimed at improving agricultural productivity of rainfed areas in a sustainable manner by adopting appropriate farming system based approaches and dissemination of climate resilient technology. This component includes two sub components *viz.* Integrated farming system and value addition & farm development activities.

Crop Pest Surveillance & Advisory Project (CROPSAP)

The Cash crop like Cotton and Sugarcane, Cereal crop like Paddy Sorghum and Maize, Oilseed crop like Soybean and Pulses like Pigeonpea and Gram are economically important for the farmers. The outbreak of pest & disease causing crop damage and result in loss of production and financial loss of the farmers. To avoid such losses, Government of Maharashtra undertaken Crop Pest Surveillance & Advisory Project (CROPSAP). In this project, based on survey, crop pest advisories are sent to farmers through the SMS. Mass awareness is created about pest infestation and their control measures thereby enhancing production by avoiding economical losses.

Agriculture University

The Agricultural University has various level of agricultural education facilities. In addition to this, agricultural universities are working on research of useful agro-technology. The propagation of this technology is communicated to the farmers through the Agricultural Department. To ensure that the farmers will use this technology for the sake of pursuing and recommending the research issues, various programs are undertaken by the Department of Agriculture, whereby input and agricultural related services will be made available to the farmers as per their requirement.

Out of the total 308 lakh hectare geographical area in the state of Maharashtra, about net cultivation are 194.34 hectare and gross cropped area is 228.13 lakh hectare. There is widespread disparity between land and weather in different parts of the state. About 1/3 of the area is under the drought affected area. As a result, there is a significant variation in agricultural income every year. About 2/3 of the total area under the crop in the state of Maharashtra is under kharif season and the remaining area is under rabi season and the minor area is under summer season.

National Food Security Mission (Oilseed and Oil Palm) NFSM (OS & OP)

Government of India has launched National Mission on Oilseed and Oil Palm (NMOOP) in year 2014-15. National Mission on Oilseed and Oil Palm (NMOOP) is in year 2018-19 merged with NFSM (Oilseed and Oil palm).

Under this Mission Three missions are implemented given below,

1) Mission-1 NFSM (Oilseed) 3) TRFA (Oilseed) mission IV

2) Mission-3 NFSM (Tree Borne Oilseed *i.e.* TBOs) are implemented in Maharashtra with the Central: State sharing pattern 60:40.

Objectives of the Mission :

Government of India has set the main objective of the Mission to enhance area and productivity of oilseed crops to attain self-sufficiency in edible oil production.

District Covered :

Districts with more area but low productivity compared to state average and districts with less area but high productivity are selected in the Mission.

Sr. No.	Mission-1 NFSM (Oilseed)		Mission-3 NFSM (Tree Borne Oilseed)	
	Crops	Districts	Crops	Districts
1	Soyabean	Ahemadnagar, Beed, Latur, Osmanabad, Nanded, Hingoli, Buldhana, Akola, Amaravati, Washim, Yevotmal, Wardha, Nagpur, Chandrapur (14)	Karanj	Thane, Palghar, Raigad, Ratnagiri, Nadurbar (5)
2	Groundnut	Nashik, Dhule, Pune, Sangli (4).	Kokam	Raigad, Ratnagiri, Sindhudurg (3)
3	Safflower	Ahemadnagar, Beed, Osmanabad, Parbhani (4).	Mahua	Thane, Palghar, Raigad, Ratnagiri, Nadurbar (5)

Mission-4 Thane, Ratnagiri, Sindhudurg, Bhandara, Gondia, Gadchiroli

Components of the Mission :

Following components are incorporated in the Mission:

Mission-1 NFSM (Oilseed) :

- 1) Seed Components : Purchase of breeder seed, Production of foundation/Certified seed, Distribution of certified seeds.
- 2) Transfer of technology : Crop demonstrations, farmer training, Officer training, farmer field school.
- 3) Production of Inputs : Distribution of Gypsum/Pyrites/liming/dolomite/SSP, etc, Supply of Rhizbium/PSB, Supply of PP Chemicals including weedicide & Micronutrients etc, NPV, Supply of Improved farm implements, Pipes,
- 4) Flexi Funds : Farm Ponds, Construction of Godown and Diesel Pump sets distribution.
- 5) Project Management Expenses

Mission-3 NFSM (Tree Borne Oilseed) :

- 1) Area Expansions inputs : Inegrated development of Nurseries & Plantation
- 2) Training : Farmer/Officers/Extension/Workers/Input dealer training
- 3) Flexi Funds : Farm Ponds, Diesel Pump sets distribution

Mission 4 : TRFA (Oilseed) : 1) Crop demonstration (Safflower, Linseed, Sesame, Groundnut), 2) INM, 3) Agriculture Mechanization, 4) Trainings

Financial Status :

Sr. No.	Mini Mission	2018-19			2019-20			2020-21		
		Sanction Programme	Available Grants	Expd.	Sanction Programme	Available Grants	Expd.	Sanction Programme	Available Grants	Nov. 20
1	Mission I	7788.18	6180.30	5443.41	5160.18	4663.528	2793.411	4560.78	1554.16	1424.74
2	Mission III	112.73	81.95	57.49	112.68	82.216	38.00	13.86	12.34	..
3	Mission IV	..	..	..	108.71	95.32	80.00	116.57	..	..
Total		7900.91	8180.30	5500.90	5381.57	4841.06	2911.411	4691.32	1566.50	1424.74

Annexure-I
National Food Security Mission (Oilseed & Oilpalm) Year 2019-20
Final Progress Report by March-2020 (NFSM-Oilseed)

(Rs. in Lakh)

Sr. No.	Item/Component	Unit	Upper Subsidy Limit		Physical		Financial		Grant required for pending Liabilities
			General	SC/ST/S & M Farmers/Women	Target	Achiv.	Target	Achiv.	
A) Regular Programme of 2019-20									
I. SEED Components (30%)									
1.	Purchase of Breeder Seed	Qtls.	Full Cost as per ICAR rates		602	687	70.00	79.74	..
2.	Production of Foundation Seed	Qtls.	Rs. 2500/- qtl.		20326	20326	200.00	27.18	168.89
3.	Production of Certified Seed	Qtls.	Rs. 2500/- qtl.		29976	29976	749.39	102.10	628.45
4.	Distribution of Certified Seed	Qtls.	Rs. 2500/- qtl.		48319	48323	1207.97	674.98	532.49
Total-I					99222	99311	2227.36	884.00	1329.82
II. Transfer of Technology (24%)									
A) Block Demonstration									
5.	i) Soybean	Ha.	@ Rs. 6000/- per Ha.		19200	20880	1152.00	978.26	211.03
	ii) Groundnut	Ha.	@ Rs.10,000/- per Ha.		1000	104	100.00	1.37	1.78
	iii) Sunflower	Ha.	@ Rs. 3000/- per Ha.		800	670	24.00	18.13	..
Total-5					21000	21654	1276.00	997.76	212.81
6.	Farmers Field School	..	Rs. 14000/- FFS		633	752	88.64	84.09	15.94
7.	Farmers Training	Nos.	Rs. 24000/- training		72	55	17.28	9.86	1.74
8.	Extn. Officers Training	Nos.	Rs. 36000/- training		38	31	13.68	8.69	1.48
Total-II					..	..	1395.60	1100.40	231.96
III. Production Input (10%)									
9.	Distribution of Gypsum/Pyrites/liming/dolomite/SSP. etc.	Ha.	@50% of the cost limited to Rs. 750/- Ha.		6667	1454	50.00	5.23	5.57
10.	Supply of Rhizobium/PSB	Ha.	@50% of the cost limited to Rs. 300/- Ha.		16852	12646	50.55	30.12	2.90
11.	Supply of PP Chemicals including weedicide & Micronutrients etc.	Ha.	@50% of the cost limited to Rs. 500/- Ha.		10000	11618	5000	42.15	8.37
12.	Nuclear Polyhedrosis Virus (NPV)	Ha.	@50% of the cost limited to Rs. 500/- Ha.		10000	1715	50.00	6.06	1.34
13.	Supply of Improved farm implements								
	i) Manual Operated	Nos.	As per SMAM Norms		1527	186	152.70	14.28	3.93
	ii) Tractor drawn implement	Nos.	As per SMAM Norms		700	801	525.00	279.46	121.43
14.	Pipes for carrying water from sources to the field	Meter	@ 50 % of the cost as per Pipe type (@Rs. 20 to Rs. 50/- mt.) with ceiling of Rs. 15000/- for per farmers.		900000	827565	450.00	271.33	92.74
Total-III					..	..	1328.25	648.63	236.38

(Rs. in Lakh)

Sr. No.	Item/Component	Unit	Upper Subsidy Limit		Physical		Financial		Grant required for pending Liabilities
			General	SC/ST/S & M Farmers/Women	Target	Achiv.	Target	Achiv.	
IV. Flexi Funds (10%)									
15.	i) Farm Ponds (20 x 20 x 3)	Nos.	@50% of the cost limited to Rs. 40,467/-		..	..	..	..	..
	ii) Farm Ponds (30 x 30 x 3)	Nos.	@50% of the cost limited to Rs. 50,000/-		..	..	..	..	..
	iii) Construction of Godown		@50% of the cost limited to Rs. 12.50 lakh		..	..	..	..	..
	iv) Diesel pump sets distribution		@50% of the cost limited to Rs. 10,000/-		..	..	..	..	..
Total-IV					..	..	..	..	..
V. Project Management Expenses (10%)									
15.	i) Remuneration of TSG Staff				41	40	152.46	118.13	11.05
	ii) Hiring of vehicle				..	..	..	..	..
	iii) Contingency				..	..	7.98	3.94	2.39
Total V					..	..	160.44	122.07	13.44
Total (I to V)					..	..	5111.65	2755.10	1811.51
B) Pending Liabilities 2018-19					..	..	48.53	38.32	10.21
Grand Total (A+B)					..	..	5160.18	2793.41	1821.72
Central Share					..	..	3094.99	1688.85	1083.36
State Share					..	..	2065.19	1104.56	738.36

Annexure-II
National Food Security Mission (Oilseed and Oilpalm) year 2019-20
Final Progress Report by March-2020 (NFSM (TBOs))

(Rs. in Lakh)

Sr. No.	Components	Unit	Pattern of Funding	Rate of Assistance	Physical		Financial		pending Liabilities of 2019-20
					Target	Achiv.	Target	Achiv.	
A) Regular Programme of 2018-19									
I. Area Expansions inputs									
I.1 Integrated development of Nurseries & Plantation									
a)	Karanj	Ha.	60.40	Rs. 20,000/- Ha.	100	23	20.00	4.60	..
b)	Mahua	Ha.	60.40	Rs. 15,000/- Ha.	50	21	7.50	1.96	0.95
c)	Kokum	Ha.	60.40	Rs. 15,000/- Ha.	400	223.45	60.00	21.29	6.34
Total (I.1)		Ha.	60.40	..	550	267.45	87.50	27.85	7.29
I.2 Maintenance of TBOs Plantation									
a)	Karanj	Ha.	60.40.	Rs. 2000/- Ha.	56.10	..	1.12	..	..
b)	Mahua	Ha.	60.40	Rs. 2000/- Ha.	66.90	79.68	1.34	0.92	0.49
c)	Kokum	Ha.	60.40	Rs. 2000/- Ha.	469	250.27	9.38	4.81	0.99
Total (I.2)		..	..	..	592	329.95	11.84	5.72	1.49
Total I		..	..	..	1142	597.40	99.34	33.58	8.78
II. Transfer of Technology									
1.	Farmers training (District Level)	Nos.	60.40	Rs. 24,000/- per training	6	6	1.44	1.11	0.33
2.	Officers/extension/workers/input dealer training (Division Level)	Nos.	60.40	Rs. 36,000/- per training	1	1	0.36	..	0.36
Total II		..	..	..	7	7	1.80	1.11	0.69
III. Project Management Expenses					..	..	1.03	0.56	0.10
IV. Flexi Funds									
i)	Farm Ponds (20 x 20 x 3)	Nos.	60.40	@50% of the cost limited to Rs. 40,467/-	3	..	1.21	..	} 4.30
ii)	Farm Ponds (30 x 30 x 3)	Nos.	60.40	@50% of the cost limited to Rs. 50,000/-	3	3	1.50	1.00	
iii)	Diesel Pump sets	Nos.	60.40	@50% of the cost limited to Rs. 10,000/-	78	57	7.80	1.75	
Total-IV		-	-	-	84	60	10.51	2.75	4.30
Total (I to IV)					..	..	112.68	38.00	13.86
Central Share					..	..	67.61	23.01	8.32
State Share					..	..	45.07	14.99	5.55

Summary-National Food Security Mission (Oilseed and Oilpalm) 2019-20

(Rs. in Lakh)

Sr. No.	Mini Mission	Mini Mission : 1 (Oilseed)			Mini Mission : 3 (TBO's)			Total		
		Central	State	Total	Central	State	Total	Central	State	Total
1	Sanction Programme	3098.99	2061.19	5160.18	67.61	45.07	112.68	3166.60	2106.26	5772.86
2	Grants Released by Gol	3021.60	..	3021.60	63.40	..	63.40	3085.00	..	3085.50
3	Grants Distributed by GoM	2798.11	1657.07	4455.12	45.01	26.25	71.26	2843.12	1683.32	4526.43
4	Final Expd. by the end of March 2020	1688.85	1104.56	2793.41	23.01	14.99	38.00	1711.86	1119.55	2831.41

**TRFA-Oilseeds under NFSM (OS & OP) 2019-20
Final Progress Report by March-2020**

(Rs. in Lakh)

Sr. No.	Intervention	Approved rate of assistance	Targat		Achievement		Grants required for Pending Liability
			Physical	Financial	Physical	Financial	
1.	Cluster demonstration						
	@2.50 lakh/Village						
	a) Musturd		110	3.30	12	0.35	..
	b) Linseed		520	15.60	540	14.16	0.95
	c) Seasmum	Rs. 3000/ha	100	3.00	..	..	..
	d) Safflower		280	8.40	120	2.38	..
	e) Groundnut	Rs. 10,000/ha	440	44.00	707	38.80	26.10
	Total 1		..	74.30	1379	55.69	27.05
2.	Integrated Nutrient Management						
	a) Micronutrients	Rs. 500/ ha	500	2.50	253	1.02	0.22
	b) Gypsum	Rs. 750/ ha	300	2.25	..	..	..
	c) Bio-fertilizers	Rs. 500/ ha	810	4.05	213	1.02	..
	d) Bio-pesticides	Rs. 500/ ha	600	3.00	235	1.04	0.08
	e) Sprinkles	As per PMKSY	20	2.87	20	2.87	..
	f) Water carrying pipes	As per NFSM	6100	3.05	8650	2.90	0.15
	g) Farm Machinery						
	i) Seed drill	As per SMAM	5	1.00	1	0.20	..
	ii) Rotavator		5	2.25	7	3.25	..
	Total 2		..	20.97	9379	12.29	0.45
3.	Trainings						
	a) Training of Farmers	Rs. 0.24 lakh/Trg.	50	12.00	60	11.30	0.24
	b) Training of Officers	Rs. 0.36 lakh/Trg.	4	1.44	3	0.72	0.36
	Total 3		54	13.44	63	12.02	0.60
	Grant Total (1 to 3)		..	108.71	..	80.00	28.10
	Central Share		..	65.22	..	48.72	16.86
	State Share		..	43.49	..	31.28	11.24

National Food Security Mission (Oilseeds) under NFSM (OS & OP) 2020-21
Monthly Progress Report by December, 2020 end

(Rs. in Lakh)

State : Maharashtra

Sr. No.	Components	Unit	Rate of Assistance	AAP approved by GoI		AAP Approved by GoM		Achievement by Dec., 20 end		Expd. as per physical achievement
				Physical	Financial	Physical	Financial	Physical	Financial	
I. SEED Components (30%)										
1.	Purchase of Breeder Seed	Qtls.	Actual Cost	559	65.00	172	20.00	238	..	27.98
2.	Production of Foundation Seed	Qtls.	Rs. 2500/-	4895	122.38	6500	162.50	6500	11.32	162.50
3.	Production of Certified Seed	Qtls.	Rs. 2500/-	28000	700.00	22000	550.00	22000	1.80	550.00
4.	Distribution of Certified Seeds	}	..	..	..	..	..	..	..	..
	b. Notified with in 10 year			Qtls.	Rs. 4000/-	21500	860.00
Total of Seed Components (I)				..	1747.38	..	732.50	..	13.12	740.48
II. TOT Programmes (27%)										
Cluster Demonstration										
6.	ii) Soybean	Ha.	Rs. 6000/-	24200	1452.00	} 3300	198.00	3900	58.03	198.00
	iii) Sesame	Ha.	Rs. 3000/-	125	3.75					
	vii) Safflower	Ha.	Rs. 3000/-	800	24.00					
	ix) Linseed	Ha.	Rs. 3000/-	340	10.20					
8.	IMP Demonstration-FFS	Nos.	Rs. 26700/-	258	68.89	..	..	..	..	..
9.	Farmers Training	Nos.	Rs. 24000/-	160	38.40	..	..	..	..	..
10.	Officers Training	Nos.	Rs. 36000/-	38	13.68	..	..	..	..	..
Total of TOT Programmes (II)				..	1610.92	..	198.00	..	58.03	198.00
III. Production Input (30%)										
11.	Dist. of Gypsum/Pyrites/ Lime/SSP. etc.	Ha.	Rs. 750/-	14000	105.00	..	..	..	..	..
12.	Supply of Rhizobium/PSB/ ZSB/Azatobactor/Mycorrhiza culture	Ha.	Rs. 300/-	19000	57.00	..	..	..	..	..
13.	PP Chemicals/ Insecticides/ bio pesticides/ weedicides/ bio agents/ micronutrients etc.	Ha.	Rs. 500/-	20000	100.00	..	..	..	..	..
14.	Nuclear Polyhedrosis Virus (NPV)	Ha.	Rs. 500/-	10000	50.00	..	..	..	..	..
15. Distribution of Plant Protection Equipment										
Supply of Improved Farm Implements										
16.	a) Manual operated	Nos.	Rs. 10000/-	250	25.00	..	..	..	..	..
	b) Tractor drawn implements	Nos.	Rs. 75000/-	1300	975.00	1260	945.00	..	..	..
18.	Pipes for carrying water from source to the field	Meter	Rs. 50/- to Rs. 20/-	950000	475.00	950000	475.00	..	..	..
Total of Production Inputs (III).				..	1787.00	..	1420.00	..	..	..

National Food Security Mission (Oilseeds) under NFSM (OS & OP) 2020-21
Monthly Progress Report by December, 2020 end

(Rs. in Lakh)

State : Maharashtra

Sr. No.	Components	Unit	Rate of Assistance	AAP approved by GoI		AAP Approved by GoM		Achievement by Dec., 20 end		Expd. as per physical achievement
				Physical	Financial	Physical	Financial	Physical	Financial	
IV. Flexi Funds (10%)										
ii)	Diesel/Electric Pump sets	Nos.	Rs. 10000/Set	1570	157.00	1570	157.00	..	..	..
iii)	Farm Pond (20x20x3) (30x30x3)	Nos.	Farm pond on Demand	418	201.75	200	100.00	..	..	..
vii)	Construction of Godown	Nos.	Rs. 12.50 lakh/ 250 M.T. Godown	19	237.50	..	..	..	..	..
Total of Flexi fund (IV)			..	..	596.25	..	257.00	..	..	..
V. Project Management Expenses (3%)										
i)	State level	Nos.	As per NFSM Pulses	4	22.00	41	121.14	26	46.61	46.61
ii)	District level	Nos.	As per NFSM Pulses	38	137.94					
iii)	Hiring of vehicle/ Monitoring of Scheme	Nos.	Rs. 0.50 lakh/ Dist.	19	8.55	..	..	..	..	..
iv)	Contingency	Nos.	Rs. 1.60 lakh/ Dist.	20	10.42	20	10.42	..	0.75	0.75
Total of Project Management Expenses (V)				..	178.91	..	131.56	..	47.36	47.36
AAP for 2020-21 (I to V)				..	5920.46	..	2739.06	..	118.50	985.83
VI. Pending liability of 2019-20 (mission I and III)										
i)	Form AAP 2020-21 Funds	As mention in AAP		386.21	..	386.21	..	1306.24	1835.58	..
ii)	From 2019-20 U.B.	..		..	..	1449.37	..	..	..	..
Total Pending Liabilities				..	386.21	..	1835.58	..	1306.24	1835.58
Grand Total (Inclusive of liabilities)				..	6306.67	..	4574.64	..	1424.74	2821.41
Central Share				..	3809.99	..	2743.11	..	853.72	1683.17
State Share				..	2496.68	..	1831.53	..	571.02	1138.24

**(A) Agriculture University Programme Mahatma Phule Krishi Vidyapeeth,
Rahuri, Tal. Rahuri, Dist. Ahmednagar- 413 722**

**Varieties Released and Farm Machinery and Recommendations passed in
46th Joint Agrosco- 2018**

I. Released Varieties :-6

1. Chickpea variety : Phule Vikrant (Phule G-0405)

High yielding and resistant to *Fusarium* wilt Chickpea variety “Phule Vikrant (Phule G-0405)” has been released for West Central Zone of India (Maharashtra, Gujarat, West MP and South Rajasthan) by Central Variety Release Committee (Meeting was held at Gwalior on 10 Nov. 2017).

Salient Features

- Average Yield - 20.00 qt./ha.
- Potential Yield - 41.00 qt./ha
- Resistant to - *Fusarium* wilt
- Duration - 110 Days

2. Cotton hybrid : Phule Chetana (RHB-1014) :

The extra long staple inter specific cotton hybrid “Phule Chetana (RHB-1014)” is recommended and released for cultivation in Egyptian cotton growing area of Maharashtra under irrigated condition.

Salient Features

- The hybrid Phule Chetana (RHB-1014) recorded highest seed cotton yield of 17.00 qt./ha.
- 44% per cent more higher yield than DCH-32 and Phule-388.
- Excellent fibre properties with extra long staple length.

3. Sugarcane variety : VSI-12121

The Mid-Late “sugarcane variety VSI- 12121” is recommended and released for cultivation for commercial cultivation in *Adsali*, *Pre-season* and *Suru* seasons of Maharashtra State.

Salient Features

- Higher Yield -141.00 t/ha. than sugarcane variety Co 86032 (119.00 t/ha. by 18.85%).
- It has recorded higher sucrose (20.16) than Co 86032 (19.34) variety at 14th months of crop age.
- Sugar Yield-16.45 t/ha.
- Good ratoonability.
- Moderately resistant to smut, red-rot and rust disease and less susceptible to internode borer.
- Recommended for commercial cultivation in *Adsali Pre-season* and *Suru* seasons for Maharashtra State.

4. Banana : Phule Pride (BRS 2013-3)

“Phule Pride (BRS 2013-3)”, a natural dwarf variety of banana having early maturity, resistant to lodging, pseudostem break, bunch break and tolerant to leaf spot (*Sigatoka*) disease is recommended and released for cultivation in Western Maharashtra.

Salient Features

- Plant height-Very dwarf (1.53m)
- Yield- 98.00 t/ha (22.04 kg./Plant)
- Days to harvesting- 320 days
- Bunch-Cylindrical, compact and uniform
- Disease reaction- Tolerant to *Sigatoka* leaf spot.

5. Papaya : Phule Vijaya (GKPS-2-7)

The papaya variety “Phule Vijaya (GKPS-2-7)” having field resistance against papaya ring spot virus disease with firm, attractive, yellow pulp and higher yield. is recommended and released for cultivation in Maharashtra.

Salient Features

- Resistance to ring spot virus disease
- Yield-58.00 t/ha. (46.00 kg./plant)
- Number of fruits - 34 / plant
- Pulp-Yellow color

6. Cherry Tomato - Phule Jayashree (RHRCT-12-6)

The Cherry tomato “Phule Jayashree (RHRCT-12-6)” with attractive orange red colour, round and juicy fruits is recommended and released for cultivation in Western Maharashtra.

Salient Features

- Average yield 53.00 t/ha.
- Lycopene - 2.5mg./100gm
- Ascorbic acid - 118mg./100gm.
- Orange red color fruits.
- Moderately resistant to leaf curl and spotted wilt viral diseases.

II. Farm Machinery :-

Hand Cum Pedal Operated Raw Mango Cutting Machine

Hand cum pedal operated Phule raw mango cutting machine is recommended for small scale pickle industries on the basis of efficiency and economics.

Salient Features

- Output capacity : 40-60Kg.h⁻¹
- No black colour of cut portion of raw mango
- Easy to use
- Labor saving of 54 % over traditional method
- Output capacity double over traditional method

III. Recommendations :-

1. late sowing of *Kharif pearl* millet crop variety *Dhanshakti* during 20th August to 2nd September (*Magha Nakshatra*, MW 34-35) in medium deep soils of Scarcity Zone of Maharashtra under late monsoon situation is recommended for sustainable production.

2. Sowing of *Kharif* sunflower as a contingent crop (Variety - Phule Bhaskar) in 2nd fortnight of July (*i.e.* 16th to 29th July, *Pushya Nakshtra*, MW 30-31) in medium deep soils of Scarcity Zone of Maharashtra is recommended under late monsoon situation.

3. Application of 20 t ha⁻¹ FYM alongwith nitrogen, phosphorus and potassium as per yield target equations for 35 t ha⁻¹ yield of brinjal, balance nutrition and maintaining the soil fertility is recommended for medium deep black soils of western Maharashtra.

Fertilizer Prescription Equations

With FYM		Without FYM	
FN	= 7.23 x T-0.52 x SN - 1.56 x FYM	FN	= 6.68 x T-0.56 x SN
FP ₂ O ₅	= 3.21 x T-3.10 x SP - 0.50 x FYM	FP ₂ O ₅	= 3.40 x T-3.28 x SP
FK ₂ O	= 4.74 x T-0.26 x SK - 0.74 x FYM	FK ₂ O	= 6.00x T-0.33 x SK

Where, FN, FP_2O_5 and FK_2O are fertilizer N, P_2O_5 and K_2O in $kg. ha^{-1}$ respectively, T is yield target $t ha^{-1}$ for wheat and SN, SP, and SK are soil available N, P and K $kg. ha^{-1}$ respectively. FYM is Farm Yard manure in $t ha^{-1}$.

4. Application of $5 t ha^{-1}$ FYM with nitrogen, phosphorus and potassium as per yield target equation for $30 q ha^{-1}$ yield of chickpea, balance nutrition and maintaining the soil fertility is recommended for medium deep black soils of Western Maharashtra.

With FYM			Without FYM		
FN	=	$2.51 \times T - 0.15 \times SN - 3.11 \times FYM$	FN	=	$2.75 \times T - 0.17 \times SN$
FP_2O_5	=	$2.71 \times T - 1.63 \times SP - 2.03 \times FYM$	FP_2O_5	=	$3.27 \times T - 1.97 \times SP$
FK_2O	=	$2.69 \times T - 0.09 \times SK - 3.09 \times FYM$	FK_2O	=	$3.05 \times T - 0.11 \times SK$

Where, FN, FP_2O_5 and FK_2O is fertilizer N, P_2O_5 and K_2O in $kg. ha^{-1}$, T is yield target in $q ha^{-1}$ and SN, SP and SK are soil available N, P and K in $kg. ha^{-1}$ and FYM is Farm Yard manure in $t ha^{-1}$.

5. Application of 50 percent recommended dose of NPK fertilizers to preseasonal sugarcane (170:85:85 N: P_2O_5 : K_2O $kg. ha^{-1}$) and its 3 successive ratoons (125:58:58 N: P_2O_5 : K_2O $kg. ha^{-1}$) through fertigation in 44 splits at weekly interval alongwith FYM $25 t ha^{-1}$ and set treatment of acetobaeter and PSB to plant cane and trash management practice alongwith application of composite culture of biofertilizers (Acetobaeter, azotobactor, azospirillum and PSB each @ $1.25 kg. ha^{-1}$) to ratoon is recommended for higher cane and CCS yield and to maintain soil fertility.

Fertigation schedule for preseasonal sugarcane and its ratoon :

Weeks after planting	Nutrients applied ($kg. ha^{-1}$)						No. of splits
	Plant Cane			Ratoon			
	N	P_2O_5	K_2O	N	P_2O_5	K_2O	
2 to 5 weeks	7	3	2	5	2	2	4
6 to 11 weeks	31	15	5	23	11	3	6
12 to 15 weeks	34	17	3	25	12	2	4
16 to 21 weeks	41	20	10	30	14	7	6
22 to 27 weeks	31	15	10	22	10	7	6
28 to 31 weeks	14	7	10	10	5	7	4
32 to 37 weeks	14	7	20	10	4	14	6
38 to 41 weeks	..	..	14	..	..	9	4
42 to 45 weeks	..	..	10	..	..	7	4
Total	170	85	85	125	58	58	44

6. Application of two foliar sprays of Phule Micro Grad-II 'B' (Fe 3%, Zn 5%, Mn 0.5%, B 0.5%, Cu 0.5%) @ 0.3% at 35 and 55 days after transplanting of onion alongwith general recommended dose of fertilizer (100:50:50 $kg. ha^{-1}$ N: P_2O_5 : K_2O + $20 t ha^{-1}$ FYM) is recommended for increase in bulb yield, nutrient uptake, agronomic efficiency and higher monetary returns on shallow soils of Western Maharashtra.

7. Foliar sprays of Phule Micro Grade-II 'B' (Fe 3%, Zn 5%, Mn 0.5%, B 0.5%, Cu 0.5%) @ 0.3% at 55 to 65 days after planting of onion bulb alongwith general recommended dose of fertilizer (100:50:50 kg ha⁻¹ N:P₂O₅:K₂O + 20 t ha⁻¹ FYM) is recommended for higher seed yield, micronutrient uptake and monetary returns in medium deep soils of Western Maharashtra.

8. The application of Zinc Sulphate @25 kg. ha⁻¹ (incubated with 500 kg. FYM for one week and applied before sowing) alongwith recommended nutrients dose based on soil test values + FYM @ 10 t ha⁻¹ is recommended for higher grain yield and economic returns of maize on zinc deficient shallow soils of Sub-Montane Zone of Maharashtra.

9. One harrowing + sowing with seed drill and light harrowing + one hoeing at 3rd week and 25 kg. N through inorganic fertilizer (Urea) and 25 kg. N through organic manure through crop residue and *Leucaena* loppings or any green loppings (50% nitrogen through crop residue (byre waste) + 50% *Leucaena* lopping or any green loppings) + 12.5 kg. P₂O₅ through fertilizer (SSP) is recommended for *rabi* sorghum grown on medium deep black soils in Scarcity Zone of Maharashtra for getting higher grain and stover yield and monetary returns with minimum energy use and maintaining soil fertility.

10. Intercropping of Dill or Coriander or Fenugreek or Spinach in Bt. Cotton in 1:3 row proportions is recommended for higher yield and net returns in Northern part of Scarcity Zone (Rainfall zone 3 and 4) of Maharashtra.

11. Irrigation at 60 % crop evapotranspiration at every alternate day interval throughout the growth period is recommended for efficient water use in *Suru* sugarcane cultivated under subsurface drip irrigation system in medium deep black soils of Western Maharashtra.

12. Drip fertigation at 75% recommended dose (225:112.5:112.5, N: P₂O₅: K₂O kg/ha) of water soluble fertilizers in 18 weekly splits as per following schedule is recommended for higher yield, efficient water and nutrient use of hybrid tomato cultivated in medium deep soils of Western Maharashtra.

Fertilizer Schedule

Per cent nutrients applied in 18 equal weekly splits to hybrid tomato

Day after	Nitrogen (N)		Phosphorus (P)		Potassium (K)	
	%	Kg.	%	Kg.	%	Kg.
1-28 days (4 weeks)	15	34	20	23	15	17
29-56 days (4 weeks)	40	90	35	39	30	34
57-84 days (4 weeks)	30	68	35	39	35	39
85-126 days (6 weeks)	15	34	10	11	20	23
Total	100	225	100	113	100	113

13. Drip fertigation at 100% recommended dose (100:50:50, N: P₂O₅: K₂O kg./ha) of water soluble fertilizers in 13 weekly splits as per following schedule is recommended for higher yield, efficient water and nutrient use of *rabi* onion cultivated in medium deep soils of western Maharashtra.

Fertilizer SchedulePer cent nutrients applied in 13 weekly splits to *rabi* onion

Day after	Nitrogen (N)		Phosphorus (P)		Potassium (K)	
	%	Kg.	%	Kg.	%	Kg.
1-21 days (3 weeks)	20	20	30	15	10	05
22-42 days (3 weeks)	40	40	40	20	20	10
43-70 days (4 weeks)	30	30	25	12.5	40	20
71-91 days (3 weeks)	10	10	05	02.5	30	15
Total	100	100	100	50	100	50

Planting of summer chilli-watermelon crop sequence in medium deep soils of Western Maharashtra, for obtaining higher yield, net income and water use efficiency by using 40 micron silver black polythene mulch on raised bed (90 cm) at spacing of 60 X 45 cm. and be irrigated under drip irrigation at 70% ETC with 125% RDF through fertigation for both the crops as per the schedule given below.

Fertigation schedule for Chilli

Sr. No.	Crop stage	Days	No. of splits	Fertilizers in kg. ha ⁻¹		
				N	P	K
1.	Grand growth and branching	60	6	20	10	10
2.	Flowering	30	4	40	20	20
3.	Fruiting	60	6	40	20	20
Total		150	18	100	50	50

Fertigation schedule for watermelon

Sr. No.	Crop stage	Days	No. of splits	Fertilizers in kg. ha ⁻¹		
				N	P	K
1.	Grand growth	15	2	25	12.5	12.5
2.	Flowering	30	4	50	25	25
3.	Fruiting	15	2	25	12.5	12.5
Total		60	8	100	50	50

15. Planting of Napier hybrid with two eye bud rooted cuttings vertically or rooted slips at 90 x 60 cm. distance on medium deep soils of western Maharashtra is recommended for obtaining round the year higher green forage yield with net returns.

16. Plantation of preseasonal sugarcane (Phule 0265) at row spacing of 150 cm. and intra row spacing of 60 cm. using 30 to 35 days old Poly Tray settling is recommended for higher cane and CCS yield in medium deep black soils of Western Maharashtra.

17. The pre emergence application of 1500 ml. Pretilachlor 30.7% EC per hectare within 2 to 3 days after sowing and post emergence application of 70g. azimsulfuron 50% DF @ 0.035 kg. per hectare at 25 days after sowing in 500 liters of water is recommended for effective control of weeds and higher economical returns in drilled paddy cultivation of Sub-Montane Zone of Maharashtra.

18. The post emergence application of 200 ml. Bispyribac Sodium 10% SC per hectare in 500 liters of water at 15-20 days after transplanting with one hand weeding at 45 days after transplanting is recommended for effective control of weeds and higher economical returns in transplanted paddy of Sub-Montane Zone of Maharashtra.

19. Pigeon pea genotypes can be rapidly and reliably differentiated for *Fusarium* wilt resistance by analyzing the levels of OD phenols, activity profile of B-1-3-glucanase and amplification of genomic DNA with RAPD OPD OPD-08, SCAR-1 and ASSR-1 primers.

20. Set treatment of oilgochitosan @50ppm for 30 min at the time of planting followed by three foliar sprays 30.60 and 90 days after planting is recommended for sugarcane yield improvement in Suru season.

21. The process for preparation of 100 per cent Foxtail Millet flour cookies rich in calcium which can be stored up to 90 days at ambient, conditions without affecting their quality is recommended.

22. The following process is recommended for preparation of good quality jelly from Dragon fruit :

1. Extraction of juice by addition of water (fruit pulp: water, 1:1), boiling for 20-30 min and filtration through muslin cloth.

2. Addition of 550g sugar, 11g. pectin, 2g. Citric Acid and 300 ppm Potassium Metabisulphite (KMS) kg. of pulp extract and boiling upto 67°B.

3. Filling hot jelly in clean PET bottles, cooling and sealing. The jelly could be stored up to 90 days at ambient temperature without affecting quality.

23. To prepare good quality bottle gourd juice, following procedure is recommended.

- i. Harvesting of tender bottle gourd fruits.

- ii. Blanching of bottle gourd fruit pieces for 2 minutes.

- iii. Extract bottle gourd juice with the help of screw type juice extractor and strain it by using muslin cloth.

- iv. Add 600 ppm Sodium Benzoate in juice and pasteurize at 85°C for 5 min. The pasteurized juice is filled in pre-sterilized glass bottles and pasteurize the glass bottles for 15 min.

24. Seed treatment of *sunflower* with liquid Azotobacter and PSB biofertilizers @ 25 ml. each per kg. seed before sowing in rabi season and application of 40 kg. N and 20 kg. P₂O₅ per hectare is recommended for obtaining higher yield and saving of 25% of recommended N and P₂O₅ dose of chemical fertilizers under dryland conditions in the scarcity zone of Maharashtra.

25. A module for integrated management of sheath blight and stem rot of paddy is recommended as below.

* Seed treatment with carbendazim 50% WP @ 3 g followed by *Trichoderma harzianum* + *Pseudomonas fluorescens* mixture @ 5 g. each kg. ⁻¹ seed.

* Soil application of *Trichoderma harzianum* + *Pseudomonas fluorescens* mixture @ 25 g. each + Rice *palinj* (i.e. empty glumes) ash @ 100 kg. / R in nursery.

* Recommended dose of fertilizers i.e. RDF (NPK: 100:50:50 kg./ha) with or without use of briquettes.

* Three sprays of *Pseudomonas fluorescens* (0.2%) at 25, 35 and 45 days after transplanting.

* Need based 1 to 2 sprays of propiconazole 25% EC @ 10 ml./10 L. water at 15 days interval if incidence of sheath blight and/or stem rot disease is noticed.

26. Sowing of wheat crop during 16th November to 1st December is recommended to minimize the incidence of aphids, jassids and shoot fly and reduce the grain yield losses caused by them.

27. Spraying of profenophos 50 EC @ 20 ml. at 60 days after sowing followed by emamectin benzoate 5SG @ 4.4 g. at 80 days after sowing and lambda cyhalothrin 5 EC @ 10 ml. at 100 days after sowing is recommended for control of cotton pink bollworm.

28. It is recommended to undertake need based 2 to 3 sprays of combi-fungicides of Carbendazim 12% + Mancozeb 63% or Iprodione 25% + Carbendazim 25% @ 2 g./litre water at 15 days interval starting from first disease appearance in the scarcity zone of Maharashtra for effective and economical management of *Alternaria* leaf spot of safflower.

29. The location specific constants of rainfall Intensity-Duration-Frequency relationship developed for Rahuri station can be updated after 10 years and for Solapur station after 5 years.

30. The location constants K, a, b and d in rainfall intensity-frequency-duration relationship have been recommended as 3.58, 0.1878, 0.6 and 0.8408 respectively for Jalgaon region.

$$I = \frac{KT^a}{(t+b)^d}$$

Where, I = rainfall intensity, cm./hr; T = return period, yr; t = duration, h; K, a, b and d = Location specific constants.

31. The skirting of banana bunches with polypropylene bags (1.00 x 0.80 m.) is recommended for better quality fruits, maximum net income and B:C ratio.

32. Cultivation of broccoli in *rabi* season under 50 % red shadenet house with irrigation at 90% crop evapotranspiration and fertigation at 80% RD (150:100:175 kg./ha N : P₂O₅ : K₂O) through drip irrigation is recommended for obtaining higher yield and quality. However, 50% white shadenet house with irrigation at 90% crop evapotranspiration and fertigation at 80% RD (150:100:175 kg./ha N : P₂O₅ : K₂O) through drip irrigation is recommended for higher net income and benefit : cost ratio.

33. Summer Muskmelon planting under red shade net house (50% shading) by using silver-black plastic mulch (40 micron thickness) and daily drip irrigation @ 120% of crop evapotranspiration is recommended for higher yield, productivity and water use efficiency in Maharashtra.

34. Mobile and web based application “Weather Data Input and Retrieval System (WDIRS)” developed by Mahatma Phule Krishi Vidyapeeth is recommended for weather data input and collection at central point and to use the weather data for estimation of reference evapotranspiration and other scientific purposes.

35. The tables developed by Mahatma Phule Krishi Vidyapeeth for tahsils of Western Maharashtra are recommended for estimating weekly water and irrigation requirement of Sunflower, Sweet corn, Cotton and Tomato crops by different irrigation methods. Further, the maps developed in Geographical Information System (GIS) are recommended for estimating weekly water and irrigation requirement at any specific locations by different irrigation methods.

36. The pomegranate growers in Maharashtra earned gross returns of 21,427 Crores and net economic returns of 6,428 Crores from recommended Bhagwa & released Phule Bhagwa Super varieties released by MPKV, Rahuri during the period of 12 years (2004-05 to 2015-16). Further it revealed that an investment of one rupee in pomegranate research and extension generated income of 21 with 40 per cent Internal Rate of Return (IRR). Therefore, it is recommended that the substantial funds be provided for pomegranate research and extension activities.

37. The percentage increase in medium over low and high over medium adoption group, respectively in employment, production, income levels and reduction in per quintal cost was the result of adoption of recommended package of practices of MPKV, Rahuri for major cereals is as below.

Sr. No.	Crop	Technology Adoption Group	Figures in per cent			
			Increase in		Reduction in	
			Employment	Production	Income	Cost of cultivation
1.	Paddy	i. Medium over Low	16	15	12	4
		ii. High over Medium	26	26	29	7
2.	Wheat	i. Medium over Low	19	24	27	4
		ii. High over Medium	27	38	29	19
3.	Rabi Jowar	i. Medium over Low	10	13	9	2
		ii. High over Medium	24	56	47	9
4.	Bajra	i. Medium over Low	27	28	16	11
		ii. High over Medium	31	34	19	19

For the cost reduction and output maximization, it is recommended that the farmers shall adopt the recommended package of practices.

38. The increase in Minimum Support Prices (MSP) of pigeon pea, chick pea, black gram and green gram was less than increase in inputs prices during 1996-97 to 2014-15 by 19, 25, 35 and 20 per cent, respectively. Therefore, it is recommended that there is need to maintain the parity between Minimum Support Prices and input prices of pulses.

39. University paddy recommended technology is cent per cent adopted in College Development Block through Method demonstration, Result demonstrations and Group discussion. These extension methods should be replicated in other paddy growing areas for increasing adoption of recommended technology.

40. Principle component analysis reveals that, 99 per cent farmer of the total respondents under study were categorized in low and medium adopters groups, while technology decomposition analysis reveals that, among the University recommended technologies, nutrient management (40.90%), seed treatment (15.33 %), growth stage-wise irrigation management (13.55%), preparatory tillage (8.78%), time of sowing (8.71%) and improved variety (7.21 %) were the major contributing technologies in the wheat productivity. Hence, it is recommended that the farmers should adopt these technologies to the maximum extent to achieve the potential wheat yield.

41. Based on infestation of jassids and physio-chemical characters of cotton, the genotype GISV 272 is recommended as resistant source against jassid.

(B) DIRECTOR OF RESEARCH
DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA
Research Recommendations released during 2017-2018
(Approved by Joint Agresco-2018)

1. Crop Improvement :

Sr. No.	Name of Crop	Variety	Important features
I) Field Crops :			
1.	Paddy	SYE-503-78-34-2 (Tilak)	<ul style="list-style-type: none"> * Duration : 50% flowering 110-112 days with 140-145 Days to seed Maturity (Late Duration). * Fine grain type (Short Slender) having-Test weight-12.02-13.0 g. * Good cooking quality and intermediate Amylose content (22.26%), high milling (70.40%) and head Recovery (58.5%). * Moderately resistant to Stem borer and Plant Hopper. * Moderate reaction to neck blast.
2.	Soybean	AMS-1001 (PDKV Yellow Gold)	<ul style="list-style-type: none"> * In MVT AMS 1001 has shown 24.17% and 20.58% increase seed yield over state check MAUS-71 and JS-335 respectively. * In SMVT it has shown 36.01%, 30.58% and 33.82% increase seed yield over JS-335, JS-97-52 and MAUS-71 respectively. * In AICRP trial AMS-1001 has shown an increase in seed yield by 46.71% over JS 95-60, 38.29 % over JS 93-05 and 12.91% over JS-335. * Resistant to root rot/Charcoal rot and Yellow mosaic virus in natural field condition. * Moderate resistant to Girdle beetle and Stem fly. * Medium maturity duration (97 days). * Pod shattering resistance up to 10 days from harvest maturity. * Excellent Fatty acid profile. * Trypsin inhibitor content is comparatively less (35.79%).
II) Flower Crops :			
2.	Gladiolus	AKGL-04-16 (PDKV GOLD)	<ol style="list-style-type: none"> 1) Long straight spikes (103.5 cm.). 2) More number of florets (16.51). 3) Attractive pinkish yellow petals with red splash. 4) Ability to produce more corms and cormels. 5) More Vase life (10.25 days). 6) Resistant to <i>fusarium</i> wilt.

New Farm Implement/Machinery

Sr. No.	Name of farm implement/machinery	Important features
1.	PDKV small tractor operated seed ferti drill cum interrow cultivator.	PDKV small tractor (18.5-25 hp) operated seed ferti drill cum interrow cultivator is recommended for sowing and intercultural operation.
2.	PDKV small tractor operated crop residue disintegrator.	PDKV small tractor (18.5 -25 hp) operated crop residue disintegrator is recommended for <i>in-situ</i> crop residues management.
3.	PDKV developed power cutter.	Dr. PDKV developed power cutter is recommended to use for cutting sugar cane sets and forage.
4.	PDKV Rotary Onion Grader.	It is recommended to use PDKV Rotary Onion Grader (Capacity- 20 TPD) for size grading of onions.
5.	PDKV Jamun pulp extraction machine.	PDKV Jamun pulp extraction machine is recommended for the extraction of jamun pulp.

Production Technology

- 1) For getting higher seed yield and economic returns in soybean, foliar application of 2% 19:19:19 (NPK water soluble fertilizer) at pod initiation stage is recommended. (Dandge)
- 2) It is recommended that, Sowing of Kharif sorghum on four row 1.5m. BBF at 45 cm. by tractor is recommended for getting maximum yield, net returns and improved moisture conservation. (Nemade)
- 3) For obtaining higher grain yield and net monetary returns from drill rice in Eastern Vidarbha Zone of Maharashtra, sowing of drill rice at row spacing of 20 cm. and plant to plant distance at 10-15 cm. is recommended. (Dongarwar)
- 4) Under rainfed condition, to reduce the subsoil compaction due to use of rotavator, and to improve the moisture retention and other soil physical properties; and also for obtaining higher crop yield, it is recommended to use deep ploughing once in three years and use rotavator every years.

Weed Management

- 5) It is recommended that the post emergence application of Imazethapyr + Imazomox x 70 WG. 0.070 kg. a i /ha (100 g/ha) POE 20 DAS was the most remunerative and effective herbicide for controlling the weed flora and getting higher yield and economic returns in groundnut (JPD).

SSAC

- 6) The integrated application of 2.5 tones of Farm Yard Manure + 1.25 tones of Gypsum 15-20 DAS in Tied Broad Bed Furrow is recommended for improvement in soil properties , yield and monetary returns of soybean in deep black sodic soils of Purna valley of Vidrabha (Konde).
- 7) In deep black soils of Vidharbha, for obtaining higher grain, protein yield and monetary returns of Pigeon pea as well as improving fertility status of soil, application of 30 kg. K₂O + 20 kg. S ha⁻¹ in sulphur deficit soil alongwith recommended dose of 25 kg. N and 50 kg. P₂O₅ ha⁻¹ is recommended. ss. (Godpage).

Horticulture

- 8) It is recommended to apply 187.5:112.5:150 kg. NPK/ha for obtaining higher and better quality yield of capsicum under 50 per cent green shade net house conditions. Out of 112.5 kg phosphorus, 84.50 kg. should be applied through single super phosphate by soil application whereas, 187.5:28:150 kg. NPK/ha should be applied through urea, phosphoric acid and muriate of potash in twenty equal split doses once in a week through fertigation.

9) Banana variety Grand Naine (G-9) is recommended under Vidarbha region for successful cultivation, best quality and maximum yield returns. (Ramteke)

10) It is recommended for successful propagation of pomegranate through air layering the media combination of sphagnum moss and vermicompost 1:1 WV is effective for better success, survival and higher monetary return. (Raut)

11) For higher success of grafting in custard apple, ten months old rootstock during January to March is recommended. (Jadhao)

12) For getting maximum flower yield and economic returns from Jasmine (Jasminum Sambac), it is recommended to prune the plants during fourth week of December with medium pruning level (30 cm. above ground level) in Vidarbha region. (Chopde)

Plant Protection Entomology

13) For effective management of pulse beetle it is recommended to keep 80 tablets (weighing 0.5 g. each) per quintal in stored mungbean. (PKRATHOD)

Agril. Engg.

14) The PDKV process for preparation of smooth textured jam from beetroot that includes preparation of pulp by pressure cooking and grinding, adding it with sugar, lemon juice and preservative and heating for 30 to 40 minutes is recommended. (Pardeshi)

(C) Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani.

46th Joint Agresco Recommendations Based on Research Work 2017-2018

A) Variety :

1. Parbhani Shakti (PVK1009)

Kharif sorghum variety Parbhani Shakti (PVK 1009) having high grain yield, Zinc and Ferrous rich, moderately tolerant to grain mold, shoot fly and stem borer is recommended for release in *Kharif* sorghum growing areas of Maharashtra.

2. Cotton : (PA 740)

Desi cotton variety PA 740 having superior fibre properties with tolerance to sucking pests, bacterial blight, alternaria and grey mildew is recommended for release in Marathwada region.

3. Tamarind : Shiwai

Regular bearer and less susceptible to disease, the cultivar shiwai is recommended for planting in rainfed areas of Maharashtra State.

B) Implement :

1. Single bullock operated planter

VNMKV developed Single Bullock operated Planter is recommended for sowing.

Salient features:

- * Inclined plate multi crop planter is single bullock operated.
- * Actual field capacity 0.189 ha/hr.
- * Suitable for small and marginal farmer.
- * Suitable for Relay cropping.

2. Bullock operated 3 tyne hoe with furrow opener

VNMKV developed Three tyne hoe with furrow opener is recommended for intercultivation in BBF sowing.

Salient features :

- * Useful for opening furrows and hoeing in BBF sown field.
- * Actual field capacity 0.20 ha/hr.
- * Weeding efficiency - 84%.
- * Saving in labour cost 60-70%.

3. Tractor operated BBF planter with sprayer

VNMKV developed tractor operated five row (BBF) raised bed planter cum sprayer is recommended for sowing and spraying.

Salient features :

- * Used for Broad Bed sowing & simultaneously weedicide spraying.
- * 5 Rows of seed with fertilizer can be sown with 45 HP tractor.
- * Can be used for insecticide spraying in BBF sown field.
- * Effective field capacity for Soyabean is 0.49 ha/hr.

4. Bullock drawn solar operated high clearance sprayer Salient features:

VNMKV developed Bullock drawn solar operated sprayer is recommended for spraying of weedicide/pesticide.

- * Operated on solar energy, hence no pollution sprayer.
- * Height of boom can be adjusted as per requirement of crop height.
- * Total discharge 7.0 to 9.0 Lit./mm. through 12 nozzles.
- * Saving in man-hr requirement time & money for spraying operation.
- * Fully protected spraying.
- * Draft requirement 34 Kg. with Actual field capacity of 1.13 ha/hr.

Agronomy :

1. For maximizing the pearl millet yield under late sown situations, sowing of pearl millet on 25th July \pm 5 days application FYM @ 5.0 t/ha + RDF (60:30:30 NPK Kg./ha.) + NPK foliar spray (19:19:19 Grade) @ 0.5% (50g/10 lit. of water) at 20-25 days after sowing is recommended for Marathwada region.

2. The scheduling of irrigation at 75 mm. CPE (February 15 days, March 10 days, April 7 days interval) through flood irrigation method at 60 mm. depth is recommended for getting maximum yield and monetary return for summer pearl millet in Marathwada region.

3. Foliar application of FeSO_4 @ 0.75% (75g./10 lit. of water) at 25-30 days after sowing is recommended for higher yield and monetary return in *Kharif* pearl millet for Marathwada region.

4. For lowest para wilt seedling population, highest seed cotton yield and economical benefits, sowing of pre-seasonal Bt Cotton crop after 20 May under Flood irrigation and after 30 May under Drip irrigation or with reduction of temperature below 39^o C is recommended for Marathwada region.

5. For highest seed cotton yield and higher economic returns of *hirsutum* cotton under high density planting System, de-topping at 75 days after sowing or 90 days after sowing or spraying of Mepiquate Chloride 5% AS @ 250 ppm (25 ml/10 lit. water) at 75 days after sowing is recommended.

6. For highest cotton equivalent yield, gross monetary returns, net monetary returns and weed control efficiency in cotton + soyabean (1:1) intercropping system, Pre-emergence application of Oxyflourfen 23.5% EC @ 0.1 kg./ha. a.i. followed by hoeing at 6 weeks after sowing is recommended.

Crop Protection :

7. For management of pod borer complex of pigeonpea the first spray of chlorantraniliprole 18.5 SC 3 ml./10 lit. of water at 50% flowering stage and second spray of flubendiamide 39.35 SC 2 ml./10 lit. of water at pod development stage are recommended.

8. For management of pigeonpea pod fly, it is recommended to fix 1 maggot/20 pods or 5% pod damage or 2% seed damage from randomly selected pods as Economic Threshold Level.

9. For Management of downy mildew of pearl millet seed treatment of bio-agent *Pseudomonas fluoresces* (MYS-14) @ 8g./kg. seed is recommended.

Agril. Engineering :

10. For open space flooring of loose housing cattle barn, a section with 40 cm. depth filled with compacted Murum 20 cm. followed by 10 cm. plain cement concrete and single vertical layer of red brick construction in cement mortar 1:6 is Recommended.

11. VNMKV developed process for the production of better quality foam mat dried Kesar mango leather by using foam mat drying technique, whipping mango pulp for 2 min by incorporation of 3% GMS and drying in hot air oven at 60°C with 6 mm. thickness is recommended.

Food Technology :

12. 0.5% Paneer doda fruit concentrated extract & 0.3% sucralose is recommended for preparation of carbonated paneer doda drink.

13. For preparation of nutritional and nutraceutical capsules, the powder of leaves, flower, and pods of drumstick is recommended.

14. Incorporation of 0.2 percent guar gum is recommended for improvement of spreadability of Soyabean butter.

Community Science :

15. VNMKV verified low cost improved workstation design for household papad and vermicelli enterprise is recommended for improving efficiency and health of women.

16. VNMKV published book entitled Balavikasachi Uthkrusta Tantre-Palakansati Margadashika is recommended as it is based on Child Care, Development. Causes & Remedies of Development Disorders for educating parents of all sections and school teachers as it would serve as the best guide to them for guiding and taking needed action for well being of children.

17. It is recommended to use 10% mango kernel starch on cotton and silk fabrics as thickening agent for the purpose of screen printing.

18. It is recommended that VNMKV, Parbhani developed WRG weaning food prepared using wheat 20% rice 20% green gram dhal 27%, soya dhal 13% (all roasted), carrot powder 10%, skim milk powder 8%, coriander leaves powder 1% and cumin seed powder 1% rich in energy, protein, iron and calcium by mixing with warm water or milk to feed infants of 7-9 months age group.

19. It is recommended to use VNMKV, Parbhani developed Multipurpose Functional Food mix as a breakfast food to control blood glucose and cholesterol levels.

Soil Science and Agricultural Chemistry :

20. It is recommended that cattle of Parbhani district of Marathwada region need to be supplemented with copper, manganese and zinc by formulating area specific mineral mixture using highly bio-available mineral salt to meet the nutrient deficiency of Zn, Cu and Mn which were found deficient in soil, fodder and serum of this region.

21. Seed treatment of liquid zinc solubilizer *Pseudomona striata* @ 100 ml/10 kg seed + application of ZnSO₄ Raizobium seed treatment 30 kg. ha⁻¹ is recommended to soyabean alongwith recommended dose of fertilizers (30:60:30 NPK kg ha⁻¹) for enhancement of soyabean seed yield, monetary return and improvement hi soil properties.

Water Management :

22. For higher grain yield and net monetary returns of post *Kharif* maize it is recommended to schedule alternate day drip irrigation at 80% cumulative pan evaporation through inline lateral laid at 120 cm apart for paired rows (45x30-75cm) and drip fertigation of 113:57:57 NPK kg/ha; N in 8 equal splits @ 12.5% at an interval of 10 days from 10 to 80 days after sowing while P and K in 2 equal splits at sowing and 30 days after sowing. The fertigation schedule alongwith the quantity of soluble fertilizer required is given below :

Time of application	Fertilizer dose (113:57:57 NPK kg/ha.)			Soluble fertilizers (kg/ha.)		
	N	P	K	Urea	0:52:34	0:0:50
At sowing	..	28.5	28.5	..	55	19.6
10 DAS	14.13	..	..	..	30.5	..
20 DAS	14.13	..	..	30.5	..	..
30 DAS	14.13	28.5	28.5	30.5	55	19.6
40 DAS	14.13	..	..	30.5	..	..
50 DAS	14.13	..	..	30.5	..	..
60 DAS	14.13	..	..	30.5	..	..
70 DAS	14.13	..	..	30.5	..	..
80 DAS	14.13	..	..	30.5	..	..

Dry Land :

23. Application of ceteryl alcohol @ 20 mg/sq. m. at an interval of 10 days is recommended for control of water loss due to evaporation from farm pond.

24. In medium to deep black cotton soils of Marathwada region to manage/minimize reddening of irrigated Bt cotton and to obtain higher seed cotton yield and net monetary returns per hectare it is recommended to apply RDF 125% through fertigation (100: 50 : 50 NPK kg/ha.) along with two sprays of micronutrients grade-II mixture @ 0.5% + potassium schoenite @ 1.0% at 55 and 70 DAS respectively or to apply 75:37.5:37.5 NPK kg/ha. through soil application and application of 75:37.5:37.5 NPK kg/ha. through fertigation.

Bio Technology :

25. It is recommended to use fluorescent labeled probe based 'VNMKV BBTV-ARRAY' Molecular detection kit for rapid, reliable, precise, cost effective and easy indexing of Banana Bunchy Top Virus in mother plant as well as tissue culture raised banana plantlets.

Extension Education :

26. Infestation of pest and diseases, indebtedness, drought, credit recovery pressure from private money lender and daughter marriageable age were the causes of farmers distress in Marathwada region. It is recommended to provide psychological counselling facilities at village level and to promote community marriages by government and non government agencies among the farming community.

27. Drought, sole cropping, indebtedness, marriageable age of childrens and illness were the main causes of farmers suicide in Marathwada region. It is recommended to promote integrated faming system and to increase the farmers participation in water conservation practices by various extension agencies among the marginal and small farmers of Marathwada region.

28. Knowledge and adoption about nutrient management and disease management was observed meagre among sericulture growers in Marathwada region. It is recommended that the various extension agencies should emphasis more on above technologies.

**(D) Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth
Dapoli 415 712, Dist. Ratnagiri**

RESEARCH RECOMMENDATIONS OF 2018

I) Natural Resource Management:

Soil fertility and plant nutrition-

1. It is recommended to apply higher dose of fertilizers 3000:1000:1000 g, N: P₂O₅: K₂O alongwith 50 kg. FYM to above 10 year/plant for getting higher yield and B:C ratio in Alphonso mango under lateritic soil of Konkan region.
2. It is recommended to apply Konkan Annapurna Briquettes 175 kg/ha. to Kharif rice for getting higher yield and economic returns due to balanced supply of nutrients throughout the crop growth period.
3. For getting higher yield of cashewnut, it is recommended to apply two sprays of 0.1% CuSO₄ + 0.05% lime, one each at flowering and fruit set alongwith recommended dose of fertilizers in lateritic soils of Konkan.

Rainfed and dryland field crops-

1. It is recommended to grow rice hybrid Sahyadri-3 in Kharif season by sowing the nursery during 23rd meteorological week (4th to 10th June) and transplanting 15 days old seedlings for obtaining higher yield and net returns under South Konkan conditions.
2. For obtaining higher yield from Sugarcane in South Konkan region, it is recommended to use the seedlings of single bud set grown in the media comprising of Coco-peat and vermi-compost in 1:1 proportion along with *Acetobacter* culture @ 5.00 g. per kg.
3. It is recommended to grow okra in Red ferrogenous Soil of Konkan region at a spacing of 120-45x15 cm in paired row under drip irrigation with plastic mulch and be irrigated daily by following the given schedule with RDF (100:50:50) through WSF in seven equal weekly splits through drip irrigation to achieve higher productivity and economic returns.

Crop period (weeks)	Water application (Lit/m. length)
1 to 5	52
6 to 9	50
10 to 13	75
14 to 17	47

Integrated Farming System-

1. Sahyadri -3, Sahyadri-4, Sahyadri-5, Karjat-3, Karjat-5, Karjat-8 and Ratnagiri-3 rice hybrids/varieties are recommended to grow under organic package for getting higher yield and economic returns during Kharif season.

Groundnut varieties Konkan Gaurav, TG 26 and JL 776 are recommended to grow under organic package for getting higher yield and economic returns during Rabi-hot weather season.

2. It is recommended that rice-groundnut, rice-sweetcorn and rice-dolichos bean systems be grown under organic package of practices to get higher yield and economic returns from rice based cropping systems.

3. In North Konkan Coastal Zone for higher productivity and profitability from Kharif Rice- Rabi Cowpea system, it is recommended that both crops be supplied with 75 % RDF, crop residue @ 2 t and PSB @ 3.5 kg. ha⁻¹ alongwith Glyricidia green leaf manuring @ 3 t and *Azospirillum* @ 3.5 kg. to rice and *Rhizobium* @ 3.5 kg. ha⁻¹ to cowpea, respectively.

Micronutrients-

1. It is recommended that the application of 20 kg. $MgSO_4$, 12.5 kg. $ZnSO_4$ 10 kg. Borax through soil and foliar spray of $FeSO_4$ @ 0.5% nutrients along with recommended dose of fertilizer (FYM @ 10t +100:50:100 kg. NPK ha⁻¹) to get higher tuber yield and more economic returns from cassava in Konkan region.

B) Horticulture :

1. For getting higher retention, yield and reducing spongy tissue percent, spraying of solution containing combination of derivatives of L-Ceystein (N-ATCA) (10%) and Folic acid (0.2%) at 50% flowering (1 ml per liter of water), pea stage (1.5 ml/liter), egg stage (2 ml/liter) and at 75 days after fruit set (2 ml/liter) is recommended.

2. For getting higher retention and yield in cashew, spraying of solution containing combination of derivatives of Thioproline (5.0%), Folic acid (0.1%) and Brassinolides (500 PPM) at nut set (1 ml per liter of water), 15 days after 1st spray (1.5 ml/liter) and 15 days after 2nd spray (2ml/liter) is recommended.

3. It is recommended to cultivate cinnamon, nutmeg, black pepper, banana and pineapple as an intercrops under Konkan agro-climatic condition, for getting the higher yield and returns from coconut based multistoried cropping system.

4. It is recommended to grow Banana + Pineapple + Elephant foot yam as mixcrop to get early returns in young Oil Palm garden (up to 5 years) under South Konkan region.

5. To get more success and good growth of nutmeg and kokum grafts and black pepper cuttings it is recommended to use closed propagation chamber for propagation.

C) Animal and Fisheries Sciences :

1. It is recommended that the supplementation of fresh *Azolla pinnata* @ 1.5 kg. with concentrate feed for improving growth rate of crossbred calves.

2. It is recommended to apply 2% of buffalo dung (dry) as organic manure in mixture of sand and soil in the ratio of 1:1 as a fertilizer media under 800 lux light intensity for better lengthwise growth and biomass of aquatic plant, *Vallisneria*.

3. It is recommended that the Sword-tail seed (*Xiphophorus hellerii*) should be stocked at the rate of 150 number/m² in a cage placed in rain-fed farm-ponds and fed at the rate of 8% of body weight having 32% protein for better growth.

4. It is recommended to use Shatavari powder at the rate of 3% in the *Fifoo* feed developed by Dr. BSKKV for better growth of Guppy (*Poecilia reticulata*) fishes.

5. It is recommended to incorporate the *Spirulina* powder at the rate of 3% as a feed supplement in the diet of (*Oreochromis niloticus*) for better growth.

6. It is recommended to mix 2 g./Kg. of dry banana powder as prebiotic with 0.5 g./Kg. of any probiotic in the feed for better growth and survival of *Catla* fry.

7. It is recommended to mix 2 g./Kg. of dry banana powder as prebiotic with 0.5 g./Kg. of any probiotic in the feed for better growth and survival of *Tilapia* fingerlings.

8. It is recommended to use 33% *Enteromorpha* supplemented feed @ 5% for better growth and survival of rabbit fish (*Siganus canaliculatus*) fry.

9. It is recommended to use brackish water of 0-5 psu salinity for seed production of *Tilapia* in coastal areas.

D) Basic Sciences, Biochemical & Biotechnology Plant, Animal and Fish Biotechnology :

1. Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth developed tissue culture technology recommended for micropropagation of Red banana.

Food Science and Technology-

2. It is recommended of prepare most acceptable quality ginger shrikhand having shelf life of two days at ambient atmospheric conditions and six days at refrigerated conditions, as per method developed by DBSKKV, by using mix youghurt culture of *Streptococcus thermophilus* & *Lactobacillus bulgaricus* @ 1% of original milk (w/w) and by addition of ginger juice as flavouring agent @ 5.0% (w/w) of Chakka.
3. Process developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth for preparation of edible film from 15% cassava starch is recommended.
4. Process developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth for preparation of edible film from 15% Jackfruit seed starch is recommended.
5. Process developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth for preparation of Soya milk fortified with cow milk (25:75), Paneer cubes is recommended.
6. Process developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth for preparation of dehydrated Soya milk fortified with cow milk (25:75), Paneer cubes of 50°C by microwave convection dryer is recommended.
7. It is recommended to prepare the lemonade cashew apple spicy nectar by using 20 percent cashew apply juice, 3 percent lime juice and 1 percent ginger juice with maintaing 15°B TSS as per the process developed by Dr. BSKKV Dapoli.
8. Suvarna variety released by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, is recommended for preparation of processed bottled mango pulp.
9. It is recommended to use batter developed by Dr. B. S. Konkan Krishi Vidyapeeth Dapoli for preparation of less fat containing and good quality Pangasius fish fingers “Pankaj” for consumption.
10. It is recommended to prepare most acceptable quality chhana podo, having shelf life of four days at ambient atmospheric conditions, as per method developed by DBSKKV, Dapoli from buffalo milk by addition of alphonso mango pulp @ 20% of chhana (W/W).
11. It is recommended to prepare most acceptable quality kalakand, having shelf life of six days at ambient atmospheric conditions and ten days at refrigerated conditions as per method developed by DBSKKV, by incorporation of Kesar mango pulp @ 7.50% (W/W) of initial quantity of milk.
12. It is recommended to prepare most acceptable quality mango milk pudding, having shelf life of ten days at refrigerated conditions, as per method developed by DBSKKV, by using gelatin as stabilizer @ 2.0% and alphonso mango pulp as flavouring agent @ 15% of original milk (w/w).
13. It is recommended to prepare most acceptable quality Pantua, having shelf life of 12 days at atmospheric conditions and 16 days at refrigerated conditions, as per method developed by DBSKKV, by incorporation of date (*Phoenix dactylifera* L.) paste @ 20% of pantua mix (w/w) and soaking for a period of 5 hrs. in sugar syrup.

E) Plant protection :

Plant pathology-

Phytosanitation along with soil application of *Trichoderma harzianum* @ 250 g/plant combined with three sprays of Bordeaux mixture (1%) first sprays at the onset of monsoon, followed by two sprays at monthly interval are recommended for economical management of *Phytophthora palmivora* fruit drop of sapota, in Konkan region of the Maharashtra State.

Agricultural Entomology :

1. The application of recommended dose of fertilizers + azadiractin + micronutrients (Boron, Manganese, Mylybdenum) through briquettes is recommended for the integrated management of coconut eriophyid mite. The briquettes should be applied @ 4.5 kg/palm/year in three splits in the months of June, October and February.

2. For management of mango hopper it is recommended to spray buprofezin 25SC @ 0.05% (2 ml/lit) at the time of third spray in the University recommended spray schedule.

3. For management of cashew apply and nut borer it is recommended to spray (0.05%) of Dichlorvos 76 EC 10 ml./10 lit. of water after the initiation of infestation.

4. For the management of rice stem borer and leaf folder, two applications of granular insecticides Cartap hydrochloride 4 G @ 18.75 kg. per ha. are recommended. The first application be given in the nursery 2-3 days before transplanting followed by second application at 30-35 days transplanting or as per the requirement.

F) Agricultural Engineering :

Agril Processing Engineering-(Farm Structure and EOS) —

1. The Process Technology for preparation of “KKV Crisp” using Twin Screw Extruder from maize, rice and horse gram in the proportion of 50:30:20 is recommended.

2. DBSKKV developed ‘Bamboo Kutir’ technology is recommended for Agro Tourism.

3. Dr. B. S. K. K. V. Developed combine unit of carbonization and liquefaction of biomass is recommended to produce biomass charcoal and crude bio-oil.

Soil and water conservation Engineering-

4. The DBSKKV Developed low cost real time soil moisture sensor based irrigation controller is recommended for irrigation of various crops.

5. It is recommended to irrigate the shallow and deep rooted crops in lateritic sandy clay loam soils of Konkan region by installing subsurface lateral at 15 to 30 depth according to crop root zone depth.

Farm Machinery and Power-

1. Indirect method of predicting oxygen consumption rate from the calibration charts is recommended to use (with ± 10 percent error). The following equations are recommended to predict oxygen consumption rate (VO_2) From heart rate for different age groups of male and female workers of Dapoli region.

Age group years	Equation	Correlation Coefficient (r value)	Regression Coefficient (R^2)
Male			
18-30	OCR=0.019HR-1.2788	0.91	0.83
30-40	OCR=0.0195HR-1.2814	0.90	0.81
40-50	OCR=0.0208HR-1.4861	0.95	0.90
Female			
18-30	OCR=0.0123HR-0.8443	0.93	0.86
30-40	OCR=0.0125HR-0.8724	0.93	0.86
40-50	OCR=0.0122HR-0.8386	0.90	0.81

OCR-Oxygen Consumption Rate.

HR- Heart Rate.

G) Social Sciences :**Agril. Economics-**

1. Mango growers apply plant protection chemical indiscriminately and incur extra expenditure of Rs. 5718/ha. It is recommended to educate mango growers to follow plant protection schedule of the University through extension agencies for cost minimization and reduce negative externalities of chemicals.

2. A) In Konkan region the post-harvest losses in mango estimated to Rs. 1100/- crores. Hence, It is recommended to set up mechanical post-harvest unit for mango at tehsil places.

B) In South Konkan region regulated market is existed for Ratnagiri and Sindhudurg district. However considering increase in the area under mango in these two districts it is recommended to establish market yard for mango under APMC in each tehsil.

C) It is recommended to train the farmers through extension agencies regarding changes in post-harvest handling and marketing management in mango.

3. After 7 years if rejuvenation of old and senile mango orchards in South Konkan region, per hectare incremental yield was 29.31 q. and incremental net returns were Rs. 53,189/-. Similarly, per hectare saving in expenditure on labour of spraying and harvesting of fruits was 32.10 percent. Therefore, it is recommended that mango growers in producing area be trained by extension agencies to adopt rejuvenation technology of mango orchards of DBSKKV, Dapoli for higher yield and gross income.

H) Variety and implements:

1. It is recommended to release nutmeg variety 'Konkan Sanyukta' monoecious, bold nutmeg genotype with high nut yield for Konkan region of Maharashtra.

2. It is recommended to release 'IISR Cassia' maximum bark yield, bark oil and low in coumarin variety of cassia for Konkan region of Maharashtra.

3. Women friendly ergo refined Dr. B.S.K.K.V. Cono weeder is recommended for weeding in paddy field.

4. BARCKKV-13 (Trombay Karjat Kolam) high yielding rice variety having dwarf stature with slender grain type with good grain quality, mid late duration is proposed to release for commercial cultivation in Konkan region of Maharashtra State.

तद्वर्षा ँ
TABLE I
Non-Plan

Sr. No.	Details	Rs. in Thousand																			
		Actuals Expenses 2018-19		Budget Estimates 2019-20		Revise Estimates 2020-21		Budget Estimates 2021-22													
		Non-Plan (2)	Plan (3)	Total (4)	Non-Plan (5)	Plan (6)	Total (7)	Non-Plan (8)	Plan (9)	Non-Plan (10)	Plan (11)										
(1)																					
A. Classification of Work																					
I. Subsidiary Grants to																					
Agriculture Universities																					
(A)	M.P.K.V. Rahuri	2955424	400094	3355518	4641202	440000	5081202	4699528	470000	5183962	1310700										
(B)	Dr. P.D.K.V. Akola	2054248	68000	2122248	2408990	89956	2498946	2971391	348000	4876825	1039521										
(C)	M.P.K.V. Parbhani	1532067	102062	1634129	2366129	155000	2521129	2534020	349500	2981840	521516										
(D)	Dr. B.S.K.K.V. Dapoli	1126868	156784	1283652	1694540	231500	1926040	1764116	85000	3047640	1211169										
(E)	Subsidiary Grants to	16795	..	16795	34748	..	34748	34777	..	35926	..										
	M.C.A.E.R., Pune	..	26604	25604	..	421700	421700	..	450000	..	512880										
	Rajashri Chhatrapati Shahu Maharaj	..	..	..	..	..	..	..	..	..	..
	Shikshan Shulk Shishyavarutti Yojana (EBC)	..	81458	81458	..	..	..	..	101000	..	151600						
	Dr. Panjabrao Deshmukh Vastigruh	..	..	..	..	..	..	..	..	..	..
	Nirvah Bhatta Yojana (AGR)	4455	..	4455	7643	..	7643	28512	..	278512	..										
(F)	Loan to Agriculture	..	..	..	..	..	..	..	..	..	..
	Univerties	..	..	..	..	..	..	..	..	..	..
	(A) Gross Amount	7689857	834002	8523859	11153252	1338156	12491408	12032344	1803500	16404705	4747386										
	Minus Recovery	..	..	..	..	..	..	..	..	..	..
	Total Net	..	..	..	..	..	..	..	..	..	..
	B-Financial Tools	..	..	..	..	..	..	..	..	..	..
	Order No. Major Head	7685402	834002	8519404	11145609	1338156	12485765	12003832	1803500	16126193	4747386										
	D-3 2415	4455	..	4455	7643	..	7643	28512	..	278512	..										
	D-3 6216	..	..	..	..	..	..	..	..	..	..
	Total Gross	7689857	834002	8523859	11153252	1338156	12491408	12032344	1803500	16404705	4747386										

Agricultural Statistics

Reliable Agricultural Statistical data is required for agricultural input availability, Agriculture Research and Extension, Trade of Agriculture produce, Agricultural planning etc. Such a information is used to decide import export policy and for planning self sufficiency etc. Field work of crop cutting experiment are primarily done by Agriculture assistant, revenue circle officers & Gramsevak while Supervision of crop cutting experiment is mainly done by officers from Agricultural Department, Revenue Department and Rural Developmet Department. The Compilation and analysis report of such a collected information is done by Statistics Department.

The agriculture in Maharashtra State is mainly depends on Southwest monsoon. The data of rainfall at various places is measured by Automatic Weather Station (AWS) established at Circle level. At present there is one AWS station at a Revenue circle & accordingly total 2105 stations are working in the state. Collected rainfall data during the period of June to October is submitted to Government on daily basis.

For quick availability of season wise, district wise sowing area of crops the statistics section collects weekly crop condition report from all divisional offices, on the basis of collected information weekly reports of weather, sowing and crop condition were finalised on each Friday and submitted to Government.

National crop insurance scheme is implemented from rabi 1999-2000 up to rabi 2015-16, at present it is no more in execution. Pradhan Mantri Fasal Bima Yojana is being implemented in all districts of the state since kharif 2016 for notified crops.

A) Scheme- Agricultural Production

There are number of schemes being implemented in the state which helps in accelerating and increasing the agricultural production. Based on the final estimates of year 2017-18 to 2019-20 and 2nd Advance Estimates of 2020-21 (Kharif+Rabi) crop wise target and achievement of production are as below :—

(Production in Lakh mt.tonnes)

Sr. No.	Name of Crop	2017-18 (Final)		2018-19 (Final)		2019-20 (Final)		2020-21 (2nd Adv. Est) (Kharif+Rabi)	
		Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
1	Rice (kharif)	45.63	26.68	38.4	31.44	34.10	27.02	34.88	31.37
2	Wheat	20.49	18.85	20.49	12.49	17.23	17.93	17.23	17.83
3	Kh. Jowar	14.4	5.47	5.75	4.30	4.10	2.73	6.00	2.96
4	Rb. Jowar	17.15	18.42	20.02	7.68	19.11	15.92	19.57	16.11
5	Bajra	14.5	6.69	9.43	3.32	6.58	5.12	6.83	8.29
6	Ragi	1.16	1.06	1.14	0.94	2.03	0.87	1.88	1.07
7	Maize (Kharif + Rabi + Summer)	33.6	31.25	38.74	17.66	40.09	19.60	38.47	39.07
8	Total Kharif Cereals	105.78	61.77	85.02	53.86	78.52	46.48	80.93	74.48
9	Total Cereals (Rabi)	40.92	46.36	48.34	24.01	44.43	41.84	43.55	42.43
10	Kharif Pulses	28.82	15.84	28.82	12.34	20.85	15.37	22.01	17.54
11	Rabi + Summer Pulses	19.49	21.01	21.4	14.49	21.41	23.12	21.41	25.76
	Total Pulses (Kharif + Rabi + Summer)	48.31	36.84	50.52	26.83	42.25	38.49	43.42	43.30
	Total Foodgrains (Kharif + Rabi + Summer)	196.85	146.28	187.17	106.30	167.40	130.67	170.11	160.20
12	Cotton (Lint)	102.6	60.94	106.4	65.93	105.88	66.39	107.40	88.22
13	Sugarcane	780	831.38	820	897.71	913.50	693.13	822.00	972.68
14	Oilseeds (Kharif + Rabi + Summer)	56.9	42.08	52.88	48.85	57.70	51.78	58.22	64.81

* Production of Cotton in lakh bales of 170 kg. each.

Note- 1) For the year 2017-18 to 2019-20 production figures are based on final estimates.

2) For the year 2020-21 (Kharif+Rabi) production Figures based on 2nd Advance estimates.

(B) Scheme of Timely Reporting of Agricultural data (100%)

In order to provide accurate and timely statistics of the major crops in the state, this scheme was implemented with 100% financial support by Government of India from the year 1968-69. After that, from 1979-80 to 2006-07 50% of the total expenditure was received from the Central Government and the remaining 50% was received by the State Government. This scheme is being implemented in the state from the year 2007-2008 as 100% centrally sponsored scheme. Under the scheme grants are made available to cover the wages and allowances of the employees/staff members who have been approved for regular work in the scheme.

The main objective of the scheme is to prepare the final estimate of the area by collecting survey wise estimates of the main crop area and submit it to the Central and State Government. The use of the final information of the seasonal area is used for the implementation of various Government policies. Under the scheme, the statistics of the 20% of the selected villages in the state are collected by Regional employees of Revenue Department by sample card issued by the Agriculture Department. These data are collected by the collector wise at the district / department level and the estimates of crop production/district wise/taluka wise area are being finalized by the end of the year. Similarly, to finalise classification of 9 types of land as per its use above type of sample cards collected from Revenue Department and estimates are finalised.

Physical and Financial Targets and achievement

(Rs. in Lakh)

Sr. No.	Item	2019-20		2020-21		2021-22
		Target	Achievement	Target	Achievement	Target
1.	Training classes for supervisory employees	16	16	16	16	16
2.	Random Village Selection	8800	8800	8800	8800	8800
3.	Examination & Scrutiny of Table	54000	Work in Progress	54000	Work in Progress	54000
4.	Collection & Abstraction of Table	54000	Work in Progress	54000	Work in Progress	54000
5.	Preparation of Report	5	3	5	--	5
6.	Financial Targets and achievement	395.00	292.86	395	151.53 Upto December, 2020	400.00

**(C) Scheme for improvement in Crop Statistics
(100% Centrally Sponsored Scheme)**

The scheme was started by the Central Government with 100% subsidy in the year 1975 and after the year 1979-80, 50% of the total expenditure was received every year till 2006-07. The scheme is implemented as 100% centrally sponsored scheme in the state since 2007-08. The nature and planning of the scheme is communicated by NSSO Faridabad Accordingly, in all districts considering three seasons, 1320 villeges supervised for crop inspection by Talathi and crop cutting experiments conducted by circle inspectors (Kharif and Rabbi, 1300 experiments) are equally supervised by Agricultural Supervisors and officers of NSSO. By studying and discussing such a information high-level committee suggests improvement crop statistics every year.

The main purpose of the scheme is to obtain statistics by monitoring the crop harvested experiment by supervising the planned crop harvesting program by the field Inspector and Gramsevak, registered by the field surveyed in the crop survey and to try to bring about the improvement in the area of crop yields and the method of preparation of estimates of major crops based on the information available through observation and statistics.

Under the scheme grants are made available to cover the wages and allowances of the employees/staff members who have been approved for regular work in the scheme.

Physical and Financial Targets and achievement

(Rs. in Lakh)

Sr. No.	Item	2019-20		2020-21		2021-22	
		Target	Achievement	Target	Achievement	Target	Achievement
1.	Training classes for supervisory employees	16	16	16	16	8	..
2.	Random Village Selection	8800	8800	8800	8800	8800	..
3.	Regional work check						
	A) Area villages	1320	987	1320	408	1320	..
		(Kh+Rb+Su)		(Kh+Rb+Su)		(Kh+Rb+Su)	
	B) Crop cutting experiment	1300	829	1300	587	1300	..
				(Kh+Rb+Su)		(Kh+Rb+Su)	
4.	Village sample No. 11 Inspection	1320	987	1320	408	1320	..
				(Kh+Rb+Su)		(Kh+Rb+Su)	
5.	Financial Targets and achievements	250.00	114.40	250	68.67 upto December, 2020	255.00	..

(D) Scheme to Establishment a Permanent Mechanism for Study of Cost of Cultivation of Various Crops in Maharashtra (APC)

1. Year of Inception : 1979
2. Involvement of Agriculture Department : Collection of field information and planning of village clusters for three yearly survey and communicating the village clusters selected for State Agriculture Universities to the Joint Director, Agriculture Price Committee Cell.
3. Objectives : Provide protection to farmers by purchasing farm produce at minimum support price whenever prices of crops covered under the scheme drop below minimum support price.
4. Goal : Selection of clusters of 279 villages after every three years, computation of cost of cultivation per quintal and per hectare of selected crops and submit recommendation to Central Agricultural Costs and Price Commission for deciding Minimum Support Prices. For the period 2021-22 to 2023-24, clusters of 279 villages are identified and communicated to the Joint Director, Agriculture Produce Price Committee Cell, Mumbai.
5. Achievements : Villages clusters are identified for the three year period of 2021-22 to 2023-24 and information is being collected and compiled to work out the cost of cultivation.
6. Financial Provisions : No separate financial provision is made for this scheme as the posts under this scheme were merged in One Window Scheme of Agriculture Department.
7. Scheme Implementation : This scheme is implemented by the Agriculture Produce Price Committee Cell at Mantralaya, Commissionerate of Agriculture and Four Agricultural Universities in the State.

(E) Crop Estimation Survey—Scheme for Estimation and Review of Crop yield in Maharashtra

1. Year of Inception :
2. Objectives :
 1. Provide credible estimates of per hectare yield of various crops at district and taluka level.
 2. Provide timely and accurate information required for crop forecasting.
 3. Provide average yield of crops of last ten years at taluka level for estimation of 'Paisewari'.
 4. Collect information from selected villages and crops regarding cultivation practices of farmers and use of seeds, fertilizers etc.
 5. Provide Circle level average crop yield of 3-5 years for calculation of compensation.
 6. Provide current years average yield per hectare for crop insurance scheme.
4. Crops Included : Currently, this procedure is used to conduct statewide crop cutting experiments for following crops in the state.
 - (1) Paddy (2) Bajra (3) Kh. Jowar (4) Finger Millet (Ragi) (5) Rabi Jowar (6) Wheat (7) Gram (8) Cotton (9) Sugarcane (10) Tambakhu (11) Groundnut (12) Red Gram (13) Sesamum (14) Linseed (15) Khurasani (16) Safflower (17) Sunflower (18) Maize (19) Summer Paddy (20) Summer Sunflower (21) Summer Groundnut (22) Green Gram (23) Black Gram (24) Soyabean (25) Rabi Sesamum (26) Rabi Sunflower (27) Rabi Maize.

5. Achievements : Total 108997 crop cutting experiments were conducted in year 2019-20 of which 67403 were in Kharif 30058 were in Rabi and 2336 were in Summer season. For 2020-21, 113008 experiments are planned, of which 83114 will be in Kharif, 25922 in Rabi and 4962 in Summer season.
6. Financial Provisions : No separate financial provision is made for this scheme except under the head Labour (D-3001), Operations and Administration (00) (01), commissionerate of Agriculture (24010136) under which, Rs. 12.15 lakh is provided for year 2020-21.

(F) Pradhan Mantri Fasal Bima Yojana (PMFBY)

Objectives:

- * To provide insurance coverage and financial support to farmers in event of failure of any of the notified crop as a result of natural calamities, pests and diseases so as to restore credit worthiness for ensuing season.
- * To stabilize the income of farmers to ensure their continuance in farming.
- * To encourage farmers to adopt innovative and modern agricultural practices.
- * To ensure flow of credit to the agriculture sector.

The salient features of the scheme are as below :-

- * Indemnity level is 70 %.
- * Actuarial premiums will be paid for insuring crops and hence claims liability will be on insurer.
- * More proficient basis for calculation of threshold yield (average yield of best five out of last seven years shall be considered.)
- * An individual assessment of claims will be carried out in case of specified localized calamity viz. Inundation, hailstorm, landslide.
- * Indemnity amount will become payable for prevented sowing/planting risks and for post harvest losses, due to cyclones & unseasonal rains.
- * On account payment up to 25% of likely claims will be released as advance for providing immediate relief to farmers during adverse season.

Coverage of Crops :

Kharif:—

- | | |
|-------------------------------|--|
| Food crops (Cereals & Pulses) | : Rice, Kh. Jowar, Bajara, Ragi, Maize, Tur, Mung, Udid. |
| Oilseeds | : Soyabean, Gr. Nut, Sesamum, Sunflower, Niger. |
| Annual Commercial | : Cotton, Kh. Onion. |

Rabi :—

- | | |
|-------------------------------|---|
| Food crops (Cereals & Pulses) | : Wheat (Irrigated), Jowar (Irrigated & Unirrigated), Gram, Summer Paddy. |
| Oilseeds | : Summer Gr. Nut. |
| Annual Commercial | : Rabi Onion. |

Farmers Covered :—

- * All farmers including share-croppers, tenant farmers growing notified crops in the notified area.
- * The scheme would be optional for the Non-loanee farmers, as well as loanee farmers.

Pradhan Mantri Fasal Bima Yojana :**Financial Target and Achievement of previous 3 years under the Scheme. (State Share)**

Year	Subsidy Rs. Lakh (state share)		Sanctioned Claim Amount Rs. Lakh
	Target	Achievement	
2017-18	151710.87	151710.87	270781.00
2018-19	172379.98	172379.98	465546.00
2019-20	234584.16	234584.16	551168.00
2020-21	265380.00	*90800.06	*Interim* 57385.49 Dated 02-02-2021

Physical Achievement of previous 3 years under the Scheme.

Season	Notified Crop Taluka	Notified Crop Circle
Kharif 2017	233	10662
Rabi 2017-18	317	5563
Kharif 2018	235	10587
Rabi 2018-19	417	4561
Kharif 2019	253	10952
*Rabi 2019-20	295	2906
Kharif 2020	188	10159
Rabi 2020-21	385	4331

(G) Gopinath Munde Shetakari Aghat Vima Yojana

Farmers are prone to accidents such as Road accident, Railway accident, Drowning flooding Effect of poison due to pesticides, Electric shock or Electrocutation, Lightening, Murder, Fall from height, Snake bite, Scorpion bite, Naxalite Violence, Animal bite (Rabies), Riots or Any other accidents due to natural calamity while performing their farming business. Due to which death disability of earning head of family occurs the family members of farmers have to face critical financial situation.

In order to give financial support to the aggrieved family members of the ill-fated farmers the State Govt. has taken the insurance policy to provide insurance cover from different accidents under Farmers Personal Accident Insurance scheme. The scheme is being implemented in Maharashtra state as a Gopinath Munde Shetakari Aghat Vima Yojana from 2015-16.

The scheme was implemented by paying Rs. 27.24 Crore to the National Insurance Company, Pune in the year 2015-16 for the period of 12 months *i.e.* 1st December, 2015 to 30 November, 2016.

The scheme is implemented by paying Rs. 31.04 Crore to the Oriental Insurance Co. Ltd., Pune for the year 2016-17 for the period of 12 months *i.e.* 1st December, 2016 to 30 November, 2017.

The scheme is implemented by paying Rs. 43.56 crores to the Oriental Insurance Co. Ltd., Pune for the year 2017-18 for the period of 12 months *i.e.* 8th December, 2017 to 7th December, 2018.

The Scheme is implemented by paying Rs. 47.26 Crores to the Oriental Insurance Co. Ltd., for the year 2018-19 for the period of 12 month *i.e.* 8th December, 2018 to 7th December, 2019.

The Scheme is implemented by paying Rs. 97.98 Crores to The Universal Sompo General Insurance Co. Ltd. for the year 2019-20 for the period of 12 months *i. e.* 10th December, 2019 to 9th December, 2020.

The Progress of the scheme upto January, 2021 is as under.

Year	Name of the Insurance Company	Total Claims	Claims Paid	Claims Under Process	Claims Rejected	Claims Pending
2015-16	National Insurance Co. Ltd., Pune	3934	2609	..	1325	..
2016-17	Oriental Insurance Co. Ltd., Pune	3387	2413	..	974	..
2017-18	Oriental Insurance Co. Ltd., Pune	3545	2671	18	856	..
2018-19	Oriental Insurance Co. Ltd., Pune	3857	2374	490	628	365
2019-20	The Universal Sompo General Insurance Co. Ltd.	3895	1248	714	255	1508

The budget provision of Rs.110 crore is made for the year 2020-21.

Agriculture Census (100% Centrally Sponsored Scheme)

1. Preface-

Agriculture Census forms part of a broader system of collection of Agricultural Statistics in the country. An agricultural operational holding is the ultimate unit for taking decision for development of Agriculture at micro level.

It is for this reason that an operational holding is taken as the statistical unit of data collection for describing the structure of agriculture.

Agriculture Census is important as these are the main source of information on basic characteristics of operational holdings such as land use and cropping patterns, irrigation and tenancy particulars. This information is tabulated by different size classes of holdings and social groups such as Scheduled Castes/Scheduled Tribes/other/Institute and gender (male/female) which are needed for development planning, socio-economic policy formulation and establishment of national priorities. The whole project of Agriculture Census in the country is implemented in three distinct phases, which are statistically linked together but focus on different aspects of agricultural statistics. In Phase-I, a list of holdings with their area and social characteristics and gender of the holders along with types of holdings is prepared. In Phase-II, detailed data on agricultural characteristics of holdings such as cropping pattern and land use classification are collected from selected villages. In Phase-III, data on input use pattern are collected from selected holdings in selected villages. Thus the whole operation of Agriculture Census in India is in fact not a complete Census, rather it is a combination of Census and Sample Survey.

Agriculture Census is 100% Centrally Sponsored Scheme. Agriculture Census is carried out after every five years within all states of country. In India it is carried out for reference years 1970-71, 1976-77, 1980-81, 1985-86, 1990-91, 1995-96, 2000-01, 2005-06 & 2010-11 yet. Now work for 10th Agriculture Census with reference year 2015-16 is completed.

The main objectives of Agriculture Census are :

- i) To describe structure and characteristics of agriculture by providing statistical data on operational holdings, including land utilization, irrigated and un irrigated area under different crops, use of agricultural machinery and implements, use of fertilizers, seeds, agricultural credit etc.
- ii) To provide benchmark data for formulating new agricultural development programmes and for evaluating their progress.
- iii) To provide basic frame of operational holdings for carrying out future agricultural surveys and,
- iv) To lay a basis for developing an integrated programme for current agricultural statistics.

2. Financial Requirement-

(Figures in lakhs)

Actual expenditure in 2017-18	Actual expenditure in 2018-19	Estimated expenditure in 2019-20
144.18	579.07	780.00

3. Discription of Agriculture Census Programme & Financial Requirement :—

The scheme is centrally sponsored and 100% financed by the Govt. of India, thus the entire expenditure on the salaries and other allowances of the headquarters, staff are borne by the Govt. of India .This further includes expenditure on trainings, printings of guidelines, registers, forms & their distribution to all district in the state. Expenditure also includes honorarium to field officers/staff working for Agri Census work.

4. Staffing pattern-

There are 13 sanctioned posts under the scheme. The details about no and pay scale are as follows.

Sr. No.	Designation	Pay scale with Grade pay	Sanctioned post
1	Deputy Commissioner, Agri. Census (Group-A)	Pay scale-s-23 67700-208700	1
2	Statistician, Agri. Census (Group-A)	Pay scale-s-20 56100-177500	1
3	Technical Officer (Statistics) (Group-B)	Pay scale-s-16 44900-142400	1
4	Senior Statistical Assistant (Group-B) Junior	Pay scale-s-15 41800-132300	1
5	Statistical Supervisor (Group-C)	Pay scale-s-13 35400-112400	2
6	Assistant Superintendent (Group-C)	Pay scale-s-13 35400-112400	1
7	Senior Clerk/StenoTypist, Group-C	Pay scale-s-8 25500-81100	1
8	Stenographer (Higher grade) Group-C	Pay scale-s-15 41800-132300	1
9	Clerk Group-C	Pay scale-s-6 19900-63200	1
10	Driver Group-C	Pay scale-s-6 19900-63200	1
11	Peon Group-D	Pay scale-s-1 15000-47600	2
Total Staff			13

Information of Number of Operational holding and Operated area (1976-77 to 2015-16)

Sr. No.	Size of Groups	Number of operational holdings in lakhs, operated Area in Lakh. ha.									
		1976-77	1980-81	1985-86	1990-91	1995-96	2000-01	2005-06	2010-11	2015-16	
1.	Marginal (0 to 0.99 ha)	Number	15.05	19.26	24.88	32.75	42.66	53.06	61.18	67.09	78.15
		Area	7.06	9.73	12.32	16.18	20.87	26.47	28.01	31.86	34.49
2.	Small (1 to 1.99 ha)	Number	11.42	15.41	21.04	27.28	31.76	36.06	41.50	40.52	43.39
		Area	16.76	23.34	31.35	39.83	46.06	51.27	52.48	57.39	57.71
3.	Semi medium (2.00 to 3.99 ha)	Number	13.39	16.86	19.57	21.26	21.52	22.74	24.52	21.59	23.27
		Area	38.33	48.18	55.20	58.80	58.72	61.09	61.30	57.65	60.26
4.	Medium (4.00 to 9.99 ha)	Number	13.52	13.92	13.17	11.71	9.43	8.65	9.25	7.10	7.34
		Area	83.38	84.49	78.62	68.56	54.36	48.80	48.85	39.93	40.99
5.	Large (10.00 ha & more than that ha.)	Number	4.26	3.18	2.36	1.71	1.16	0.87	0.70	0.68	0.69
		Area	65.52	47.88	36.03	25.88	18.79	13.38	9.41	10.84	11.61
Total No. of operational Holdings		57.64	68.63	81.02	94.71	106.53	121.38	137.15	136.98	152.85	
Total operated Area		211.05	213.62	213.52	209.25	198.80	201.01	200.05	197.67	205.06	

State level information of Agril. Census 2015-16

Sr. No	Item	Area (Ha/R)	Percentage	No. of operational Holder	Percentage
1	2	3	4	5	6
1.	Total operational Area	205.06	..	152.85	..
	A) Net area sown	179.55	87.56	..	..
	B) Current fallow	14.76	7.20	..	..
	Net area cultivated	194.34	94.77	..	..
	C) Un-cultivated land	10.72	5.23	..	..
	D) Land not available for cultivation	N.A.	N.A.	..	..
2.	Irrigation	N.A.	N.A.	N.A.	N.A.
	A) Completely irrigated	N.A.	N.A.	N.A.	N.A.
	B) Partly irrigated	N.A.	N.A.	N.A.	N.A.
3.	Well Irrigated	N.A.	N.A.	N.A.	N.A.
4.	No. of Wells in use	N.A.	..	..	..
	A) No. of Wells with electric pumpset	N.A.	N.A.	..	..
	B) No. of Wells with diesel pump	N.A.	N.A.	..	..
	C) No. of Wells without pumpset	N.A.	N.A.	..	..
5.	Gross cropped area	228.13	..	250.94	..
	1) Total food crops	139.14	60.99	163.69	65.23
	A) Cereals	79.88	35.01	85.43	34.04
	B) Pulses	35.49	15.56	52.80	21.04
	C) Other	23.77	10.42	25.46	10.14
	2) Total Non-food crops	88.99	39.01	87.25	34.77
	3) Major food crops.				
	1) Jawar	33.67	14.76	32.69	13.02
	2) Paddy	20.91	9.17	16.32	6.50
	3) Wheat	8.72	3.82	7.78	3.10
	4) Gram	14.71	6.45	12.56	5.01
	5) Tur	12.96	5.68	26.50	10.56
6.	Classification of types of holdings	Total operated area		Total Operational holding	
	1) Operational holder	205.06	..	152.85	..
	A) Individual holder	143.06	94.14	144.98	94.85
	B) Joint holder	10.93	5.33	7.59	4.96
	C) Institutional holder	1.07	0.53	0.28	0.19
	2) According to size class				
	A) Marginal	34.49	16.81	78.16	51.13
	B) Small	57.71	28.14	43.39	28.39
	C) Other	112.87	55.04	31.30	20.48
	3) According to Social group				
	A) Scheduled caste	12.79	6.24	10.30	6.74
	B) Scheduled Tribes	15.10	7.36	8.56	5.60
	C) Other	176.10	85.87	133.71	87.47
	D) Institutional	1.07	0.53	0.28	0.19

Monitoring and Evaluation Cell

(1) Introduction-

According to Agri. and Co-operation Department Government resolution number Krishi A-4280/18308-2/14-A, dated 09/02/1981 as well as Agriculture, Dairy Development, Animal Husbandry and Fisheries development Government resolution number AKV-1298/P.K.61/15A dated 29/05/1998 and Government resolution number AKV-1208/P.K.72/15A dated 22/05/2009 during reorganization of Agri. Department, Monitoring and Evaluation cell was established at Commissionerate of Agriculture, M.S Pune. The Monitoring and Evaluation cell works under the control of Director of Agriculture (Agro Processing & Planning), Commissionerate of Agriculture M.S. Pune.

(2) Sanction post Information -

For Implementation of Monitoring & Evaluation Cell following 14 posts are sanctioned

Sr. No.	Designation	Pay-scale	Sanction post	Filled post	Vacant post
1.	Principal, Monitoring & Evaluation (MAS Class-1)		1	1	0
2.	Agriculture Officer (MAS Class-II(Jr))		2	1	1
3.	Agriculture Supervisor		4	1	3
4.	Steno (Lower Grade)		1	1	0
5.	Senior Clerk		1	0	1
6.	Junior Clerk		2	1	1
7.	Driver		1	0	1
8.	Naik		1	0	1
9.	Peon		1	1	0
Total			14	6	8

(3) Objectives of Monitoring & Evaluation -

To monitor whether the implementation of a scheme is being done properly and while implementing the scheme the targets are being achieved. After the implementation of the plan, the plan has been worked out as per the target of the scheme, checking the effectiveness of the scheme, suggesting how the plan was implemented in the right way, suggesting the success of the scheme, and required changes in guidelines timely as per the feedback and responses of the beneficiaries and Govt. employees is the main objectives of evaluation.

(4) Internal Evaluation -

The evaluation is carried out in two ways, internal evaluation and external evaluation, Internal Evaluation is carried out by monitoring and evaluation cell, working at commissionerate of Agriculture, MS pune with recommendations of Director (Extension and Training), Director (Soil and Water Conservation), with the approval of the Commissioner of Agriculture Director (Input and Quality Control), Director (Horticulture) & Director (Agriculture Process & Planning)-Evaluation of various schemes are carried out and regular follow-up of field staff and officers, field level evaluation work is completed as soon as possible.

(5) A total of 48 evaluation reports have been published by the Monitoring and Evaluation cell up to 2020-21.

(6) During 2019-20 Result Frame work Document (RED) has been completed and During 2020-21 Result Framework Document work will continue.

(7) During 2020-21 Evaluation report of Agri-Polyclinic Scheme has been completed.

(8) For the Third Party Evaluation of ATMA Scheme Hon'ble Secretary Agriculture and Animal Husbandary, Dairy, Fisheries has been proposed and requested for approval.

Taluka Seed Multipn Farms - Non-Plan Scheme (2401 0261) 100% State Sponsored Scheme

There are 183 Taluka Seed Farms and 9 Tarial-Cum-Demonstration (TCD) farms. Thus total 192 Farms are in Maharashtra.

The Objectives of the Taluka Seed Farms are to produce quality seed of different crops, to train the farmers about the modern technologies in farming, to arrange demonstrations of different agril technologies so as to train the farmers. In this head the fund is available for Salary, Wages, Telephone, Electricity & Water charges, Travelling Exp., Office Exp., Rents & Taxes, overtime allowance, Materilas & supply, Minor works.

The seed production of different crops is the main objective of the Seed Farms. Also the allied agril, activities such as production of Vermicompost, Nadeecompost, Neem powder, neem oil, urea brickets, fodder production etc. are taken on these seed farms as per the availability of the funds.

Financial Requirements (Rs. Lakh)

Scheme Name	Provision 2019-20	Provision 2020-21
Taluka Seed Multipn Farm Non-Plan Scheme (2401 0261) 100% State Scheme.	3831.19	4621.90

Sub-Mission on Seeds & Planting Material (SMSP) under National Mission on Agricultural Extension & Technology (NMAET)

1. Preamble -

Central sponsored Scheme Sub-Mission on Seeds & Planting Material (SMSP) under National Mission on Agricultural Extension & Technology (NMAET) is being implemented from 2014-15.

Objectives -

Increasing production of certified/quality seed, Increasing SRR, more particularly to achieve higher SRR, Strengthening the seed multiplication chain through assistance to public and private sector, Encouraging seed treatment particularly for farm saved seed, Popularizing new varieties to encourage varietal replacement, Ensuring availability of seed in contingent situations.

2. Financial Requirement-SMSP-Financial Achievement For the year 2019-20 (Rs. Lakh)

Sr. No.	Category	Budgeted provision			Funds received			Exp. as on 31-3-2020		
		Central	State	Total	Central	State	Total	Central	State	Total
1	S.C.	1200	600	1800	619.49	..	619.49	..	..	..
2	S.T.	1410	440	1850	176.32	..	176.32	..	..	..
3	General	2000	1333	3333	1453.95	969.31	2423.26	1453.95	969.31	2423.26
Total		4610	2373	6983	2249.76	969.31	3219.07	1453.95	969.31	2423.26

Note - Physical Achievement-Seed Distribution-Soybean-61255 Qtls., Paddy-10742 Qtls., Gram-23048 Qtls., Wheat-27743 Qtls., Groundnut-5567 Qtls., (Total Seed Distribution-128085 Qtls.)

Planning for 2020-21 (Rs. Lakh)

Sr. No.	Category	Budgeted provision			Funds received			Exp. as on 31-12-2020		
		Central	State	Total	Central	State	Total	Central	State	Total
1	S.C.	600.00	400.00	1000.00	480.64	..	480.64	186.46	..	186.46
2	S.T.	156.93	104.62	261.55	170.28	..	170.28	..	..	..
3	General	1600.00	1066.00	2666.00	815.62	..	815.62	489.37	..	489.37
Total		2356.93	1570.62	3927.55	1466.54	..	1466.54	675.83	..	675.83

(1) Vasantrao Naik State Agriculture Extension Management Training Institute

(1) Objectives & Information of the Scheme :

By taking into consideration the Importance of Agriculture Development Programmes implemented in the State the Govt. of Maharashtra established Vasantrao Naik State Agriculture Extension Management Training Institute, (VANAMATI) at Nagpur on 1st July, 1992 with an objective to give training to the Officers & Staff working in Agriculture and Allied Departments. As per Govt. Resolution dated 29th May, 1998, the reorganization of Agriculture Department is done & Vanamati, Nagpur is declared as a State Apex Training Institute with its Seven Satellite Training Institute at Regional Level (RAMETIs).

To develop VANAMATI, Nagpur as one of the Leading & Popular Institutes as like YASHADA, Pune & MANAGE, Hyderabad, funds for basic facilities made available by this scheme. Basic facilities includes Construction of Buildings and Hostels for trainees, repairing & renovations of old buildings & hostel infrastructures, Furniture etc. VANAMATI, Nagpur keeps required amount of funds received by them and remaining funds allotted to RAMETIs located at Nagpur, Aurangabad, Amravati, Nashik, Kolhapur, Khopoli & Pune.

1. The Scheme Vasantrao Nasik State Agriculture Extension Management Training Institute is implemented as 100% state sponsored scheme.

2. For the year 2019-20 programme of Rs. 600.00 lakh is proposed for development & construction of Basic Facilities of Vanamati, Nagpur & its seven satellite Rametis. But Rs. 600.27 lakh is sanctioned by Government of Maharashtra. But actual Grants not received from Government.

3. For the year 2020-21 programme of Rs.598.98 lakh has been proposed. Budgetary Provision of Rs. 600.00 lakh is sanctioned by Government of Maharashtra. But actual grants not received from government.

4. For the year 2021-22 programme of Rs. 718.47 lakh is proposed.

(2) Training & Capacity Building Programmes for Officers, Field Functionaries and Members of various ATMA Committees at VANAMATI & RAMETIs level under R.K.V.Y.

(1) Objectives :

To Organize Training at VANAMATI, Nagpur and it's seven satellite institutes (RAMETIs) for effective training and capacity building of Senior and middle level officers at VANAMATI, Nagpur & field functionaries, farmers at RAMETIs, (Pune, Nagpur, Aurangabad, Amarawati, Kolhapur, Nasik & Khopoli) Also training to members of various ATMA Committees.

To train newly appointed Krishi Sevaks for effective implementation of various schemes.

To improve and upgrade technical knowledge.

To make aware about new extension reforms and innovation in technology dissemination.

To make aware about new changes in programmes and guidelines.

To train Officers & field staff in planning and management for project based implementation of various schemes/ Mission.

To improve new technology managerial skills.

To make aware about new initiatives in Agriculture, Processing and Marketing.

(2) Financial Requirements :

Sanction Provision for the year 2019-20	:	Rs.749.00 lakh
Expenditure incurred for the year 2019-20	:	Rs. 666.06 lakh
Demand proposed for the year 2020-21	:	Rs. 127.95 lakh
Funds made available for the year 2020-21	:	Rs. --
Expenditure incurred for the year 2020-21	:	Rs. 82.94 Lakh (Balance amount of year 2019-20)
Demand proposed for the year 2021-22	:	Rs. 698.14 lakh

(3) Training of Government Employees For Technical Training Under State Training Policy

1) Objectives & Information of the Scheme :

Training at all levels of the State is essential for dynamitic administration in the State Government service at levels. For this all the training policy of the State of Maharashtra has been disclosed by the Government decision dated 23.9.2011 As per paragraph No. 2.2 of the the Government decision the officers and staff of the Department are entrusted with the responsibility of providing technical training to the concerned Department. Accordingly, the scheme is being implemented under the state training policy to provide training to Government employees for technical training. Under this scheme, Funds is provided to the officers and staff of Agriculture Department for training of technical matters related to the schemes implemented by the Department.

2) Financial Requirements :

Sanction Provision for the year 2019-20	:	Rs. 100.00 lakh
Expenditure incurred for the year 2019-20	:	Rs. 60.00 lakh
Budget Provision sanctioned for the year 2020-21	:	Rs. 100.00 lakh
Funds made Availbale for the year 2020-21	:	Rs. --
Expenditure incurred for the year 2020-21	:	Rs. --
Demand proposed for the year 2021-22	:	Rs. 325.20 lakh

(4) Implementation of Group Farming Scheme for promotion and Strengthening of Groups Farming (100% State Sponsored Scheme)

Objectives & Information of the Scheme :

Government had decided to double the income of Farmers upto the year 2022. The aim of the Scheme is to develop common facilities like irrigation for Agriculture, common implementation, primary processing units and value addition etc. As well as the Farmers groups will be assisted for occupations like Dairy, Poultry, Fishery, Sericulture, Apiculture etc. Due to having small land holding of Farmers in the state, State government has decided to improve farmers income through group farming.

In this scheme it is decided to establish 200 Farmer Groups in two years *i.e.* year 2017-18 and 2018-19 accordingly provide maximum of Rs. 1.00 crore for each group.

Financial Programme :

Proposed demand for the Year 2019-20	:	Rs. 32303.15 Lakh
Budget provision sanctioned for the Year 2019-20 :		Rs. 10000.00 Lakh
Funds Distributed for the Year 2019-20	:	Rs. 7000.00 Lakh
Expenditure incurred for the Year 2019-20	:	Rs. 4411.12 Lakh
Funds surrender for the Year 2019-20	:	Rs. 2588.87 Lakh
Demand Proposed For the Year 2020-21 (Spillover programme) :		Rs. 24083.44 Lakh
Budget provision sanctioned for the Year 2020-21	:	Rs. 11000.00 Lakh
Fund Distributed for the year 2020-21	:	Rs. 3300.00 Lakh
Demand Proposed for the Year 2021-22 (Spillover programme & proposed new scheme)	:	Rs. 35342.51 Lakh

(5) Support to State Extension Programmes for Extension Reforms (ATMA)

Agricultural Technology Management Agency (ATMA) Scheme was launched during 2005-06. It aims at making extension system farmer driven and farmer accountable by way of new institutional arrangements for technology dissemination in the form of an Agricultural Technology Management Agency (ATMA) at district level to operationalize the extension reforms. ATMA has active participation of farmers/farmer-groups, NGOs Krishi Vigyan Kendras (KVKs), Panchayati Raj Institutions and other stakeholders operating at district level and below. Release of funds under ATMA scheme is based on State Extension Work Plans (SEWPs) prepared by the State Governments, Allocation of resources for activities related to extension is linked to number of farm households and Blocks.

The scheme Support to State Extension Programme for Extension Reforms is centrally sponsored scheme with 60:40 Centre:State Share, except Farmer Friend 50:50. Out of 34 districts 33 districts of Maharashtra state are covered under this scheme since 2007-08. Formation of New ATMA institute in the newly created Palghar District is in progress.

(Rs. in Lakhs)

Sr. No.	Financial Year	Administrative Approval	Unspent Balance	Funds received	Expenditure
1.	2016-17	Rs. 9315.64 (Central-5466.51) (State 3849.13)	as on 1 April, 2016 Rs. 681.66 (Central 457.38) (State 224.28)	Rs. 4610.23 (Central-2766.14) (State 1844.09) (As on 31 March, 2017)	Rs. 4709.92 (Central-2706.73) (State 1903.18) (As on 31 March, 2017)
2.	2017-18	Rs. 10314.78 (Central-6065.99) (State 4248.79)	as on 1 April, 2017 Rs. 734.62 (Central 569.43) (State 165.19)	Rs. 7541.78 (Central-4525.07) (State 3016.71) (As on 31 March, 2018)	Rs. 5915.89 (Central-3473.7) (State 2442.11) (As on 31 March, 2017)
3.	2018-19	Rs. 11382.68 (Central-6829.61) (State 4553.07)	as on 1 April, 2018 Rs. 2584.74 (Central 1626.60) (State 958.14)	Rs. 5171.57 (Central 3102.94) (State 2068.63) (As on 31 March, 2019)	Rs. 6988.36 (Central 4116.74) (State 2871.52) (As on 31 March, 2019)
4.	2019-20	Rs. 11759.73 (Central-6795.52) (State 4964.21)	as on 1 April, 2019 (Rs. 841.26) (Central 654.49) (State -186.77)	Rs. 6564.01 (Central-3825.60) (State 2738.41) (As on March, 2020)	Rs. 6718.98 (Central-3959.69) (State 2759.31) (As on March, 2020)
5.	2020-21	Rs. 12758.17 (Central 7376.59) (State 5351.58)	as on 1 April, 2020 (Rs. 979.34) (Central 520.42) (State -458.92)	Rs. 4186.25 (Central 2511.75) (State 1674.50)	Rs. 3154.12 Rs. 1855.00 Rs. 1299.12 (As on Jan., 2021)

Various Agricultural Awards from State Government of Maharashtra

To encourage and honour the new initiatives undertaken in Agriculture field and to recognise the remarkable contributions in the field of Agriculture, Government of Maharashtra, Agriculture Department is felicitating different awards. Following Awards are given by the department every year.

1. Crop Competition

Since year 1959-60, Crop competition is organized by Department of Agriculture Government of Maharashtra. The format and criteria of Crop Competition have changed since the rabbi season of year 2020. Crop competitions have been organized at the state, divisional, districts and taluka levels with the objective of creating and encouraging a competitive environment among farmers to maximize their production using modern technology. Crop competition is being organized for all the crops under which the area under cultivation is more than 1000 hectares in Taluka.

* Kharif and Rabbi Seasons include following crops.(Total 17 Crops)

Kharif Crops-Paddy, Sorghum, Millet, Nachani, Maize, Tur, Green gram, Udid, Soyabean, Groundnut, Sunflower (Total 11 Crops)

Rabbi Crops-Sorghum, Wheat, Gram, Safflower, Lentils, Sesame (Total 6 Crops)

* Minimum required area to participate in the competition : 0.10 ha for all crops

* At least 10 contestants from general category and at least 5 contestants from tribal category are required to participate in crop competition at taluka level. Participation fee is Rs. 300 per farmer per crop.

* The format of the award is as follows--

Sr. Level	Competition	General and Tribal category (Prize in Rs.)		
		First	Second	Third
1.	Taluka level	5000	3000	2000
2.	District level	10000	7000	5000
3.	Division level	25000	20000	15000
4.	State level	50000	40000	30000

Total 300 awards given up to end of year 2016.

2. Dr. Panjabrao Deshmukh Krishi Ratna Award - (Total No. of awards given - 01)

This award is honoured to farmer / organisation who has given remarkable and highest contribution in Agriculture Extension, Agriculture Production, Agriculture Processing, Export, change in cropping pattern and application of new technologies for higher production. The Award started in the year 2000-2001 on the occasion of 101th Birth Anniversary of Dr. Panjabrao Deshmukh. Krishiratna Awardee is honoured with Certificate, Memento and Prize of Rs. 75000/-. Total 19 awards given upto end of Year 2016.

3. Vasantarao Naik Krishibhushan Award - (Total No. of awards given - 10)

This award is started in the year 1984 in the name of Chief Minister, late Shri. Vasantrao Naik. The award is given for the outstanding work in Agriculture, Animal Husbandry, Dairy Development, fisheries development, Horticulture, Rural Development, bio-gas, farmer's contribution in Agriculture and allied sector. Awardee is honoured with Certificate, Memento and Prize of Rs. 50,000/-. Total 264 awards given upto end of Year 2016.

4. Krishi bhushan Organic Farming Award - (Total No. of awards given - 09)

The farmers/organisation having outstanding work in Organic farming field are honoured with Certificate, Memento and Prize of Rs. 50,000/- . Total 55 awards given upto end of Year 2016.

5. Jijamata Krishibhushan Award - (Total No. of awards given - 05)

Women having outstanding work in Agriculture and allied fields are honoured with Certificate, Memento and Prize of Rs. 50,000/- . Total 102 awards given upto end of Year 2016.

6. Vasantnao Naik Shetimitra Award (Total No. of awards given - 03)

This award is started from 1984. The farmers/ persons/ organisation who have contributed in transfer of agriculture technology in their area, who have guided /encouraged other farmers for increasing agricultural production, the organisation/ persons who are not having their own farm or land but they are working for valuable contribution in agriculture through media or allied platform are honoured with this award. Awardee honoured with Certificate, Memento and Prize of Rs. 30,000/- . Total 72 awards given upto end of Year 2016.

7. Udyan Pandit Award - (Total No. of awards given - 08)

Under the Horticulture, farmers get huge financial benefits from vegetable crops, fruit crops, flowers, spices, medicinal and aromatic plants. The farmers are being honoured with Udyan Pandit Award from 2001 to encourage the-farmers who have made significant progress in the field of horticulture. Awardee honoured With Certificate, Memento and Prize of Rs. 25,000/- . Total 198 awards given upto end of Year 2016.

8. Vasantnao Naik Shetnistha Award - (Total No. of awards given - 25)

The use of improved technology in agriculture, improved agriculture implements, plantation crops according to soil type, land levelling, contour sowing, judicious use of chemical fertilizers, water conservation, water storage structure with drip & sprinkler irrigation, timely application of pesticides in agriculture & allied sector related work and guidance to nearby farmers etc. Norm considering overall work, 25 farmers/ organisations are awarded by this award including tribal farmers (6 No's). Awardees honoured with Certificate, Memento and Prize of Rs. 11,000/- . Total 1396 awards given upto end of Year 2016.

9. Padmashri Dr. Vitthalrao Vikhe Patil Krushi Sevaratna Award - (No. of awards given - 2)

From officers and employee of all cadres, one outstanding officer and one employee who have played important role for increasing agricultural income and done precious job/work for development of agriculture field in the state, felicitated by Padmashree Dr. Vitthalrao Vikhe Patil Krishi Sevaratna Award from year 2014. Awardee honoured with Certificate and Memento. Total 06 awards given upto end of Year 2016.

Shetkari Magazine

Preface: Since 1965 Shetkari Magazine is being published by Department of Agriculture. Since May 2009, total 56 pages with four colour magazine is published. Through this magazine information about agriculture technology, government schemes, various farmers success stories and reply to farmers queries is given. Information given in the magazine is very fruitful in the adoption of new technology by the farmers for increasing productivity and income. Therefore this important magazine needs to continue further.

(Rs. in Lakh)

Year	Average Subscriber	Subscriber Receipt Rs.	Advertisement Receipt Rs.	Total Receipt Rs.
2014-15	143027	226.97	6.00	232.97
2015-16	140633	288.00	12.00	300.00
2016-17	111288	278.22	8.55	286.77
2017-18	112150	194.69	2.46	197.15
2018-19	54984	137.46	1.96	139.42
2019-20	48372	120.93	2.14	123.07
2020-21 (approximately)	70000	175.00	1.96	176.96

In 2019-20, from subscription and advertisements, a revenue of Rs. 123.07 Lakh is received. Currently 16 posts are sanctioned in the office, out of which 9 posts are vacant. The average subscriber number in 2019-20 is 48372.

From subscription and advertisement till March 2020, a revenue of Rs. 123.07 Lakh is received. For 2020-21 a provision of Rs. 393.21 Lakh is proposed and Rs. 377.16 Lakh have been approved. Similarly for 2021-22 a provision of 438.14 Lakh is proposed.

Information about Post of Shetkari Magazine Office

Sr. No.	Post	Sanction Posts			Filled Posts	Vacant Posts
		Permenant	Non Permenant	Total Posts		
1.	CLASS-1 Deputy Director	1	..	1	1	..
2.	CLASS-2 Technical Officer	1	..	1	1	..
3.	Agriculture Officer	2	..	2	1	1
4.	CLASS-3 Translator	1	..	1	..	1
5.	Suprident	..	1	1	..	1
6.	Stenographer	..	1	1	..	1
7.	Agriculture Surervisor	..	1	1	1	..
8.	Agriculture Assistant	..	1	1	..	1
9.	Senior Cleark	1	1	2	2	..
10.	Cleark	1	1	2	..	2
11.	Peon	..	3	3	1	2
	Total	7	9	16	7	9

I. Birsa Munda Krushi Kranti Yojna (Tribal Sub Plan and Other than Tribal Sub Plan)

1. Brief information of the Scheme : Adivasi Upyojna scheme was implemented for the development of Scheduled Tribe Farmers since 1992-93. Adivasi Upyojna (TSP) was implemented in Thane, Palghar, Raigad, Nashik, Nandurbar, Dhule, Jalgaon, Pune, Ahmednagar, Nanded, Amravati, Yavatmal, Nagpur, Gondia, Chandrapur and Gadchiroli Districts of Maharashtra State, while Adivasi Upyojna (OTSP) was implemented in Thane, Palghar, Raigad, Nashik, Nandurbar, Dhule, Jalgaon, Pune, Ahmednagar, Solapur, Aurangabad, Jalna, Beed, Latur, Osmanabad, Nanded, Parbhani, Hingoli, Buldhana, Akola, Washim, Amravati, Yavatmal, Wardha, Nagpur, Bhandara, Gondia, Chandrapur and Gadchiroli Districts of Maharashtra State.

As this scheme was implementing from so many years. The Committee was formed by the Government for the recapitulation of the scheme. Keeping in view the changed scenario, recommendations of the Committee. The State Government has therefore revamped the scheme in 2017-18 with new norms of subsidy and components so as to provide sustainable irrigation facilities. Later it was decided to implement the existing Adivasi Upyojna scheme as Birsa Munda Krishi Kranti Yojna *vide* Government Supplementary Letter dated 30/12/2017.

2. Objectives : To provide sustainable irrigation facilities to Scheduled Tribe Farmers.

3. Components : Under this scheme, subsidy is given for various items as follows :-

S. No.	Item	Subsidy limit (Rs.)
1.	New well construction	250000/-
2.	Old well repairing	50000/-
3.	Inwell boring	20000/-
4.	Electric connection charges	10000/-
5.	Plastic Lining of Farm pond	100000/-
6.	Kitchen Garden	500/-
7.	Micro irrigation set	
	A. Drip irrigation or	50000/-
	B. Sprinkler irrigation	25000/-
8.	Pump Set	20000/-
9.	PVC Pipe/HDPE Pipe	30000/-

4. Eligibility : 4.1) Scheme is only for Scheduled Tribe farmers. Land holding limit is 0.20 ha. to 6.00 ha. (for benefit of New well component minimum 0.40 ha. land essential)

4.2) Income limit upto Rs. 1,50,000/- income certificate necessary.

5. Selection of beneficiaries : Under this scheme applications are accepted through Online system. If applications are received above the financial target of the districts, selection of beneficiaries has to be done by Lottery system.

6. Allocation

(Rs.in Lakhs)

S.N.	Name of Scheme	2019-20		2020-21	2021-22
		Sanctioned	Expenditure	Sanctioned Programme	Proposed
1.	Birsa Munda Krushi Kranti Yojna (Tribal Sub-Plan)	6805.67	6805.67	7678.87	8446.76
2.	Birsa Munda Krushi Kranti Yojna (Other than Tribal Sub-Plan)	3506.70	3506.70	3930.47	4323.52

2. Dr. Babasaheb Ambedkar Krushi Swavlamban Yojna

1. Brief information of the Scheme : The Scheduled caste plan scheme was implemented for the development of Scheduled caste and Nav Baudha farmers since 1982-83. The Hon. Finance Minister has declared The Dr. Babasaheb Ambedkar Krushi Swavlamban Yojna during his budget speech of 2016-17. Keeping in view the changed scenario and to provide assured irrigation facility to the farmers, it was decided to implement the existing Scheduled caste plan scheme as Dr. Babasaheb Ambedkar Krushi Swavlamban Scheme *vide* Government Resolution dated 05 January 2017. Scheme is implemented in all Districts of Maharashtra except Mumbai.

2. Objectives : To provide sustainable irrigation facilities to Scheduled Caste/Nav Baudha Farmers.

3. Components : Under this scheme, subsidy is given for various items as follows -

Sr. No.	Item	Subsidy limit (Rs.)
1.	New well construction	2,50,000/-
2.	Old well repairing	50,000/-
3.	Inwell boring	20,000/-
4.	Pump set	20,000/-
5.	Electric connection charges	10,000/-
6.	Plastic Lining of Farm pond	1,00,000/-
7.	Micro irrigation set	
	A. Drip irrigation or	50,000/-
	B. Sprinkler irrigation	25,000/-

4. Eligibility :

4.1 Land Holding : Land holding limit is 0.20 ha. to 6.00 ha. (for benefit of New well component minimum 0.40 ha. land essential) 7/12 & 8A is necessary.

4.2 Caste Certificate : Scheme is only for SC/Nav Baudha Caste farmers. Cast certificate is necessary.

4.3 Income certificate : Income limit upto Rs. 150000/-, income certificate is necessary.

5. Selection of beneficiaries : Under this scheme applications are accepted through Online system. If applications are received above the financial target of the districts, selection of beneficiaries has to be done through Lottery system.

Dr. Babasaheb Ambedkar Krushi Swavalamban Yojna

6. Allocation

Sr. No.	Name of Scheme	(Rs.in Lakhs)			
		2019-20 Sanctioned	2019-20 Expenditure	2020-21 Sanctioned Programme	2021-22 Proposed
1.	Dr. Babasaheb Ambedkar Krushi Swavalamban Yojna	26860.02	26860.02	27606.19	30366.81

Submission on Agricultural Mechanization-2020-21

1. Brief overview - To make available agricultural mechanization facilities and supply of agricultural machinery to farmers on subsidy.

2. Major Objectives - To increase the use of farm energy in state. Establishment of custom hiring centres. To encourage agricultural mechanization, Provide financial assistance to farmers for purchase of agricultural machinery.

3. Approved Components -

1. Financial assistance for purchase of agricultural implements.
2. Assistance for establishment of custom hiring centres.

In this submission Central Government has 60 % share and State Government has 40% share. Subsidy is given for the implements approved by guidelines of Central Government. Rate of financial assistance is as below :-

Sr. No	Components	Subsidy limit
1.	Financial assistance to farmers for purchase of agriculture implement	As per approved rates by Central Government
2.	Establishment of Custom Hiring Centres	
1.	Procurement Subsidy for establishment of Custom Hiring Centre upto Rs.10 lakh.	Upto Rs. 4.00 lakh
2.	Procurement Subsidy for establishment of Custom Hiring Centre upto Rs. 25 lakh.	Upto Rs. 10.00 lakh
3.	Procurement Subsidy for establishment of Custom Hiring Centre upto Rs. 40 lakh.	Upto Rs. 16.00 lakh
4.	Procurement Subsidy for establishment of Custom Hiring Centre upto Rs. 60 lakh.	Upto Rs. 24.00 lakh
3.	Promotion of Agricultural Mechanization selected village (Farm Machinery Bank)	Upto Rs. 8.00 lakh

For 2020-21 Annual Action Plan of Rs. 67.62 Crore has been approved by Govt. of India.

Annual Action Plan 2021-22

(Rs. in lakh)

Sr. No.	Name of Scheme	Central/State share	Source	Category	Budget Head	Year 2019-20				Year 2020-21				Budget estimate for 2020-21							
						Revali- dation	Received Funds as per Approval	Total Available Funds	Expendi- ture	Revali- dation	Admini- strative Approval (Including Revaliated Funds)	Antici- pated expendi- ture upto March 2021	Vidarbh	Marath- wada	Rest of Maharashtra	Non Divisible	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
1	Sub Mission on Agricultural Mechanization	Central	Central	General	2401 2513	252.053	5000.430	5252.483	4614.303	638.180	3795.380	3795.380	2564.246	2088.346	5997.407	..	10650.000				
						2401 A305	1430.604	1301.420	2732.024	879.804	1852.220	2452.220	2452.220	577.856	470.611	1351.532	..	2400.000			
						2401 B188															
						2401 A459	1061.381	1561.550	2622.931	1503.521	1119.410	1419.410	1419.410	469.511	382.378	1098.111	..	1950.000			
						OTSP
						Total	2744.038	7863.400	10607.438	6997.628	3609.810	7667.010	7667.010	3611.614	2941.336	8447.051	..	15000.000			
						State	General	2401 2513	168.035	3350.290	3518.325	3092.872	425.453	2530.253	1709.498	1392.232	3998.270	..	7100.000		
						SCP	2401 A314	953.736	800.000	1753.739	518.923	1234.813	1634.813	385.233	313.744	901.023	..	1600.000			
						2401 B197															
						TSP	2401 A459	707.587	999.990	1707.577	961.304	746.273	946.273	313.011	254.922	732.067	..	1300.000			
OTSP	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1829.359	5150.280	6979.639	4573.099	2406.540	5111.340	5111.340	2407.742	1960.898	5631.360	..	10000.000									
DPDC		General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SCP		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TSP		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OTSP		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total State Scheme		1829.359	5150.280	6979.639	4573.099	2406.540	5111.340	5111.340	2407.742	1960.898	5631.360	..	10000.000								
TOTAL (Centre/State Share)		4573.397	13013.680	17587.077	11570.727	6016.350	12778.350	12778.350	6019.356	4902.233	14078.411	..	25000.000								
State Sponsored Agriculture																					
Mechanization Programme																					
State General		2401+A 913	..	4000.000	4000.000	3961.130	..	..	..	..	..	..	3611.620	2941.338	8447.042	..	15000.000

Table No. 1

Breeder, Foundation, Certified Seed Production

Sr. No	Type of Seed	Crop Group	2017-18 Actual	2018-19 Actual	2019-20 Tetntative	Remarks
1.	Breeder Seed	Cereals	6.39	29	6.33	
		Pulses	18.00	16	20	
		Oilseeds	0.09	0.09	0.07	
		Cotton	0.36	0.36	0.26	
		Total	24.84	25.84		
2.	Foundation Seed	Cereals	14437	16308	11947	
		Pulses	24266	16626	16416	
		Oilseeds	45169	87568	23589	
		Cotton	50	..	53	
		Jute	99	67	77	
		Total	84021	20569	56632	
3.	Certified Seed	Cereals	118144	163222	162843	
		Pulses	272628	184237	199977	
		Oilseeds	436606	695464	280625	
		Cotton	401	896	639	
		Jute	1950	1644	397	
		Green Manuring Crops	7000	7821	7347	
		Fodder Crop	11632	11763	10200	
		Total	847766	1065047	662033	

Table No-2

Information of Maharashtra State Seeds Corporation Limited, Akola

Sr. No	Year	Certified Seed Production (qtls.)	Area Under Production (ha.)	Price of sold seeds (Rs. In Lakhs)
1.	2017-2018	847766	100098	489.94
2.	2018-2019	1065047	100027	543.85
3.	2019-2020	662033	100085	538.36

Table No-3

Capital Reciept - Maharashtra State Seed Corporation, Akola

Sr. No.	Year	Amount (In Lakhs)	Remark
1.	2017-2018	418.44	
2.	2018-2019	418.44	
3.	2019-2020	418.44	

Setting up of seed production processing and seed storage godown Under Sub-Mission on Seed and Planting Material (SMSP) in 2018-19

1. Objectives & Highlights of Scheme-

To make available the high quality, high yielding varieties of certified quality seeds locally to farmers for increasing production and productivity of different crops.

100 % Central Sponsored Scheme. 100% subsidy of Rs. 60 Lakh or actual which ever is less will be available for setting up of Seed processing and seed storage godown each of 500 MT Capacity at Gram Panchayat level.

A. For Machineries- 24.00 lakh (Approx)

B. For Construction- 36.00 Lakh (Approx)

2. Implementing Agency & Eligibility -

A. Farmers Producing Organization (FPO), Self Help Groups (SHG), Commodity Interest Groups (CIG), Co-operative Organisation, other reliable agency involved in agricultural activity approved by concerned state will be eligible for financial assistance.

B. As per the guidelines received from GOI, the seed processing plant & seed storage godown may be established on Govt. land /Govt. seed farm/Panchayat owned land/FPOs land/SHGs, CIGs/Co.Op.s land.

3. Financial Requirements- Scheme Target & Achievement

Year	Financial (Rs. in Crores)		Physical	
	Target	Achievement	Target	Achievement
2019-20	24.60	7.33	41	12
2020-21	16.93	..	21	..

Crop Pest Surveillance and Advisory Project (CROPSAP)

1. Introduction :- Abrupt rainfall and long dry spell leads to change in weather conditions favourable for onset and spread of pest and diseases causing considerable crop damage. To avoid crop losses incurred due to pest and disease attack as well as considering crop area and their economic importance, Govt. of Maharashtra under taken "Crop Pest Surveillance and Advisory Project" (CROPSAP) for management of major pests of soybean, cotton, paddy, tur and gram crops in the state since 2009-10. Initially project was funded under Rashtriya Krishi Vikas Yojna (RKVY), however considering its utility project has been implemented through regular State plan from 2013-14.

2. Objectives :-

1. To train farmers for pest identification and integrated pest management.
2. Mass awareness creation about pest infestation and their control measures thereby enhancing production by avoiding economic losses.
3. Scientific pest surveillance of Soybean, Cotton, Paddy, Tur, Maize, Sorghum Sugarcane Gram crops and suggesting real time appropriate plant protection advisories to farmers.
4. Ensure timely availability of critical inputs in hot spot areas.
5. Avoid economic losses of farmers due to pest disease epidemics.
6. Statistical data generation for important pest and finalize their long term control measures with the help of State Agriculture Universities.
7. To suggest control measures for major pest with regular surveillance of Soybean, Cotton, Paddy, Tur, Maize, Sorghum, Sugarcane and Gram crops, finalize plant protection recommendations and train the farmers as well as field functionary with support of National Research Centre for Integrated Pest Management (ICAR), New Delhi, Central Institute of Cotton Research, Nagpur, Central Research Institute for Dryland Agriculture, Hyderabad; National Institute for Plant Health Management, Hyderabad.

3. Project area :- *kharif* : All sown area under Soybean, Cotton, Paddy, Tur, Maize, Sorghum and Sugarcane crops in the state.

Rabi: All sown area under Gram, Jowar & Maize crop in the state excluding Konkan division.

Budget :-	Rs. in Lakh			
	2019-20		2020-21	2021-22
Sanctioned provision	Funds released	Actual expenditure	Sanctioned provision	Proposed provision
2000.00	2000.00	1769.58	5000.00	5500.00

4. Major components :-

- (1) Pest surveillance, advisory and integrated management.
- (2) Mass awareness creation about pest and diseases.
- (3) Availability of critical inputs to farmers on 50% subsidy in pest epidemic situation.

5. Project Stateholders :-

- (1) State Agriculture Department of Maharashtra
- (2) National Research Centre for Integrated Pest Management, New Delhi
- (3) Central Institute of Cotton Research, Nagpur
- (4) Central Research Institute for Dryland Agriculture, Hyderabad

- (5) Vasantnao Naik Marathawada Agriculture University, Parbhani
 (6) Mahatma Phule Agriculture University, Rahuri
 (7) Dr. Panjabrao Deshmukh Agriculture University, Akola
 (8) Dr. Balasaheb Sawant Konkan Agriculture University, Dapoli
 (9) National Institute for Plant Health Management, Hyderabad
 (10) National Informatics centre, Pune

6. Area coverage and major pest for surveillance :- Area under Soybean, Cotton, Paddy, Tur, Maize, jowar gram and Sugarcane and to control the epidemic infestation of pest and diseases of other crops in the state.

Sr. No.	Crop	Area (Lakh ha)	Major pest and diseases
1.	Soybean	38.85	Spodoptera, Helicoverpa, Stem fly, Semilooper, Girdle beetle
2.	Cotton	41.84	Jassids, Thrips, Whitefly, Pink bollworm, American and Spotted Bollworm and Spodoptera
3.	Paddy	14.97	Yellow Stem borer, Army worm, Gall midge, Jassids, Blue beetle, Bacterial blight, Neck blight, Sheath blight
4.	Tur	12.76	Pod Borer, Podfly, Leaf webber
5.	Gram	14.90	Pod Borer, Wilt
6.	Maize	10.63	Fall army worm
7.	Sorghum	31.61	Fall army worm
8.	Sugar cane	9.35	White grub and Fall army worm
Total		174.91	

Strengthening of Bio Pesticide Laboratories - 2020-21

Use of bio-pesticides has first priority in IPM which reduces the use of chemical pesticide and cost of production. To encourage the use of bio-pesticide, Govt of Maharashtra has established 10 bio-control laboratories. These labs produces bio pesticides and bio fertilizers. These laboratories are situated at Aurangabad, Wardha, Amravati, Yawatmal Buldana, Dhule, Jalgaon, Parbhani, Nanded & Ahmednagar.

Production & Sale of Bio-Pesticide

Sr. No.	Particular	Unit	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1.	Trichoderma	Kg.	120899	..	..	..	..	2698
2.	Beauveria	Kg.	26348	34570	..	..	7935	..
3.	Verticilium.	Kg.	26214	44147	..	8812	12011	..
4.	Pseudomonas	Kg.	1000	..	..	..	..	..
Total			174461	78717	..	8812	19946	2698
Revenue received		Rs. in lakh	161.13	101.63		13.39	25.00	0.40

Production & Sale of liquid Bio-Fertiliser

Sr. No.	Bio Fertiliser	Unit	2017-18	2018-19	2019-20	2020-21
1.	Rizhobium	Litre	8822.40	2105.00	5784.40	34
2.	Azatobactor	Litre	5429.35	3012.25	1775.80	120
3.	Acitobactor	Litre	970	1003	1970.00	..
4.	Phosporus Solublizing Bacteria	Litre	12064	5448	7945.50	536
5.	Liquid Consortia	Litre	98886	133571	117486.50	66465
6.	Potash Moblizing Bacteria (KMB)	Litre	400	1019	..	..
Total		Litre	126571.75	146158	134962.20	67155
Revenue received		(Rs. In Lakh)	439	609.72	487.14	172.65

Strengthening of State Quality Control & Residue Testing Laboratories

(Seed Testing, Fertilizer Control, Insecticide Testing & Residue Testing Laboratories)

Aim & Information of the Scheme : There are 12 quality control laboratories viz. Seed testing, Fertiliser Control & Insecticide Testing laboratories & 2 Pesticide Residue Testing Laboratories in Maharashtra State. Information of Laboratories is as under.

1. Seed Testing Laboratory :- There are 3 Notified Seed testing laboratories in Maharashtra State situated at Pune, Parbhani & Nagpur. The Annual Testing capacity of these laboratories is 53000 samples. Samples are received to these laboratories from Quality Control Inspectors as per Seed Act, 1966 & Seed Rule 1968, Seed Certification Agency Maharashtra State Seed Corporation & Farmers.

2. Fertiliser Control Laboratory :- There are 5 Fertiliser Control laboratories in Maharashtra State situated at Pune, Nashik, Aurangabad, Amravati & Kolhapur. The Annual Testing capacity of these laboratories is 22000 samples. Samples are received from Quality Control Inspectors as per Fertiliser (Control) Order, 1985 & Farmers to these laboratories are tested. Facility of testing Bio. Fertilisers & Micro Nutrients is created in all these Laboratories.

3. Insecticide Testing Laboratory :- There are 4 Insecticide Testing laboratories in Maharashtra State situated at Pune, Thane, Aurangabad & Amravati. The Annual Testing capacity of these laboratories is 8000 samples. Sample are received from Quality Control Inspectors as per Insecticide Act, 1968 & Farmers to these laboratories are tested.

4. Pesticide Residue Testing Laboratories :- Government of Maharashtra established two Pesticide Residue Testing Laboratories at Pune & Nagpur, with the aim to test the Samples of fruits, Vegetables, Grains, Oil, Dairy products, processed food, water for its residue content.

There is huge demand of Agriculture produce in the international market. In order to export agricultural products to the international market, it is necessary to check the pesticides residue. Modern equipments in the above labs makes it possible to test the residues of different types of pesticides from a single sample.

There is no any provision of fund under RKVY scheme for Strengthening of State Quality Control & Residue Testing Laboratories during year 2020-21.

Sanctioned programme for concerned laboratories under :-

Non-Plan scheme (Budget head 2401-0305) is as follows.

Budget Provision	Supplementary demand	Administrative approval	Amount received
2525.65 Lakhs	Rs. 135.00 Lakhs	Rs. 2660.65 Lakhs	Rs. 1660.08 Lakhs (Upto Jan. 2021)

Soil Survey and Soil Testing Scheme

The Soil Testing Laboratory was established in the year 1957 and 1959 at Pune and Nagpur respectively. At present, total 31 labs (each one in a district) are implemented in the state as per G.R.No. aakruti /1298/pra kra 61/15-A, Mumbai, dated 29th May, 1998 after the re-pattern of the department with amalgamation of soil survey and soil testing. This scheme is running by District Soil Survey Soil Testing Officer at district level and Divisional Joint Director of respective division is a controlling authority. At State level, this scheme is under the dominion of Director of Agriculture (Inputs & Quality Control) with Technical Control by Deputy Director, soil survey and soil testing. The information of the scheme is as under :-

1. Soil Testing Scheme :-

Objectives of the Scheme - The main objective of this scheme is to analyse the soil sample for confirming the nutrient status in the soil and as per availability of particular nutrients, reporting of the fertilizer doses recommendation is made and if special flaws is occurred in the soil, it is to be brought in the notice of that concerned farmer by suggesting proper solution.

Soil testing property for the parameter Nitrogen, Phosphorous, Potash, pH and alkalinity is charged Rs. 35/- per sample as per policy framed since 2014-15. In spite of this, Rs. 275/- is charged for detail analysis of important physical and chemical properties of soil sample. Fertiliser recommendations for achieving more produce as per the amount of nutrients found in the soil is fixed by making the correct change in the six level process recommended by SAUs. Balanced use of fertiliser is very important for maintaining soil fertility and bumper crop production.

In the recent time, the importance of micro-nutrients has gained in the production of irrigated and horticultural crops and for that, Rs. 200/- is charged for the analysis of Zinc, Iron, Copper and Manganese (Rs.100/- for particular component). The facility for micronutrients analysis has been made available in all 31 laboratories in the state.

Rs. 50/- per water sample is charged for testing the properties like acid-alkali index, the total solubility of the soil etc. as the farmer must be aware of the water quality used for irrigation. The testing facility is made available in all laboratories.

State Plan for the State :-

(A) Soil Survey and Demonstrative Soil Analysis Laboratory Scheme :-

The grant is made available under the scheme Soil Survey and Demonstrative Soil Analysis Laboratory for maintaining daily expenditure of the laboratory, surveillance and salary/wages of all employees, laboratory rent, other contingencies etc.

The main components are as below-

- | | |
|--|---|
| 1) 01- Salary | 2) 02-Approval |
| 3) 03- Overdue Allowances | 4) 06- Telephone, Electricity & Water charges |
| 5) 11- Travelling Allowance within the country | 6) 13- Office Expenditure |
| 7) 14- Rent and Taxes | 8) 16- Publications |
| 9) 21-Goods and Supplies | 10) 27-Minor Constructions |
| 11) 51-Motor Vehicles | |

Sr. No.	Name of the scheme	Actual Expenditure 2018-19	Actual Expenditure 2019-20	Approval provision 2020-21	Proposed 2021-22
1.	(00) 101, Soil Survey Soil Testing, (00)(02) Soil Survey & Soil testing laboratory voted (2402-0032) Non-planning	2746.80	2926.12	2928.46	3281.49
2.	Agril. Growth Plan - Soil Health Card (CSS) 60:40 % Cental : State (2402 A041) (2402 A059)	2600.35	1424.47	948.75	3713.40
3.	Soil Health Mangement (Sub-mission) 60:40 % Cental : State (2402-1046) (2402 A012)	..	..	76.50	500.00

(B) Soil Health Card Scheme -

Soil Health Card Mission - Realizing the importance of soil testing, Maharashtra Government has taken a decision to provide Soil Health Card to all farmers. The current SHCs are issued for one season soil testing and to suggest recommendations for the next season. During the year 2015-16 to 2016-17, all farmers are benefited for SHCs by drawing one sample from 2.5 ha. area under irrigated land and 10.00 ha. area under rainfed and guided them accordingly for proper use of ferlisers and from the year 2015-16, Central Govt. has launched new scheme which is in the pattern of 60:40 ratio (CSS /SS).

There are total 255 soil testing laboratories in the state, out of which, 31 Govt. labs and 224 registered Non-govt. labs are running smoothly with Annual Capacity of 22.50 lakh samples testing.

In the year 2015-16 and 2016-17 (1st Cycle), total 27.22 lakh samples has been tested even the target was of 23.47 lakh and distributed SHCs to 131.45 lakh farmers.

The 2nd Cycle (2017-18 and 2018-19) of the scheme has commenced from April 2017 and total 27.82 lakh soil samples are drawn from the target of 28.52 lakh samples and total 130.53 lakh SHCs has been distributed amongst farmers out of 130.98 lakh SHCs target.

Soil Health Card (Pilot Project) during 2019-20

"Development of Model Village" is to be taken of where soil samples collection will be from individual farmer holding with farmers participation under the pilot project of Soil Health Card scheme one village per block (351) is to be adopt for holding based about 2.07 Lakh soil sample testing, for each adopted village organization of demonstration, organization of farmers mela in each adopted village for awareness creation among the farmers. Under this scheme upto 25 Feb. 2020, 2.01 lakh Soil sample tested & 2.01 lakh Soil Health Card distributed among the farmer.

For year 2019-20 GOI has sanctioned annual action plan (AAP) of Rs. 1424.47 lakh for components micronutrient, bio-fertilizer and Soil ameliorants distribution & farmer mela. In year 2020-21 SHC scheme under NMSA GOI has approved/sanctioned annual action plan of Rs. 948.75 lakh for components SHC based 1.00 ha. demonstration per village & One farmer training per village.

Soil Health Card scheme Under NMSA

Soil Health Card scheme 2020-21 -

Due to Covid-19 situation in the year 2020-21, GOI has instructed for not drawing soil samples, testing & distribution of SHC to farmers in selected 3510 village of 351 Blocks of state. However One ha SHC base demonstrations & One Farmer training will be organized in each selected village. Out of 3510 ha. demonstrations 877 ha. in Kharip season 2020-21 and remaining 2633 ha. will be conducted in rabi season of 2020-21.

(C) Soil Health Management Scheme -

The project of National Soil Health and Fertility Management has launched on National & State level since 2014-15 for promotion of Integrated Nutrients Management and Balanced Use of fertilisers which is the main theme of crop production. As this matter is fulfilled, Govt. has taken over this aspect in new manner by taking some components of this old scheme and started the scheme, Soil Health Management under National Mission for Sustainable Agriculture with 60:40 ratio (CSS:SS) and the main aspect of this scheme is as under-

1. Mobile and stable labs should be established for creating soil testing facilities.
2. Strengthening of Govt. Soil Testing Laboratories.
3. To arrange farmers training on the basis of Integrated Nutrients Management and Balanced Use of fertilisers.
4. To arrange officers & staff training on the basis of Integrated Nutrients Management and Balanced Use of fertilisers.
5. To arrange crop demonstration programme on the basis of Integrated Nutrients Management and Balanced Use of fertilisers.
6. To establish Fertiliser Control Laboratory.

Budgetary provision of Rs. 1200.00 lakh was made (Rs. 720.00 lakh Central Share & Rs. 480.00 lakh State Share) in the year 2017-18 for establishing soil testing laboratory, Setting up of Mini Lab and Strengthening of Govt. Soil & fertilisers labs etc. In the year 2018-19, total Rs. 775.20 lakh has proposed under the component of Strengthening of Govt. Soil & fertilisers labs (Rs. 465.12 lakh Central Share & Rs. 310.08 lakh State Share).

(D) Other Functions -

a) **To prepare blockwise & districtwise Fertility Index & Fertility level of principal nutrients-**
Fertility Index & Fertility level of concerned districts are fixed on the basis of samples tested in district soil survey & soil testing laboratories & private labs in that particular year. This fertility index is used for fertiliser doses recommendations and to plan organic, chemical and bio-fertilisers necessity at state level and to decide supply strategy.

b) **To confirm districtwise Decrease/shortfall level of micro-nutrients-**

Facilities of Zinc, Iron, Copper and Manganese testing are made available in each Govt. & Private laboratory and districtwise shortfall level of micronutrients are fixed which is used for micronutrient fertilisers and to guide farmers and to plan organic, chemical and bio-fertilisers necessity at state level and to decide supply strategy.

2. Progress Report -

Soil & Water Samples testing report - March 2019 Progressive Report of DSSO labs from 01/04/2018

Sr. No.	District	General Soil Samples			Micro-nutrients Samples			Special Samples			Water Samples			Revenue (Rs. in lakh)
		Target	Achie.	Tested	Target	Achie.	Tested	Target	Achie.	Tested	Target	Achie.	Tested	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
M.S.	34	200000	114866	110907	200000	132291	125771	20000	9523	9502	20000	5146	5139	37.06

Target of general and micro-nutrient samples are same.

Paddy Seed Chain Development Programme Under - RKVY 2020-21

National food security mission (Paddy) is implemented in eight districts. Instead of these districts, Paddy Chain Development Programme under RKVY 2020-21 is being implemented in another nine districts. These districts are Thane, Palghar, Raigad, Ratnagiri, Sindhudurg, Kolhapur, Sangli, Ahmednagar & Nandurbar. Eventhough the average productivity of these nine districts is higher than state average, there is further scope to increase productivity also mostly after paddy, in these districts, no other crop is taken. In these districts if paddy demonstration and after that pulses demonstrations are implemented, increased productivity is achieved and also farmers get additional income from pulses and also improvement in soil health. In this programme Distribution of certified seed, Demonstration, Seed Production FFS being implemented on project base in above nine districts.

Objectives :-

- 1) To increase area under paddy & productivity of paddy.
- 2) To increase area under paddy by using varieties having high quality proteins.

Paddy Seed Chain Development Programme Progress Report 2019-20

(Rs. In Lakhs)

Sl. No.	District	Seed Distribution																		
		Below 10 Years						Above 10 Years						Total						
		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement		Target		Achievement
Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1	Thane	750	15.00	93.50	1.490	190	1.90	240.00	2.40	940	16.90	333.50	3.89	3000	30.00	749.20	7.49			
2	Palghar	1050	21.00	869.80	17.208	266	2.66	373.75	3.737	1316	23.66	1243.55	20.945	1000	10.00					
3	Raigad	1575	31.50	1028	17.43	399	3.99	533.00	5.33	1974	35.49	1561.00	22.76	2500	25.00	854.75	8.55			
4	Ratnagiri	975	19.50	31.10	0.60	247	2.47	48.00	0.48	1222	21.97	78.10	1.08	1500	15.00					
5	Sindhudurg	975	19.50	16.00	0.3014	247	2.47	14.16	0.149	1222	21.97	30.16	0.45	1500	15.00					
	Total Thane	5325	106.50	2037	37.03	1349	13.49	1209	12.10	6674	119.99	3246	49.13	9500	95.00	1604	16.04			
6	Nandurbar	300	6.00			76	0.760	85.00	0.85	376	6.76	85.00	0.85	300	3.00					
	Total Nashik	300	6			76	0.76	85.00	0.85	376	6.76	85.00	0.85	300	3					
7	Ahmednagar	150	3.00			38	0.38			188	3.38									
	Total Pune	150	3			38	0.38			188	3.38									
8	Sangli	225	4.50			57	0.57			282	5.07									
9	Kolhapur	1500	30.00	6.75	0.132500	380	3.80	2.50	0.0250	1880	33.80	9.25	0.16	850	8.50	679.25	6.46			
	Total Kolhapur	1725	34.5	6.75	0.1325	437	4.37	2.50	0.03	2162	38.87	925	0.16	850	8.5	679.25	6.46			
10	Reg. Agri. Res. station, Karjat													300	3.00	308.00	2.9999			
11	Agri. Res. Station Shirgaon, Ratnagiri													300	3.00	185.11	2.9986			
	KKV Dapoli													600	6	493.11	5.999			
	Total Programme	7500	150	2044	37	1900	19	1296	13	9400	169	3340.56	50	11250	113	2776	28			
	Commissionerate Level																			
	Total																			

Paddy Seed Chain Development Programme Progress Report 2019-20

(Rs. In Lakhs)

Sr. No.	District	Seed Distribution												Total Financial	
		Demonstration				FFS				Fish Farming				Target Achievement	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Fin.	Fin.
1	2	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Thane	600	54.00	982.00	43.69	15	2.10	15	2.10	2	0.40	..	..	103.40	57.17
2	Palghar	..	..	..	..	17	2.38	17	2.38	2	0.40	1	0.20	36.44	23.575
3	Raigad	..	..	..	..	29	4.06	28	3.92	4	0.80	2	0.40	65.35	35.630
4	Ratnagiri	..	..	..	..	18	2.52	18	2.52	..	..	..	..	39.49	3.60
5	Sindhudurg	..	..	..	..	18	2.52	18	2.52	2	0.40	2	0.40	39.89	3.37
	Total Thane	600	54.00	982	43.69	97	13.58	96	13.44	10	2.00	5	1.00	284.57	123.30
6	Nandurbar	..	..	..	..	2	0.28	2	0.28	2	0.40	..	..	10.44	1.13
	Total Nashik	..	..	..	..	2	0.28	2	0.28	2	0.4	..	..	10.44	1.13
7	Ahmednagar	..	..	..	..	2	0.28	2	0.28	2	0.40	..	..	4.06	0.28
	Total Pune	..	..	..	..	2	0.28	2	0.3	2	0.4	..	..	4.06	0.28
8	Sangli	..	..	..	..	2	0.28	2	0.28	2	0.40	..	..	5.75	0.28
9	Kolhapur	..	..	..	..	21	2.94	21	1.38870	2	0.40	..	..	45.64	8.00120
	Total Kolhapur	..	..	..	..	23	3.22	23	1.6687	4	0.8	..	..	51.39	8.2812
10	Reg. Agri. Res. station, Kaijat	..	..	..	..	1	0.14	..	..	..	..	..	..	3.14	3.00
11	Agri. Res. Station Shirgaon, Ratnagiri	..	..	..	..	1	0.14	..	..	..	..	..	..	3.14	3.00
	Total Programme	600	54	982	43.69	126	18	123	15.67	18	3.60	5	1.00	356.74	138.99
	Commissionerate Level	..	..	..	..	..	..	..	..	..	..	..	..	3.26	1.72
	Total	..	..	..	..	..	..	..	..	..	..	..	..	360.00	140.71

Paddy Seed Chain Development Programme Annual Action Plan 2020-21

(Rs. In Lakhs)

Sr. No.	District	Seed Distribution														Total Financial Target
		Below 10 Yr.		Above 10 Yr.		Hybrid Seed		Total		Seed Production		Demonstration		FFS		
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1	Thane	210	4.20	90	0.90	9.00	0.90	309	6.00	240	2.40	60	5.40	15	2.10	15.90
2	Palghar	310	6.20	130	1.30	13.00	1.30	453	8.80	340	3.40	80	7.20	17	2.38	21.78
3	Raigad	440	8.80	190	1.90	19.00	1.90	649	12.60	500	5.00	130	11.70	29	4.06	33.36
4	Ratnagiri	270	5.40	120	1.20	12.00	1.20	402	7.80	310	3.10	80	7.20	18	2.52	20.62
5	Sindhudurg	270	5.40	120	1.20	12.00	1.20	402	7.80	310	3.10	80	7.20	18	2.52	20.62
	Total Thane	1500	30	650	6.50	65.00	6.50	2215	43.00	1700	17.00	430	38.70	97	13.58	112.28
6	Nandurbar	80	1.60	40	0.40	3.00	0.30	123	2.30	90	0.90	20	1.80	2	0.28	5.28
	Total Nashik	80	1.6	40	0.4	3	0.3	120	2.00	90	0.9	20	1.8	2	0.28	4.98
7	Ahmednagar	40	0.80	20	0.20	2.00	0.20	62	1.20	50	0.50	10	0.90	2	0.28	2.88
	Total Pune	40	0.8	20	0.2	2	0.2	62	1.2	50	0.5	10	0.9	2	0.28	2.88
8	Sangli	60	1.20	30	0.30	3.00	0.30	93	1.80	70	0.70	20	1.80	2	0.28	4.58
9	Kolhapur	420	8.40	160	1.60	17.00	1.70	597	11.70	490	4.90	120	10.80	21	2.94	30.34
	Total Kolhapur	480	9.6	190	1.9	20	2	690	13.5	560	5.6	140	12.6	23	3.22	34.92
10	Regional Agri. Res. Station, Karjat	..	..	..	..	..	..	..	..	300	3.00	..	..	1	0.14	3.14
11	Agriculture Res. Station, Shirgaon, Ratnagiri	..	..	..	..	..	..	..	..	300	3.00	..	..	1	0.14	3.14
	Total Programme	2100	42.00	900	9.00	90	9.00	3090	60.00	3000	30.00	600	54.00	126	17.64	161.64
	Commissionerate Level	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.63
	Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	163.27

Paramparagat Krishi Vikas Yojana (Organic Farming) under NMSA

Paramparagat Krishi Vikas Yojana is being implementing by funding pattern of Central & State share as a 60:40 ratio through cluster approach 50 farmers in a cluster of 50 acres of land are covered. The benefits of the scheme will be given in three consecutive years for each cluster.

Objectives of the Scheme -

Encourage the farmers for preparation of Organic Inputs on farmer's fields and supply of Organic inputs, Organic certification through Participatory Guarantee System (PGS-India), to develop organic village, to arrange trainings and demonstrations, packing labelling, branding & market management are the major objectives of this scheme.

Status of the Scheme -

In this scheme, in 1st Phase total 932 groups are formed for 40,762 beneficiaries covering 20,346 ha. area and in the 2nd Phase 326 groups are formed for 11,803 beneficiaries covering 7,160 ha. area. Total Organic Certification area covered is 3.38 lakh ha. out of that PGS-India 0.36 lakh ha. & National Programme for Organic Production 3.02 lakh ha. Total 38,392 farmers are registered on Jaivik Kheti Portal.

Physical and Financial Programme of the scheme for the year 2021-22 -

Sr. No.	Components	Groups (No.)/ Area (Ha.)	Financial Programme (Rs. Lakh)		
			Central	State	Total
1	Paramparagat Krishi Vikas Yojana (3rd Yr.)	326 Groups	572.10	381.40	953.50
2	Paramparagat Krishi Vikas Yojana (2nd Yr.)	350 Groups	728.28	485.52	1213.80
3	Krishi Kalyan abhiyan-PKVY (2nd Yr.)	20 Groups	41.61	27.75	69.36
4	Bharatiy Prakrutik Krishi Paddhati (1st Yr.)	50 Clusters	1591.20	1060.80	2652.00
5	Large Area Certification (1st Yr.)	15000 Ha.	81.00	54.00	135.00
Total		-	3014.19	2009.47	5023.66

Dr. Panjabrao Deshmukh Jaivik Sheti Mission

Dr. Panjabrao Deshmukh Jaivik Sheti Mission Scheme is being implementing by 100% State Sponsored scheme through cluster approach. 50 farmers in a cluster of 50 acres of land are covered. The benefits of the scheme will be given in three consecutive years for each cluster. In first phase the programme area will include the six distressed districts in the Vidarbha region, namely Buldana, Akola, Washim, Amravati, Yavatmal and Wardha.

Components of the Scheme - Encourage the farmers for preparation of Organic Inputs on farmers' field and supply of Organic Inputs. Monitoring System, Long term trainings, Lead resource person system, Third party Certification, Market & Sales management of Organic goods through Cluster Aggregation Centre. Farmer Producer Company concept, Primary and Secondary processing industry setting up, exit plan etc. are the main components.

Status of the Scheme : In the year 2020-21 total 350 groups are formed and in the year 2021-22 new 150 groups will be formed.

Physical & Financial Programme of the Scheme for the year 2021-22 :

Sr.No.	Components	Groups (No.)	Financial Programme (Rs. Lakh)
1	Dr. Panjabrao Deshmukh Jaivik Sheti Mission (2nd Yr.)	350 Groups	4954.35
2	Dr. Panjabrao Deshmukh Jaivik Sheti Mission (1st Yr.)	150 Groups	1708.30
Total		-	6662.65

NFSM-CC-Cotton Development Programme

National Food Security Mission-Commercial crops : This scheme was implemented since 2014-15. During 2020-21 an administrative approval to the programme of Rs. 349.83 lakhs was given by Government. The main components of the scheme are Front line Demonstration on intercropping, Trails on high Density Planting System, Front line Demonstration Integrated Crop management, Distribution of Plant Protection Chemicals & Bio agents, distribution of cotton shredders.

Objective of the scheme—

- To promote cotton based farming system with emphasis on intercropping.
- Increase production and productivity of cotton by promoting INM, IPM high density planting system in desi/straight cotton.
- To provide effective plant protection components.

Districts Covered - Buldhana, Akola, Washim, Amaravati, Yavatmal, Wardha, Nagpur, Chandrapur, Dhule, Jalgaon, Aurangabad, Jalna, Beed, Nanded, Parbhani, Ahmednagar.

COTTON DEVELOPMENT PROGRAMME UNDER NFSM - 2020-21

(Rs. In lakh)

Sr. No.	Particulars	Unit	Rate of Assistance (Rs.)	Physical		Financial	
				Target	Expected Achievement	Target	Expected Achievement
1	Front line Demonstration Integrated Crop management (ICM)	ha.	8000/ha.	140	140	11.20	11.20
2	Front line Demonstration on intercropping (Mung, Udid)	ha.	8000/ha.	310	310	24.80	24.80
3	Trails on high Density Planting System	ha.	10000/ha.	250	250	25.00	25.00
4	Distribution of Plant Protection Chemicals & Bio agents	ha.	50% of Actual Exp. max. Rs. 500/-	35188	35188	175.94	175.94
5	State level Training @ 40000/- (per batch of 20 officers/staff)	Nos.	40000/ Training	3	3	1.20	1.20
6	Local initiatives : cotton shredders	Nos	**	106	106	93.00	93.00
7	Pending claims	..	..	..	..	18.69	18.69
Total		..	..	..	..	349.83	349.83

** For SC, ST, Women Rs. 1.00 Lakh or 50% of cost for General Category Rs. 0.80 lakh or 40% of cost whichever is less.

COTTON DEVELOPMENT PROGRAMME UNDER NFSM - 2021-22 (proposed)

(Rs. In lakh)

Sr. No.	Particulars	Unit	Rate of Assistance (Rs.)	Physical	Financial
				Target	Target
1	Front line Demonstration Integrated Crop management (ICM)	ha.	8000/ha.	170	13.60
2	Front line Demonstration on Deshi & ELS Cotton Seed Production	ha.	9000/ha.	50	4.50
3	Front line Demonstration on intercropping (Mung, Udid)	ha.	8000/ha.	350	28.00
4	Trails on high Density Planting System	ha.	10000/ha.	750	75.00
5	Distribution of Plant Protection Chemicals & Bio agents Exp.max. Rs. 500/-	ha.	50% of Actual	35186	175.93
6	State level Training @ 40000/- per batch of 20 officers/staff)	No.	40,000/ Training	3	1.20
7	Online pest monitoring & advisory system (OPMAS)		Project Based Programme	..	35.00
8	Local initiatives : cotton shredders	No.	**	138	125.00
Total				..	458.23

** For SC, ST, Women Rs. 1.00 Lakh or 50% of cost for General Category Rs. 0.80 lakh or 40% of cost whichever is less.

NFSM-CC-Sugarcane Development Programme

Sugarcane is a principle commercial crop grown in Maharashtra. Normal area 2012-13 to 2016-17 covered under sugarcane crop in the state is 9.05 lakh ha. Normal productivity 2012-13 to 2016-17 is about 83 MT/ha. During 2020-21 an administrative approval to the programme of Rs. 402.50 lakhs was given by Government. The main components of the scheme are Demonstration on intercropping and single bud chip technology, Tissue culture raised seedlings, distribution of sugarcane Leaf shredders.

Main Objective of the scheme

1. To promote sugarcane based cropping systems through intercropping, chip bud technology, paired row system etc.
2. To increase sugarcane productivity in project area with the joint efforts of the State Agriculture Department, Sugarcane factories, SAU's and Research Institutes.
3. Effective implementation for the spread of agriculture research and technologies.

Districts Covered- Aurangabad, Jalana, Beed, Latur, Osmanabad, Nanded, Hingoli, Parbhani, Ahmednagar, Pune, Solapur, Satara, Sangli, Kolhapur.

Sugarcane Development Programme under NFSM Commercial Crops 2020-21

(Rs. in lakh)

Sr. No.	Particulars	Unit	Rate of Assistance (Rs.)	Physical		Financial	
				Target	Expected Achievement	Target	Expected Achievement
1	Demonstration on inter-cropping and single bud chip technology with Sugarcane	ha.	9000/ha	2450	2450	220.50	220.50
2	Production of tissue culture raised plantlets/ seedlings	ha.	3.5 per seedling	2.19 lakh	2.19 lakh	7.68	7.68
3	State level training (20 Officials X 2 days)	Nos.	40000/ Training	4	4	1.60	1.60
4	Distribution of plant protection chemicals and Bio-agents	ha.	Cost of 50%	4214	4214	21.07	21.07
5	Local initiatives : sugarcane Leaf shredders	Nos.	**	46	46	52.00	52.00
6	Pending claims			..	..	99.65	99.65
Total						402.50	402.50

** For SC, ST, Women Rs. 1,25,000/- unit or 50% subsidy and for General Category Rs. 1,00,000/- unit or 40% subsidy whichever is less.

Sugarcane Development Programme under NFSM Commercial Crops 2021-22 (proposed)

(Rs. in lakh)

Sr. No.	Particulars	Unit	Rate of Assistance (Rs.)	Physical	Financial
				Target	Target
1	Demonstration on Inter-cropping and single bud chip technology with Sugarcane	ha.	9000/ha.	4800	432.00
2	Production of tissue culture raised lantlets/ seedlings	ha.	3.5 per seedling	2.64 lakh	7.93
3	Assistance for breeder seed production	ha.	40000 per ha.	10	4.00
4	State level training (20 Officials X 2 days)	Nos.	40000/ Training	4	1.60
5	Distribution of plant protection chemicals and Bio-agents	ha.	Cost of 50%	4954	24.77
6	Local initiatives : sugarcane Leaf shredders	Nos.	**	54	60.00
Total				..	530.30

** For SC, ST, Women Rs. 1,25,000/- unit or 50% subsidy and for General Category Rs. 1,00,000/- unit or 40% subsidy whichever is less.

Rashtriya Krishi Vikas Yojana - Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RAFTAR)

Rashtriya Krishi Vikas Yojana was initiated in 2007 as an umbrella scheme for ensuring holistic development of agriculture and allied sectors by allowing states to choose their own agriculture and allied sector development activities as per the district/state agriculture plan.

The scheme has come a long way since its inception and has been implemented across 11th and 12th five year plan. During this period projects were implemented in the sectors of crop development, horticulture, agricultural mechanization, natural resource management, marketing & post-harvest management, animal husbandry, dairy development, fisheries, extension etc. Till 2013-14, the scheme was implemented as an Additional Central Assistance (ACA) to State Plan Scheme with 100% central assistance. It was converted into a Centrally Sponsored Scheme in 2014-15 also with 100% central assistance. Since 2015-16, the funding pattern of the scheme has been altered in the ratio of 60:40 between Centre and States. From 2017-18 the Funding received in the proportion of General SC & ST Categories.

Based on feedback received from States, experiences garnered during implementation in the 12th Plan and inputs provided by stakeholders, RKVY guidelines have been revamped as **RKVY-RAFTAR-remunerative Approaches for Agriculture and Allied sector Rejuvenation** to enhance efficiency, efficacy and inclusiveness of the programme for the remaining period of the Fourteenth Finance Commission.

Objectives-

1. Aims at making farming a remunerative economic activity through strengthening the farmers' effort, risk mitigation and promoting agri-business entrepreneurship.
2. To strengthen the farmers' efforts through creation of required pre and post-harvest agri-infrastructure that increases access to quality inputs, storage, market facilities etc. and enables farmers to make informed choices.
3. To provide autonomy, flexibility to States to plan and execute schemes as per local/farmers' needs.
4. To promote value chain addition linked production models that will help farmers increase their income as well as encourage production/productivity.
5. To mitigate risk of farmers with focus on additional income generation activities - like integrated farming, mushroom cultivation, bee keeping, aromatic plant cultivation, floriculture etc.
6. To attend national priorities through several sub-schemes.
7. To empower youth through skill development, innovation and agri-entrepreneurship based agribusiness models that attract them to agriculture.

As per revised RKVY RAFTAR guide lines fund Allocation pattern

Sr. No.	RKVY RAFTAR allocation (in 60:40 Sharing pattern)	Percentage of allocation
I	Regular RKVY allocation for FY 2018-19	70
1	A Infrastructure and Assets	50
	i. Pre-harvest Infrastructure (PH)	20
	ii. Post-harvest Infrastructure (POH)	30
	iii. General Infrastructure (GI)	50
	B Value addition linked production projects (PPPIAD) (Agri Business)	30
	C Flexi fund (Production) (P)	20
	Total (A+B+C)	70
2	Special Sub - Schemes	20
3	Innovative and Agril - Entrepreneurship Development	10
	Total (1+2+3)	100

In the RKVY, the State Agricultural plan has been prepared from comprehensive district agricultural Plan for the development of Agriculture and Agriculture Allied sector in each district. Infrastructure Development Plan has been included in the 12th Five Year Plan. While preparing the plan, not only agriculture but also including agriculture allied department like Animal Husbandry, Fisheries, Dairy, Minor Irrigation, Water Conservation and Co-operative Departments, Sericulture etc. keeping in view the natural resources and technology possibilities in each District combined together. It has now been instructed to submit the revised projects of the state for the period 2017-18 to 2019-20 to be included in C-DAP. Action is being taken as per instruction from Gol.

Under RKVY upto 2014-15 -100% central assistance was given. Since 2015-16, the funding pattern of the scheme has been altered in the ratio of 60:40 between Central : State targetting 4% GDP in Agriculture and Agriculture allied department. State has given liberty to select projects as per state need, as per natural resources available at state & District level.

Since from 2007-08 to 2019-20, State level sanctioning Committee given sanction to different project .submitted by Agriculture & Agriculture allied department & funds are made available to them as per received from Government. Project wise detail is as follow. Upto 1st February, 2021.

Year wise Financial abstract from 2007-08 to 2020-21

(Rs. In crore)

Sr. No.	Year	Project Cost Sanction by SLSC	Fund Sanctioned by GOI	Central (60%)	State (40%)	Total	Expenditure	UC Submitted
1	2007-08	132.10	128.20	..	..	128.20	128.20	128.20
2	2008-09	388.87	261.77	..	..	261.77	261.77	261.77
3	2009-10	409.81	404.39	..	..	404.39	404.39	404.39
4	2010-11	1074.35	653.00	..	..	653.00	653.00	653.00
5	2011-12	1198.52	727.67	..	..	727.67	727.67	727.67
6	2012-13	763.71	1058.58	..	..	1058.58	1058.58	1058.58
7	2013-14	849.71	1014.22	..	..	959.69	959.69	959.69
8	2014-15	1063.46	1025.99	..	..	942.09	942.09	942.09
9	2015-16	1212.21	730.00	438.00	292.00	730.00	730.00	730.00
10	2016-17	442.34	708.00	250.91	167.27	418.18	418.18	418.18
11	2017-18	1408.26	650.02	398.61	265.74	664.35	664.35	664.35
12	2018-19	290.08	406.75	244.06	162.70	406.76	404.57	404.57
13	2019-20	332.70	418.44	245.59	163.73	409.32	347.61	340.78
14	2020-21	8.12	478.90	84.48	56.32	140.80	24.00	..
TOTAL		9574.96	8665.13	1661.65	1107.76	7904.08	7722.20	7693.27

Note- 1. Up to 2014-15 100% Central assistance

2. From 2015-16 Submitted Funding Pattern 60:40 Central : State.

RKVY Agency Wise Project Sanction for 2020-21

Sr. No.	Name of Agency/Project	Sanction Year
1	Agriculture Awareness Programme 2019-20	2019-20
2	Paddy Seed Chain Development Programme	2019-20
3	Construction of new Irrigation Well for Scheduled caste and Scheduled Tribes farmer having annual income up to Rs. 1.50 lakh.	2019-20
i Director (Extension)		
4	Strengthening of Quality Control & Residue testing laboratories in Maharashtra State to obtain the membership of International organizations of Seed testing (ISTA) & maintaining NABL accreditation.	2017-18
5	Establishment of Biological Control Laboratory for mass production of bio-agents against sugarcane insect pests and diseases and dissemination of technology for enhanced cane and sugar productivity in Maharashtra (IISR, Lucknow).	2017-18
6	Development of demonstration cum seed/planting material production areas of forage crops at government fields/TSF in different agro-climatic conditions of Maharashtra.	2017-18
7	Mechanization Project under 'Unnat Sheti - Samrudha Shetkari' Campaign.	2018-19
8	Agriculture Mechanization Project.	2019-20
ii Director (Q. C.)		
9	Development of high-tech Horticulture Government Nursery.	2017-18
10	Strengthening of Hortinet Treceability System for export of Fresh Fruit & Vegetables.	2017-18
11	Production of grafts seedlings on Govt. Nurseries.	2018-19
iii Director (Horticulture)		
12	Construction of training/conference hall at KVK Ghatkhed, Amravati.	2018-19
iv Director (ATMA)		
13	Jaggery (Shrikant Agro Industries)	2015-16
14	Turmaric mechanization and post-harvest management project	
15	Development of multi chamber and multi commodity cold storage with export assisting infrastructure and processing unit at Vashi, Navi Mumbai.(NAFED).	2017-18
v Director (Planning & Processing)		
16	Low cost Onion Storage Structure.	2018-19
17	Financial assistance for protected cultivation.	2018-19
18	Value chain intervention in Onion through Building Storage Structure (<i>Nafed- MahaFPC</i>) :	2018-19
19	Value chain development for Fruits and Vegetables (<i>M/S. Sahyadri Farmers Producer Company Ltd. Nashik</i>) :	2018-19
20	Financial assistance for protected cultivation	2019-20
21	Grading, sorting and aseptic processing of fruits and vegetables linked with backward integration.	2019-20
22	Punya Shloki Ahilyabai Holkar Nursary Scheme (NHM)	2020-21
vi MD (MSHMPB)		
23	To set up Phosphate Rich Orgaic Manure (PROME) at Morshi Dist. Amravati	2019-20
vii MD (MAIDC)		
1 Commissioner Agriculture		
24	Irrigation water requirement advisory service (IWRAS) project.	2014-15
25	Farmer FIRST	2015-16
26	Establishment of lift irrigation scheme for optimization of sustainable seed production programme at the university campus of MPKV, Rahuri.	2017-18
27	Development of master trainers on carbon management in sugercane soils.	2018-19
i Mahatma Phule Krishi Vidyapeeth, Rahuri		
28	Transfer of integrated crop management and technologies developed by PDKV Akola.	2015-16

Sr. No.	Name of Agency/Project	Sanction Year
ii Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola		
29	Innovative Water Resources development for enhancing the Agriculture productivity.	2014-15
30	Strengthening of Laboratory at Khar Land Research Station, Panvel and capacity building of farmers in soil health and fish production.	2017-18
iii Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli		
2 MCAER (SAUs)		
31	Infrastructure Development in APMC Karjat.	2017-18
32	Infrastructure Development in APMC Jamkhed.	2017-18
33	Setting up of godowns in 108 APMCs for implementing agriculture produce pledge loan scheme in the state of Maharashtra.	2017-18
3 MD (Maharashtra State Agriculture Marketing Board)		
34	Development of multi chamber cold storage with PHM infrastructure & processing unit at 8 centers in MSWC. (Proposed for received proposal 27 SLSC)	2017-18
35	Development of storage facility by establishment of warehousing infrastructure, online trading facility and easy finance through mortgage of warehouse receipt at 10 centers.	2017-18
36	Strengthening of storage facility in Vidharbha and Marathwada region at 10 centers in Maharashtra.	2017-18
38	A Perishable Complex for Import/ Export, At Dronagiri node JNPT, Mumbai.	2017-18
39	Up gradation of flooring of warehousing infrastructure at various centers all over Maharashtra & concrete roads in W H complexes in districts of Gadchiroli, Bhandara, Gondia & Chandrapur.	2017-18
40	Upgradation of Warehousing Infrastructure with replacement of A C sheet roofing by Galvanized sheet Roofing, grill, rolling shutter, approach road, compound wall, apron gutter and Warehousing Infrastructure for Direct Marketing for tribel area.	2018-19
41	Upgradation of Warehousing Infrastructure by providing approach concrete road & apron gutter, compound wall, shelter shed for farmers/hamals in Vidarbh & Marathwada.	2019-20
4 MD (Maharashtra State Warehousing Corporation)		
42	Creation of BSL-III Laboratory for Avian Influenza and other Zoonotic pathogens at Disease Investigation Section, Aundh, (DIS).	2016-17
43	Strengthening & Modernization of Teaching Veterinary Clinical Complex. Diagnostic Laboratory & Establishment of Training center at college of Veterinary & Animal Science (Parbhani- Rs. 4.59 Cr, Nagpur - Rs. 6.91 Cr, Mumbai - Rs 5.00 Cr).	2016-17
44	Centre of excellence for Genetic improvement for KVK Baramati.	2017-18
45	Dairy development programme in Vidharbha & Marathwada Region.	2017-18
46	Establishment of incinerator facility for upgradation of QC at IVBP, Pune.	2017-18
47	Establishment of commercial small animal breeding centre under GMP norms at IVBP, Pune.	2017-18
48	Improving A. I. Delivery System	2018-19
49	PPP goat farming project at Solapur district by Srujan Organic commodities Pvt. Ltd. Solapur.	2019-2020
5 Commissioner (Animal Husbandary)		
50	Modernization and Capacity enhancement of dairy unit of Jalgaon district coop, milk union.	2016-17
51	Modernization and Capacity enhancement of the milk processing and by product unit of Jalgaon district coop, milk union.	2016-17
52	Expansion & modernization of 50 TLPD milk processing plant to 1 LLPD and to set up 2 milk chilling centers of 10 TLPD of Sampatrao Deshmukh Co-op, Milk union, Kadepur, Sangli.	2017-18
53	Expansion of existing Dairy Processing Plant from 30 TLPD to 1 LLPD, Marathwada Agro Process farmer Producer company Ltd. Kalamb Dist. Osmanabad	2019-20
54	Construction of new Dairy Processing Unit of 10 TLPD, Dattasai Multi State Co-op. Milk & Milk Products Ltd., Chilwadi Tal: & Dist: Osmanabad.	2019-20

Sr. No.	Name of Agency/Project	Sanction Year
55	Construction of new Dairy Processing Unit of 25 TLPD, Rajamrut Multistate Co.op. Milk Union Ltd., Phulambri, Dist. Aurangabad	2019-20
56	Financial assistance under the scheme of RKVY Yojana for establishment of Dairy unit and other allied items at shri. Tatyasaheb Korenagar, at Warnanagar Dist Kolhapur.	2019-20
57	Setting up of BMC along with AMC & Milk Processing Plant 100 TLPD capacity M/s. Subhash Anna Kul Co-op. dudhutpadak & processing Ltd. Galandwadi, Tal. Daund, Dist. Pune.	2020-21
	6 Commissioner (DD)	Total
58	Providing infrastructure & post harvesting facility to fishermen at 6 fish landing centers	2016-17
59	Renovation of Fish seed Production Centre	2017-18
60	Establishment of Brood Bank for quality Fish Seed Production in Maharashtra	2017-18
61	Pilot Project of Fish Feed Mill Plant	2017-18
62	Assistance to the Fishermen Seed Production Centre & Portable Hatcheries.	2017-18
63	Assistance to inland Fish fanner for Fingerling Rearing	2017-18
64	Mesh Size Regulation at Cod End for Sustainable Fishing in Marine Sector	2017-18
65	Bivalve (Mussel) / Oyster Culture in Sea Water(name change)	2017-18
	7 Commissioner (Fisheries)	Total
66	Development of Cocoon Market at Jalna	2016-17
67	Centre for Development of Reshim Park at Solapur.	2016-17
	8 Director (Sericulture)	Total

Chief Minister Agro and Food Processing Scheme

Chief Minister Agro and Food Processing Scheme launched *vide* G.R. 20th June 2017 from financial year 2017-18 for next 5 years, and Government of Maharashtra provides budget of Rs. 50.00 crore per annum. This scheme involves processing units of fruits, vegetables, cereals, pulses, oilseed products etc.

Components of scheme- Three components are involved under this scheme,

- **Component 1** - Establishment of Agro and Food processing units, their up-gradation and modernization.
- **Component 2** - Cold Chain Scheme.
- **Component 3** -Generation and Development of training manpower.

Financial demand for year 2020-2021 and 2021-22 proposed programme of Chief Minister Agro and Food Processing Scheme

(Rs, in Lakhs)

Sr. No.	Year	Financial Demand	Remark
1	2020-21	6000.00	Out of 6000.00 lakh budgetary Provisions, Received administrative approval to Rs. 1980.00 lakhs out of this Rs. 1200.00 lakhs grants received.
2	2021-22	8000.00	Proposed Plan

Buffer stocking of Chemical fertilizers.

1. Object of the Scheme -

To avoid fertilizer shortage during Kharip & rabi season, buffer stock of fertilizers is made through Nodal agency.

2. Subject of scheme -

1) MAIDC, Maharashtra State Co-operative Marketing Federation and Vidarbha Co-operative Marketing Federation are the nodal agencies. Bank guaranties is given to them for fertiliser purchase.

2) Expences on transport of fertiliser, loading and unloading of fertiliser in godowns are given to these agencies.

3. Brief note of scheme - If, required allocation of chemical fertilizer is not. made by GOI during Kharif or Rabi season, then there is possibility of shortage of fertilizer. To avoid this, buffer stocking of fertilizer is required. Accordingly decision about buffer stocking is taken by Cabinet Subcommittee constituted for this purpose.

4. Rs. 1000.00 lakhs has been Sanctioned for the year 2020-21.

Rs. 1000.00 lakhs has been proposed for the year 2021-22.

National Mission for Sustainable Agriculture Under Rainfed Area Development (RAD)

National Mission for Sustainable Agriculture is initiated by the Central Government from the year 2014-15. This mission includes **Rainfed Area Development (RAD)** component.

In Maharashtra, 83% net sown area is under rainfed agriculture. About 52% area is draught prone which is characterized by inadequate and erratic rainfall coupled with high evapo-transpiration rate, eroded soils and high frequency of draught year. Considering this facts, it is very important for Maharashtra to concentrate on Development of rainfed area to utilize the natural resources optimally in sustainable manner so as to provide livelihood and economic stability to farmers.

Rainfed agriculture is risk prone activity, mainly due to its dependence on climate and recent extreme climate change events are creating panic situation of the farmers. To minimize the risk providing agriculture based income generating opportunities and sustaining the rainfed agriculture through optimum utilization of potential of natural resources and resources created through various interventions, in this context RAD component have special significance to Maharashtra.

Rainfed Area Development is one of the four components under National Mission For Sustainable Agriculture (NMSA) which is being implemented from the year 2014-15 in the State.

*** Objectives of Project Rainfed Area Development (RAD) :**

- To utilize potential of natural resources in rainfed area.
- To minimize the adverse impact of possible crop failure due to draught, flood or uneven rainfall distribution.
- Restoration of confidence in rainfed agriculture by creating sustainable employment opportunities.
- Enhancement of farmer's income and livelihood support for reduction of poverty.

• Component Included in Rainfed Area Development (RAD)

1. Integrated Farming System -

- a. Crop based farming System
- b. Horticulture Based Farming System
- c. Dairy Based Farming System
- d. Other Livestock Based Farming System
- e. Agro- Forestry / Silvi Pastural Based Farming System

2. Value Addition and Farm Development Activities -

- a. Apiculture (Bee Keeping)
- b. Silage making
- c. Post harvest & Storage/value addition of NTFP
- d. Water Harvesting and Management
- e. Vermi compost Units/organicinput production unit, green manuring
- f. Green house & Low Tunnel poly house
- g. Farmers Training & Field Visit.

Progress of Scheme 2019-20

(Rs. Lakhs)

Sr. No.	Central / State Sponsored Scheme	Sanctioned Programme	Available Grants	Expenditure
1.	Rainfed Area Development under National Mission For Sustainable Agriculture(RAD) 2019-20	4333.33	3301.41	1575.73

Planning 2020-21 & 2021-22

(Rs. Lakhs)

Sr. No.	Central / State Sponsored Scheme	Sanctioned Programme	Available Grants		Expenditure	
			Central Share	State Share	Central Share	State Share
1	2	3	4	5	6	7
1.	Rainfed Area Development (RAD) under National Mission For Sustainable Agriculture (NMSA) 2020-21	3166.67	1197.43	798.29	635.07	425.60
2.	Rainfed Area Development (RAD) under National Mission For Sustainable Agriculture(NMSA) 2021-22	4789.00 (Proposed)	0.00	0.00	0.00	0.00

Gender Budget

To bring the equality into men and women and abolish the gap between men and women and abolish the difference between both is part of planning of the state. For reflecting this in gender budget it is essential to increase the involvement of women in the economically and to make the available chances to women and to make them self sufficient to increase education, professional ability and health and status and involvement in the planning process and economic evaluation the women should be considered separately.

It is very difficult to give benefit to women in the Agriculture schemes as the major land owners are men. So that the women do not get personal benefit. Though the right of land owners are men, most of the agriculture work like sowing, weeding, harvesting and picking work is carried out by women. The work of dairy business is also done by women. When we compare women in the rural and urban area in the rural area women work from 6 a.m. to 10 p.m. almost 12-14 hours even though their works not appreciated.

No directly women are benefited and they are not land holders. Central and States Govt. sponsored schemes, State level Schemes, TSP, OTSP and Tribal schemes like wise 75-80 schemes are implemented by the agriculture department.

The women should be given minimum 30% benefit is mentioned in guidelines of the schemes which are communicated to the field level officers. Due to following reasons at field level, 30% direct benefit is not given to the women farmers.

- A) Though women are engaged in the most of Agriculture work, land holders are usually men hence women are not taken in the records of beneficiaries.
- B) The schemes are implemented as per local needs. Due to terms and conditions and in some times women are not in position to give beneficiaries share of subsidy, though the right of land is of women under this condition benefit for women is not possible and for this separate budget is possible for women.
- C) In the projects/schemes of local needs where land holding is not necessary for personal benefit *e.g.* farmers training, farmers field school, farmers study tour, hand operated implements for this preference is given to women farmers.

Measures for involvement of women in the Agriculture department Scheme.

1. Increasing the subsidy rate in the current Agriculture schemes for women farmers *i.e.* green house 50%, 100% subsidy is given under fruit cultivations schemes. Under these circumstances if the subsidy for green house to women farmers is increased from 50% to 75%, it will be useful for women if the land is transferred in the name of women. 100% subsidy is given under the scheme fruit cultivation.
2. To bring the flexibility in the terms and conditions while implementing of Agriculture department schemes for women.
3. Though the right of land is in the name of beneficiaries women, due to poor economic condition the ladies beneficiaries is unable to give beneficiaries share under this situation if the beneficiaries contribution is made available by Govt. in separate budget head then benefit will be given to women for state share and subsidy.
4. Under the MHADA scheme the right of houses is given to both wife and husband. If same rule is permitted in revenue Dept. and the right of land in proportionate is given to wife and husband the women beneficiaries will get benefitted under various schemes.

New Initiatives Scheme

The Agriculture processing scheme is newly started in the agriculture department. As on today only 2 to 3% processing is done on agriculture produce. In European and American Countries about 40% processing is done on agriculture produce.

There is big scope in India and in the State for agriculture produce process. Under this situation if the benefit of agriculture processing and schemes of horticulture is given to the women farmers then economic condition of women will be increased. Women like the work of agriculture processing. If encouragement is given, then their economic condition will be improved e.g.-Dal Mil, Oil expeller, Chilli kandap Machine, Fruit processing machine. If these types of machines are made available, then women farmers will be make in economic improvement. In this condition the processing training will also useful to the women farmers to prepare spices, Making of papad, Sugar mango, Gulamba, preparation of various Jams, Jelly. In this types of work the womens have special liking. If the benefits in this regards is made available to women farmers of rural areas then due to this there will be encouragement to value addition chain. At present soil and water testing assistance is given for encouragement to the farmers. If in this type of testing 100% assistance is given to the women farmers than they will be definately benefitted.

Gender budget

1. 30% of Grants made available through Central and State scheme should be used for gender budget.
2. 30% of total funds should be used for women beneficiaries only.
3. The 7/12 and 8-A record should be owned by women farmers then the benefit of Agril. schemes will be easily made available to the women farmers.
4. 100% subsidy should be given by Agriculture processing and Agriculture supplementary bussiness.
5. Compulsion should be made to women farmers for 100% subsidies in the scheme of drip/sprinkler irrigation and NHM and Central Govt. Schemes.
6. Compulsion should be made to provide loan on 4% interest by financial institutes/Nationalised banks and Co-operative banks to women farmers on personal credit.
7. The space for sale of Agriculture produce should be made availbale by municipal and Nagar Parishad to the women farmers.
8. The space in the Government premises should be made available for the women farmers.
9. 100% subsidy should be provided for poultry and sheep business for women farmers.
10. Foreign study tour on 100% subsidy for women beneficiaries should be made available.

NATIONAL FOOD SECURITY MISSION

(Rice, Wheat, Pulses, Coarse Cereals-Maize and Nutri- Cereals)

The National Development Council (NDC) in its 53^{ed} meeting held on 29th May, 2007 adopted a resolution to launch National Food Security Mission to increase production of Rice, Wheat, Pulses by the end of 11th FYP. Increasing production through area expansion and productivity enhancement, Restoring soil fertility and productivity are the main objectives of this Mission. The Mission is continued during 12th FYP. From the year 2018-19 as per revised guideline Coarse Cereals-Maize and Nutri- Cereals crops are included in this Mission. District Covered under this Mission.

District Covered

Rice : Nashik, Pune, Satara, Nagpur, Bhandara, Chandrapur, Gadchiroli (8 Districts)

Wheat : Solapur, Beed, Nagpur. (3 Districts)

Pulses : All District in Maharashtra State (34 Districts).

Coarse Cereals (Maize) : Aurangabad, Nashik, Jalgaon, Dhule, Ahmednagar, Jalna, Sangali (7 Dist.).

Nutri-Cereals

(Jawar, Bajara, Ragi & Small Millets) : Ahmednagar, Akola, Amaravati, Aurangabad, Beed, Buldhana, Dhule, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Nanded, Nandurbar, Nashik, Osmanabad, Parbhani, Pune, Raigad, Ratnagiri, Sangali, Satara, Solapur, Thane, Washim, Yavatmal (26 Districts.)

(A) National Food Security Mission Pulses-Progress Report-2019-20

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	NFSM Pulses			
				Target		Achievement	
				Physical	Financial	Physical	Financial
1 Demonstrations on improved Technologies							
<i>A) Cluster Demonstrations</i>							
i)	Tur	9000	Ha.	3047	248.583	2362	128.102
ii)	Moong	9000	Ha.	6350	494.114	6323	312.806
iii)	Udid	9000	Ha.	2980	248.882	27358	114.328
iv)	Gram	9000	Ha.	8515	753.090	18382	1446.191
Sub Total Cluster Demonstrations				20892	1744.669	29802	2001.847
B) Inter Cropping system based Demonstrations							
	Soyabean + Tur	9000	Ha.	22380	1959.970	24460	1700.760
C) Cropping system based Demonstration							
i)	Moong-Rabi Jowar	15000	Ha	840	111.958	770	50.659
ii)	Moong-Wheat	15000	Ha	510	70.490	720	67.789
iii)	Udid-Rabi Jowar	15000	Ha	1530	213.100	1000	68.778
iv)	Udid-Wheat	15000	Ha	500	71.570	605	59.379
v)	Kh. Jowar-Gram	15000	Ha	4790	709.303	3643	366.140
vi)	Bajra-Gram	15000	Ha	1820	270.080	1740	210.544
vii)	Rice-Rabi Pulses	15000	Ha	1105	98.763	1207	91.899
Sub Total of Cropping system based Demo.				Ha 11095	1545.265	9685	915.189
Sub Total 1 (A) to 1 (C)				Ha 54367	5249.904	63947	4617.385
2 Production & Distributions of HYV's Seeds							
<i>A) Distribution of HYV's Seeds (less than 10 years)</i>							
i)	Tur	5000	Qtl	1826	91.298	1741	87.025
ii)	Moong	5000	Qtl	710	35.502	675	33.740
iii)	Udid	5000	Qtl	7	0.347	7	0.325
iv)	Gram	5000	Qtl	39734	1390.685	95335	1357.477
Sub Total 2 (A)				Qtl 42277	1517.831	97757	1478.567
<i>B) Distribution of HYV's Seeds (older than 10 years)</i>							
i)	Tur	2500	Qtl	943	23.564	881	22.016
ii)	Moong	2500	Qtl	66	1.651	64	1.608
iii)	Udid	2500	Qtl	565	14.127	539	13.483
iv)	Gram	2500	Qtl	99036	2475.900	38951	2370.109
Sub Total 2 (B)				Qtl 100610	2515.242	40436	2407.215
Sub Total 2(A) to 2 (B)				Qtl 142886	4033.073	138193	3885.782
<i>C) Assistance for seed Production (less than 10 years)</i>							
i)	Tur	5000	Qtl	4156	103.892	4174	104.107
ii)	Moong	5000	Qtl	3674	91.838	3729	93.229
iii)	Udid	5000	Qtl	396	9.899	396	9.898
iv)	Gram	5000	Qtl	57633	1440.817	57239	1430.962
Sub Total 2 (C)				Qtl 65858	1646.446	65538	1638.395
3 A) Soil Management							
i)	Micronutrients	500	Ha	40464	202.320	19016	92.944
ii)	Gypsum / Sulphur 90 WDG	750	Ha	20501	153.758	6358	46.321
iii)	Biofertilizer	300	Ha	89998	269.994	78141	158.747
Sub Total 3 (A)				150963	626.072	103515	298.011

National Food Security Mission Pulses-Progress Report-2019-20 (Contd.)

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	NFSM Pulses			
				Target		Achievement	
				Physical	Financial	Physical	Financial
B) Plant Protection Management							
i)	Distribution of PP Chemicals	500	Ha	329904	1632.655	365041	1735.495
ii)	Weedicides	500	Ha	40947	204.735	10765	53.578
Sub Total 3 (B)			Ha	270581	1837.390	375806	1789.073
Sub Total 3(A) to 3 (B)			Ha	521814	2463.462	479321	2087.084
4 Flexi Components							
<i>A) Farm Implements & Equipments</i>							
i)	Seed Drill (Tractor Driven above 35 bhp) (SC/ST/S&M/ Women)	20000	Nos.	421	84.200	1183	222.008
ii)	Seed Drill (Tractor Driven above 35 bhp) (Other Farmers)	16000	Nos.	289	46.240	654	104.196
iii)	Ridge Furrow Planter (Tractor Driven above 35 bhp) (SC/ST/S & M/Women)	75000	Nos.	350	262.500	85	50.696
iv)	Ridge Furrow Planter (Tractor Driven above 35 bhp) (Other Farmers)	60000	Nos.	421	252.600	89	47.026
v)	Rotavator (Tractor Driven above 35 bhp) (Above 20 to 35 BHP) (SC/ST/S & M/ Women)	50400	Nos.	785	395.292	1508	637.243
vi)	Rotavator (Tractor Driven above 35 bhp) (Above 20 to 35 BHP) (Other Farmer)	40300	Nos.	636	255.687	930	350.872
vii)	Multi Crop Thresher (Tractor Driven above 35 bhp) (SC/ST/S & M/ Women)	250000	Nos.	180	450.00	570	508.275
viii)	Multi Crop Thresher (Tractor Driver above 35 bhp) (Other Farmers)	200000	Nos.	217	430.695	588	474.232
ix)	Power Tiller (8 bhp & Above) (SC/ST/S&M/ Women)	85000	Nos.	236	200.513	188	137.377
x)	Power Tiller (8 bhp & Above) (Other Farmers)	70000	Nos.	436	305.102	191	123.892
Sub Total 4 (A)				3971	2682.829	5986	2656.216
B) Water Application Tools							
i)	Water carrying pipes (50% of cost to Rs. 50 per meter HDPE pipe, Rs. 35 for PVC pipes, Rs. 20 for HDPF laminated woven lay flat tubes)	15000	Meter	588600	117.720	692883	195.123
ii)	Pump Sets	10000	Nos.	4042	404.200	4011	376.909
Sub Total 4 (B)					521.920	..	572.032
Sub Total 4 (A) to 4 (B)					3204.749	..	3228.248
C) Cropping system Based Training				14000	Nos.	1279	179.060
D) PMT & Miscellaneous Expenses					31	457.500	31
i)	District level			2	38.500	2	29.325
ii)	State level						
Sub Total 4 (D)					33	496.000	33
E) Local Initiative (Activity-wise)							
i)	Mini Dal Mill as per SMAM norms (50% of cost or 1.25 lakh whichever is less)	125000	Nos.	211	2638.750	93	113.680
ii)	Godown Construction FPO (250 MT Capacity) (Actual Cost 25.00 lakh based on State PWD D.S.R.)	1250000	Nos.	53	662.500	21	262.500
iii)	Seed processing unit/Cleaning & Grading Unit for FPO (actual cost of Rs. 20 lakh)	1000000	Nos.	10	100.00	2	20.000
Sub Total 4 (E)					274	1026.250	116
Sub Total 4 (A) to 4 (E)					4906.059	..	4196.390
Total NFSM Pulses					18298.944	..	16425.035

**National Food Security Mission Pulses
Annual Action Plan 2020-21**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	NFSM Pulses	
				Target	
				Physical	Financial
1 Demonstrations on Improved Technologies					
<i>A) Cluster Demonstrations</i>					
i)	Tur	9000	Ha	1700	153.00
ii)	Moong	9000	Ha	3500	315.00
iii)	Udid	9000	Ha	1700	153.00
iv)	Gram	9000	Ha	4500	405.00
Sub Total Cluster Demo.			Ha	11400	1026.00
<i>B) Inter Cropping System Based Demonstration</i>					
i)	Soyabean + Tur	9000	Ha	10000	900.00
<i>C) Cropping System Based Demonstration</i>					
i)	Moong-Rabi Jowar	15000	Ha	480	72.00
ii)	Moong-Wheat	15000	Ha	300	45.00
iii)	Udid-Rabi Jowar	15000	Ha	900	135.00
iv)	Udid-Wheat	15000	Ha	310	46.50
v)	Kh. Jowar/Gram	15000	Ha	3600	5405.00
vi)	Bajra/Gram	15000	Ha	860	129.00
Sub Total of Cropping system based Demo.			Ha	6450	967.50
Sub Total 1 (A) to 1 (C)			Ha	27850	2893.50
2 Production & Distributions of HYV's Seeds					
<i>A) Distribution of HYV's Seeds (less than 10 years)</i>					
i)	Tur	5000	Qtl	3600	180.00
ii)	Moong	5000	Qtl	2300	115.00
iii)	Udid	5000	Qtl	260	13.00
iv)	Gram	5000	Qtl	33038	1492.00
Sub Total 2 (A)			Qtl	39198	1800.00
<i>B) Distribution of HYV's Seeds (older than 10 years)</i>					
i)	Tur	2500	Qtl	2020	50.50
ii)	Moong	2500	Qtl	840	21.00
iii)	Udid	2500	Qtl	310	7.75
iv)	Gram	2500	Qtl	14830	370.75
Sub Total 2 (A)			Qtl	18000	450.00
Sub Total 2(A) to 2 (B)			Qtl	57198	2250.00
<i>C) Assistance for seed Production (less than 10 years)</i>					
i)	Tur	5000	Qtl	8500	425.00
ii)	Moong	5000	Qtl	5000	250.00
iii)	Udid	5000	Qtl	1550	77.50
iv)	Gram	5000	Qtl	31510	1497.50
Sub Total 2 (C)			Qtl	46560	2250.00
3 Plant Protection Management			Ha	110019	550.10

National Food Security Mission (NFSM Pulses)
Annual Action Plan 2020-21--(Contd.)

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	NFSM Pulses	
				Physical	Financial
4 Flexi Components					
<i>A) Farm Implements & Equipments</i>					
i)	Seed Drill (Tractor driven above 35 bhp) (SC/ST/S&M/ Women)	20000	Nos.	19	3.80
ii)	Seed Drill (Tractor Driven above 35 bhp) (Other Farmers)	16000	Nos.	15	2.40
iii)	Ridge Furrow Planter (Tractor driven above 35 bhp) (SC/ST/S & M Women)	75000	Nos.	..	..
iv)	Ridge Furrow Planter (Tractor driven above 35 bhp) (Other Farmers)	60000	Nos.	..	..
v)	Rotavator (Tractor driven above 35 bhp) (Above 20 to 35 bhp) (SC/ST/S & M/ Women)	50400	Nos.	15	7.56
vi)	Rotavator (Tractor driven above 35 bhp) (Above 20 to 35 bhp) (Other Farmer)	40300	Nos.	14	5.64
vii)	Multi Crop Thresher (Tractor driven above 35 bhp) (SC/ST/S & M/ Women)	250000	Nos.	..	..
viii)	Multi Crop Thresher (Tractor driver above 35 bhp) (Other Farmers)	200000	Nos.	..	..
ix)	Power Tiller (8 bhp & Above) (SC/ST/S&M Women)	85000	Nos.	9	7.65
x)	Power Tiller (8 bhp & Above) (Other Farmer)	70000	Nos.	9	6.30
Sub Total 4 (A)				81	33.35
B) Water Application Tools					
i)	Water carrying pipes (50% of cost to Rs. 50 per meter HDPE pipe, Rs. 35 for PVC pipes, Rs. 20 for HDPE laminated woven lay flat tubes)	15000	Meter	..	..
ii)	Pump Sets	10000	Nos.	151	15.10
Sub Total 4 (B)					15.10
Sub Total 4 (A) to 4 (B)					48.45
C) Cropping system Based Training				14000	152.60
D) PMT & Miscellaneous Expenses					
i)	District level			31	449.50
ii)	State level			2	38.50
Sub Total 4 (D)				33	488.00
E) Local Initiative (Activity-wise)					
i)	Mini Dal Mill as per SMAM norms (50% of cost or 1.25 lakh whichever is less)	125000			
ii)	Godown Construction FPO (250 MT Capacity) (Actual Cost 25.00 lakh based on State PWD D.S.R.)	1250000	Nos.	10	125.00
iii)	Seed processing unit/Cleaning & Grading Unit for FPO (actual cost of Rs. 20 lakh)	1000000			
Sub Total 4 (E)				10	125.00
Sub Total 4 (A) to 4 (E)					814.05
Total NFSM Pulses					8757.65

(B) National Food Security Mission-COARSE CEREAL(Maize)
Progress Report 2019-20

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Target		Achieved	
			Physical	Financial	Physical	Financial
1	Crop Demonstration (10 ha. Cluster Demonstation)					
	Demonstration of Improved Package					
	Maize	Rs. 60000/cluster	250	149.92	305	151.830
	Intercrop Demonstration of Improved Package					
	Soyabean + Tur /Maize + Maize etc.	Rs. 60000/cluster	107	64.32	68	37.77
	Total Demo 1		357	214.24	373	189.69
2	Distribution of Certified Seeds					
	Hybrid Seed					
	Maize	Rs. 10000/Qtl.	918	91.80	894	64.841
	Total of Distribution (2)		918	91.80	894	64.841
	Grand Total (1+2)		1275	306.04	1267	254.438

(C) National Food Security Mission-COARSE CEREAL (Maize)
Annual Action Plan 2020-21

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Physical	
				Target	Achieved
1	Demonstration of Improved Package				
	Demonstration of Improved Package				
	1(a) Maize	Rs. 6000/ha.	Ha	6133	368.00
	1(b) Demonstrations on Intercropping.	Rs. 6000/ha.	Ha	230	13.800
	Total for Demonstration 1 (a+b)			6363	381.800
2	Distribution of Certified Seeds				
	Hybrid Seed of Maize	50% of cost limited to Rs. 10000/Qtl.	Qtls.	631.5	63.150
	Total Seed Distribution 2			631.5	63.150
3	Integrated Pest Management				
		50% of cost limited to Rs. 500/Ha.	Ha.	6740	33.700
4	Flexi Fund				
	(Primary processing Maize sheller)	50% of cost limited to Rs. 10000/Ha.	No.	105	10.500
	Total NFSM Coarse Cereals (1 to 4)				489.150
	GOI Share (60%)				293.490
	GOM Share (40%)				195.660

(D) National Food Security Mission Rice-Progress Report-2019-20

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target		Achievement	
				Phy.	Fin.	Phy.	Fin.
1 Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI							
a)	Cluster Demonstration on SRI	9000	Ha	1858	167.220	3048	147.750
b)	Cluster Demonstration on Mech./Line Transplanting	9000	Ha	508	45.720	550	31.182
c)	Cropping system demonstration (Rice-Pulses)	15000	Ha	614	92.100	1938	171.494
d)	Summer Rice	6250	Ha	400	...	436	22.950
Sub Total 1(a) to 1 (d)				3380	305.040	5972	373.375
2 Seed Distribution							
a)	Hybrid Rice Seed	10000	Qtl	150	15.000	24.30	1.826
b)	HYVs Seeds (Older than 10 years)	1000	Qtl	2750	27.500	1288.00	12.880
c)	HYVs Seeds (less than 10 years)	2000	Qtl	5500	110.000	1203.90	22..502
Sub Total 2 (a) to 2 (c)				8400	152.500	2516.20	37.208
3 Plant and Soil Protection Management							
a)	Micronutrients	500	Ha	1628	8140	1439	7039
b)	Plant Protection Chemicals	500	Ha	17124	85620	15656	73489
c)	Weedcide	500	Ha	4123	20615	2342	10609
Sub Total 3 (a) to 3 (c)				22875	114.375	19437	91.137
4 Flexi Components							
<i>A) Farm Implements & Equipments</i>							
	Drum Seeder (above 4 rows) (SC/ST/Small & Marginal Women Farmers) (50%)	4000	Nos.	7	0.280	1.00	0.040
	Drum Seeder (above 4 rows) (Other farmers (40%))	3000	Nos.	6	0.180	..	..
	Seed Drill (Tractor Driven above 35bhp) (SC/ST/Small & Marginal Women Farmers) (50%)	20000	Nos.	10	2.000	11.00	2.099
	Seed Drill (Tractor Driven above 35bhp) (Other farmers) (40%)	16000	Nos.	7	1.120	3.00	0.480
	Power Weeder-Engine operated above 2bhp (SC/ST/Small & Marginal Women Farmers) (50%)	25000	Nos.	7	1.750	5.00	1.830
	Power Weeder-Engine operated above 2bhp (Other farmers) (40%)	20000	Nos.	10	2.000	2.00	0.400
	Rotavetor (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal Women Farmers) (50%)	50400	Nos.	25	12.600	60.00	27.786
	Rotavetor (Tractor Driven above 35 bhp) (Other farmers) (40%)	40300	Nos.	15	6.045	17.00	6.598
	Paddy Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal Women Farmers) (50%)	100000	Nos.	4	4.000	80.00	70.569
	Paddy Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	80000	Nos.	4	3.200	2.00	1.479
	Multi Crop Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal Women Farmers) (50%)	250000	Nos.	4	10.000	11.00	14.484
	Multi Crop Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	200000	Nos.	4	8.000	1.00	2.000
	Self Propelled paddy Transplanter (above 4-8 rows, 8-16 rows) (SC/ST/Small & Marginal Women Farmers) (50%)	800000	Nos.	4	32.000	1.00	1.114
	Self Propelled paddy Transplanter (above 4-8 rows, 8-16 rows) (Other farmers) (40%)	650000	Nos.	4	26.000	..	...

National Food Security Mission Rice-Progress Report-2019-20 (Contd.)

(Rs. in Lakh)

Sr. No.	Interventions Assistance	Approved Rate of Assistance	Unit	Target		Total Achievement	
				Phy.	Fin.	Phy.	Fin.
	Power Tiller (8 bhp & above) (SC/ST/Small & Marginal Women Farmers) (50%)	85000	Nos.	4	3.400	2.00	1.546
	Power Tiller (8 bhp & above) (Other farmers) (40%)	70000	Nos.	4	2.800	..	..
	Reaper (above 35 bhp) (SC/ST/Small & Marginal Women Farmer) (50%)	75000	Nos.	4	3.000	14.00	8.793
	Reaper (above 35 bhp) (Other farmers) (40%)	60000	Nos.	4	2.400	4.00	2.088
	Reaper-cum-binder (SC/ST/Small & Marginal Women Farmers) (50%)	150000	Nos.	4	6.000	..	..
	Reaper-cum-binder (Other farmers) (40%)	120000	Nos.	4	4.800	..	..
Sub Total 4				135	131.575	214.00	141.306
5	Efficient Water Application tools :						
a)	Incentive for Pump Sets	10000	Nos.	141	14.100	229.00	18.608
Total 5					14.100		18.608
Total 4 & 5					145.675		159.913
6	Cropping System based trainings (Four Sessions)	14000	Nos.	39	5.460	39.00	5.460
7	Local Initiative						
i)	Godown Construction upto 250 MT Capacity (Actual Cost 25.00 lakh based on State PWD D.S.R.) 50% of cost	1250000	Nos.	1	12.500	1.00	12.500
ii)	Mini Rice Mill (60% or Rs. 150000 which- ever is less SMAM Norm) for Farmer's group	200000	Nos.	5	10.000	1.00	2.000
iii)	Cultivation of Local variety (Market-led-Extension)	4500	Ha.	100	4.500	52.85	2.378
iv)	Fish farming in Paddy Field (Rs. 25000 for (SC/ST & Rs. 20000 for other farmers)	20000	Acre	62.5	12.500	18.00	3.600
Sub Total 7 (i) to 7 (iv)					39.500		20.478
Total NFSM Rice (1 to 7)					762.550		687.571

**National Food Security Mission Rice
Annual Action Plan 2020-21**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target	
				Physical	Financial
1 Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI					
a)	SRI for improved rice/Line Transplanting	9000	Ha	1400	126.00
b)	Hybrid Rice	9000	Ha	100	9.00
c)	Stress tolerant/bio-fortified varieties	9000	Ha	500	45.00
d)	Cropping system demonstration (Rice-Pulses) (gram/cowpea/Rajma/Limabean)	15000	Ha	400	60.00
Sub Total 1(a) to 1 (d)				2400	240.00
2 Seed Distribution					
a)	Hybrid Rice Seed	10000	Qtl.	25	2.50
b)	HYVs Seeds (older than 10 years)	1000	Qtl.	90	9.00
c)	HYVs Seeds (less than 10 years)	2000	Qtl.	1800	36.00
Sub Total 2(a) to 2 (c)				2725	47.50
3 Plant and Soil Protection Management					
(A) Soil Management					
a)	Micronutrients	500	Ha.	1963	9.81
(B) Plant Protection Management					
a)	Plant Protection Chemicals & Bioagent	500	Ha.	6000	30.00
b)	Weedicides	500	Ha.	1500	7.50
Sub Total 3(A) to 3 (B)				9463	47.31
4 Flexi Components					
<i>A) Farm Implements & Equipments</i>					
i)	Drum Seeder (above 4 rows) (SC/ST/Small & Marginal & Women farmer) (50%)	4000	Nos.	8	0.31
ii)	Drum Seeder (above 4 rows) (Other farmers) (40%)	3000	Nos.	34	1.02
iii)	Seed Drill (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	20000	Nos.	13	2.60
iv)	Seed Drill (Tractor Driven above 35 bhp) (Other farmers) (40%)	16000	Nos.	9	1.44
v)	Power Weeder-Engine operated above 2 bhp (SC/ST/Small & Marginal & Women farmers) (50%)	25000	Nos.	9	2.25
vi)	Power Weeder-Engine operated above 2 bhp (Other farmers) (40%)	20000	Nos.	13	2.60
vii)	Rotavator (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	50400	Nos.	33	16.63
viii)	Rotavator (Tractor Driven above 35 bhp) (Other farmers) (40%)	40300	Nos.	20	8.06
ix)	Paddy Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	100000	Nos.	5	5.00
x)	Paddy Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	80000	Nos.	4	3.20
xi)	Multi Crop Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	250000	Nos.	5	12.50
xii)	Multi Crop Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	200000	Nos.	5	10.00
xiii)	Self Propelled paddy Transplanter (above 4-8 rows, 4-16 rows (SC/ST/Small & Marginal & Women farmers) (50%)	800000	Nos.	5	40.00

National Food Security Mission (NFSM Rice)
Annual Action Plan 2020-21--(Contd.)

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target	
				Physical	Financial
xiv)	Self Propelled paddy Transplanter (above 4-8 rows, 8-16 rows) (Other farmers) (40%)	650000	Nos.	5	32.50
xv)	Power Tiller (8 bhp & above) (SC/ST/Small & Marginal & Women farmers) (50%)	85000	Nos.	5	4.25
xvi)	Power Tiller (8 bhp & above) (Other farmers) (40%)	70000	Nos.	5	3.50
xvii)	Reaper (above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	75000	Nos.	6	4.50
xviii)	Reaper (above 35 bhp) (Other Farmers) (40%)	60000	Nos.	4	2.40
xix)	Reaper-cum-binder (SC/ST/Small & Marginal & Women farmers) (50%)	150000	Nos.	7	10.50
xx)	Reaper-Cum-binder (Other farmers) (40%)	120000	Nos.	6	7.20
Sub Total 4 (A)				201	170.46
B) Water Application Tools					
a)	Incentive for Pump Sets	10000	Meter	150	15.00
ii)	Water carrying pipes (50% of cost to Rs. 50/- per meter HDPE pipe, Rs. 35/- for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of Rs. 15000/- per farmer/beneficiary for water carrying pipe.	Rs. 20/- per meter for HDPE laminated woven lay flat tubes.	Meter	13714	4.80
Sub Total 4 (B)				13864	19.80
Sub Total 4 (A) to 4 (B)					190.26
C) Cropping system Based Training		14000	Nos.	41	5.74
D) Local Initiatives					
i)	Godown Construction upto 250 MT Capacity (Actual Cost-25.00 Lakh based on State PWD D.S.R.) 50% of cost	125000	Nos.	1	12.50
ii)	Mini Rice Mill (50% or Rs. 2.00 lakh whichever is less SMAM Norm) for Farmer's group	200000	Nos.	10	20.00
Sub Total 4 (D)					32.50
Total Financial (1 to 4)					563.32

**(D) National Food Security Mission Wheat
Progress Report 2019-20**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target		Achievement	
				Phy.	Fin.	Phy.	Fin.
1	Demonstration on Imporved Technologies						
	A) Cluster Demonstration	9000	Ha	1730	155.70	1840	123.349
	B) Cropping system based Demonstration						
	Wheat preceded by Moog/Udid/Kh. Soyabean	15000	Ha	450	67.50	450	46.144
	Total 1(A) to 1 (B)			2180	223.20	2290	169.493
2	Distribution of Certified seeds						
	a) HYVs Seeds (older than 10 years)	1000	Qtl.	2232	22.32	2253	22.528
	b) HYVs Seeds (less than 10 years)	2000	Qtl.	4467	89.34	3930	75.108
	Total 2(a) to 2 (b)			6699	111.66	6183	97.636
3	A) Plant Protection and Soil Management						
	i) Micronutrients	500	Ha	6000	30.00	1400	7.400
	B) Plant Protection Management						
	i) Plant Protection Chemicals & bio-agents	500	Ha	6739	33.70	6110	30.538
	ii) Weedicides	500	Ha	4000	20.00	758	3.792
	Sub Total 3 (A) to 3 (B)			16739	83.70	8348	41.730
4	Flexi Components						
	A) Farm Implements & Equipments						
	i) Chiesl plough (above 20-35 bhp tractor driven) (SC/ST/Small & Marginal & Women farmers) (50%)	2000	Nos.	5	1.00	..	..
	ii) Chiesl plough (above 20-35 bhp tractor driven) (Other farmers) (40%)	16000	Nos.	5	0.80	..	..
	iii) Seed Drill (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	2000	Nos.	6	1.20	9	1.730
	iv) Seed Drill (Tractor Driven above 35 bhp) (Other farmers) (40%)	16000	Nos.	5	0.80	12	1.836
	v) Zero Till Seed-cum-Fertilizer Drill (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	28000	Nos.	5	1.40	13	2.630
	vi) Zero Till Seed-cum-Fertilizer Drill (Tractor Driven above 35 bhp) (Other farmers) (40%)	22400	Nos.	5	1.12	..	..
	vii) Zero Till Multi Crop Planter (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	75000	Nos.	5	3.75	..	..
	viii) Zero Till Multi Crop Planter (Tractor Driven above 35 bhp) (Other farmers) (40%)	60000	Nos.	5	3.00	..	..
	ix) Rotavator (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	50400	Nos.	8	4.03	54	22.868
	x) Rotavator (Tractor Driven above 35 bhp) (Other farmers) (40%)	40300	Nos.	8	3.22	4	1.612
	xi) Multi Crop Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	250000	Nos.	5	12.50	9	5.235
	xii) Multi Crop Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	200000	Nos.	5	10.00	1	1.000
	xiii) Power Tiller (8 bhp and above) (SC/ST/Small & Marginal & Women farmers) (50%)	85000	Nos.	12	10.20	4	1.910
	xiv) Power Tiller (8 bhp and above) (Other farmers) (40%)	70000	Nos.	10	7.00	..	..

**National Food Security Mission Wheat
Progress Report 2019-20--(Contd.)**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target		Achievement	
				Phy.	Fin.	Phy.	Fin.
xv)	Reapre (above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	75000	Nos.	5	3.75	4	3.130
xvi)	Reaper (above 35 bhp) (Other farmers) (40%)	6000	Nos.	5	3.00	..	..
xvii)	Reaper cum binder (SC/ST/Small & Marginal & Women farmers) (50%)	150000	Nos.	5	7.50	..	..
xviii)	Reaper-cum-binder (Other farmers) (40%)	120000	Nos.	4	4.80	..	..
Sub Total 4				108	79.08	110	41.950
5	Efficient Water Application tools :						
a)	Water carrying pipes	50% of cost lmtd. to Rs.50/- per meter of HDPE pipes. Rs. 35/- per meter to PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum celing of Rs. 15000/- per farmer/beneficiary for water carrying pipe	Meter	43500	8.70	8900	3.554
b)	Pump Sets		Ha.	101	10.10	71	6.372
Sub Total of 5 (a) to 5 (b)					18.80	..	9.926
Total 4 & 5					97.88		51.876
6	A) Cropping system based training (Four Sessions)		Nos.	30	4.20	27	0.980
7	Local Initiatives						
a)	Godown Construction upto 250 MT capacity (Actual Cost 25.00 lakh) based on State PWD D.S.R. for 2013-14 for FPO	1250000	Nos.	3	37.50	..	..
Total Financial (1 to 7)					558.14	..	361.716

**National Food Security Mission Wheat
Annual Action Plan 2020-21**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target	
				Physical	Financial
1	Demonstration on Improved Technologies				
	A) Cluster Demonstration	9000	Ha	630	56.70
	B) Stress tolerant/bio-fortified varieties	9000	Ha	270	24.30
	C) Cropping system based Demonstration Wheat preceded by Kh. Soyabean	15000	Ha	240	36.00
	Total of 1(A) to 1 (C)			1140	117.00
2	Distribution of Certified seeds				
	a) HYVs Seeds (older than 10 years)	1000	Qtl.	1150	11.50
	b) HYVs Seeds (less than 10 years)	2000	Qtl.	2300	46.00
	Total 2(a) & 2 (b)			3450	57.50
3	A) Plant Protection and Soil Management				
	i) Micronutrients	500	Ha	..	..
	B) Plant Protection Management				
	i) Plant Protection Chemicals & bio-agents	500	Ha	3330	16.65
	ii) Weedicide	500	Ha	1000	5.00
	Sub Total 3 (A) to 3 (B)			4330	21.65
4	Flexi Components				
	A) Farm Implements & Equipments				
	i) Chiesl plough (above 20-35 bhp tractor driven) (SC/ST/Small & Marginal & Women farmers) (50%)	20000	Nos.	3	0.60
	ii) Chiesl plough (above 20-35 bhp tractor driven) (Other farmers) (40%)	16000	Nos.	3	0.48
	iii) Seed Drill (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	20000	Nos.	3	0.60
	iv) Seed Drill (Tractor Driven above 35 bhp) (Other farmers) (40%)	16000	Nos.	3	0.48
	v) Zero Till Seed cum Fertilizer Drill (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	28000	Nos.	3	0.84
	vi) Zero Till Seed cum Fertilizer Drill (Tractor Driven above 35 bhp) (Other farmers) (40%)	22400	Nos.	3	0.67
	vii) Zero Till Multi Crop Planter (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	75000	Nos.	3	2.25
	viii) Zero Till Multi Crop Planter (Tractor Driven above 35 bhp) (Other farmers) (40%)	60000	Nos.	3	1.80
	ix) Rotavator (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	50400	Nos.	3	1.51
	x) Rotavator (Tractor Driven above 35 bhp) (Other farmers) (40%)	40300	Nos.	4	1.61
	xi) Multi Crop Thresher (Tractor Driven above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	250000	Nos.	3	7.50
	xii) Multi Crop Thresher (Tractor Driven above 35 bhp) (Other farmers) (40%)	200000	Nos.	3	6.00
	xiii) Power Tiller (8 bhp and above) (SC/ST/Small & Marginal & Women farmers) (50%)	85000	Nos.	3	2.55
	xiv) Power Tiller (8 bhp and above) (Other farmers) (40%)	70000	Nos.	3	2.10

**National Food Security Mission Wheat
Annual Action Plan 2020-21-(Contd.)**

(Rs. in Lakh)

Sr. No.	Interventions	Approved Rate of Assistance	Unit	Target	
				Physical	Financial
xv)	Rapere (above 35 bhp) (SC/ST/Small & Marginal & Women farmers) (50%)	75000	Nos.	3	2.25
xvi)	Reaper (above 35 bhp) (Other farmers) (40%)	60000	Nos.	4	2.40
xvii)	Reaper cum binder (SC/ST/Small & Marginal & Women farmers) (50%)	150000	Nos.	3	4.50
xviii)	Reaper cum binder (Other farmers) (40%)	120000	Nos.	3	3.60
Sub Total 4 (A)				56	41.75
B) Water Application Tools :					
i)	Water carrying pipes 50 % cost lmted. to Rs. 50/- per meter of HDPE pipes. Rs. 35/- per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum celling of Rs. 15000/- per farmer/beneficiary for water carrying pipe	Rs. 20/- per meter for HDPE laminated woven lay flat tubes	Mtr.	30000	6.00
ii)	Inventive for Pumpsets	10000	Nos.	46	4.60
Sub Total 4(B) (i) to 4(B)(ii)				30046	10.60
Total 4 (A) to 4 (B)				52.35	
C) Cropping System based trainings					
D) Local Initiatives					
a)	Godown Construction upto 250 MT capacity (Actual Cost 25.00 lakh) based on State PWD D.S.R.) 50% of cost	1250000	Nos.	1	12.50
Total Financial (1 to 7)				264.50	

**(E) National Food Security Mission-Nutri Cereal
Progress Report 2019-20**

Sr. No.	Intervention	Rate of Assistance	Target		Achieved	
			Physical	Financial	Physical	Financial
1	Cluster Crop Demonstration (10 ha. Cluster Demonstration)					
i)	Jowar	Rs. 60000/Cluster	852	511.20	1421	447.903
ii)	Bajra	Rs. 60000/Cluster	500	300.00	532	165.072
iii)	Ragi	Rs. 60000/Cluster	175	104.96	129	40.001
	Total Demo (1)		1527	916.16	2082	652.976
2	Distribution of Certified Seeds					
	<i>(a) Hybrid Seeds</i>					
i)	Jowar	Rs. 10000/Qtl.	1014	101.40	15	0.903
	Total		1014	101.40	15	0.903
	<i>(b) Improved Seeds</i>					
i)	Jowar (Less than 10 Years.)	Rs. 3000/Qtl.	5301	159.03	445	12.875
ii)	Bajra (Less than 10 Years.)	Rs. 3000/Qtl.	1733	51.99	91	2.332
iii)	Jowar (More than 10 Years.)	Rs. 1500/Qtl.	6212	93.18	2071	28.486
	Total		13246	304.20	2607	43.693
	Total Seed Distribution (2)		14260	405.60	2623	44.595
3	Production of Certified Seed (Less than 10 years)					
	<i>(a) Hybrid Seeds</i>					
i)	Jowar	Rs. 3000/Qtl.	4382	131.46	4594	137.773
ii)	Bajra	Rs. 3000/Qtl.	196	5.88	715	21.451
iii)	Ragi*	Rs. 3000/Qtl.	70	2.10	..	..
	Total hybride seed production (3)		4648	139.440	5309	159.225
4	Integrated Nutrient Management (INM) (60:40)					
i)	Micro-Nutrient	Rs. 500/Ha.	32448	162.24	10890	57.483
ii)	Bio-Fertilizer	Rs. 300/Ha.	54080	162.24	30334	76.256
	Total -4		86528	324.48	41224	133.738
5	Integrated Pest Management (INM) (60:40)					
i)	Weedicides	Rs. 500/Ha.	12980	64.90	3332	15.310
ii)	P. P. Chemicals & Bio-agents	Rs. 500/Ha.	3244	16.22	17491	66.477
	Sub Total-5		16224	81.12	20823	81.786
	Total (INM+IPM)		102752	405.60	60247	215.524
6	Flexi Components					
i)	Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers	50% of the cost or Rs. 750/- unit, whichever is less	7211	54.08	514	3.686
ii)	Manual Spryaer for other farmers	40% of the cost or Rs. 600/ unit, whichever is less	2253	13.52	206	1.370
iii)	Cropping system based training (60:40)	Rs. 140000/ trg of 4 session	50	7.00	49	6.160
iv)	Publicity-District Level	Rs. 1.00 Lakh/Dist.	26	26.00	26	25.553
v)	District level Workshop	Rs. 2.50 Lakh/Workshop	26	65.00	20	59.866
vi)	Cleaner cum Grader	Rs. 1.00 Lakh/Unit	55	55.00	23	19.626
vii)	Dehusker	Rs. 0.75 Lakh/Unit	9	6.75	1	0.750
	Total (6)		9630	227.35	839	108.011
	Grand Total			2094.15		1180.331

**National Food Security Mission-Nutri Cereal
Annual Action Plan 2020-21**

(Rs. in Lakh)

Sr. No.	Intervention	Approved Rate of Assistance	Unit	Target	
				Physical	Financial
1	Cluster Front Line Demonstration				
i)	Jowar	Rs. 60000/Ha.	Ha.	25900	1553.98
ii)	Bajra	Rs. 60000/Ha.	Ha.	2958	177.45
iii)	Ragi	Rs. 60000/Ha.	Ha.	353	21.15
	Total Demo (1)			29210	1752.58
2	Distribution of Certified Seeds				
	<i>(a) Hybrid seed Distribution</i>				
i)	Jowar	Rs. 10000/Qtl.	Qtl.	583	58.33
	Total			583	58.33
	<i>(b) HYVs Seed</i>				
i)	Jowar (for varieties < 10 Years)	Rs. 3000/Qtl.	Qtls.	1500	45.00
ii)	Bajra (for varieties < 10 Years)	Rs. 3000/Qtl.	Qtls.	500	15.00
	Sub Total (i) to (iii)			2000	60.00
iii)	Jowar (for varieties > 10 Years)	Rs. 1500/Qtl.	Qtls.	10150	152.25
	Sub Total 2 (iv) to (vi)			10150	152.25
	Sub Total Item (2b)			12150	212.25
	Total for Items 2 (a) & 2 (b)			12733	270.58
3	Certified Seed Production of HYVs seeds by State				
	Less than 10 years old varieties				
i)	Jowar			4926	147.78
ii)	Bajra	Rs. 3000/Qtl.	Qtls.	1600	48.00
iii)	Ragi			141	4.23
	Sub Total Item (3)			6667	200.01
4	Integrated Nutrient Management (INM)				
i)	Micronutrient	Rs. 500/Ha	Ha.	22000	110.00
ii)	Bio-fertilizer	Rs. 300/Ha.	Ha.	21886	65.66
	Sub Total (Item 4)			43886	175.66
5	Integrated Pest Management (IPM)				
i)	Weedicides	Rs. 500/Ha	Ha.	73000	365.00
ii)	Plant Protection Chemicals & Bio-agents	Rs. 500/Ha.	Ha.	27765	138.83
	Sub Total-5			100765	503.83
	Total INM & IPM (Item 4 + 5)			144651	679.48
6	Flexi Components				
A)	Water Application Tools				
	Sprinkler/Pipes	As per SMAM & PMKSY guidelines	Nos.	7070	707.00
	Total			7070	707.00
B)	Primary Processing Unit				
	Cleaner cum Grader	Rs. 1.00 Lakh/Unit	Nos.	27	27.00
		Rs. 14000/trg	Nos.	54	7.56
C)	Farmers Training				
D)	Awairness/Publicity				
i)	Publicity- District level	Rs.1.00 Lakh/Dist.	Nos.	27	27.00
ii)	District level Workshop	Rs. 2.50 Lakh/ Workshop	Nos.	27	67.50
	Total Flexi Component				836.06
	Total NFSM-Nutri-Cereals (Jowar, Bajara and Ragi)				3738.72
	GOI Share (60%)				2243.23
	State Share (40%)				1495.49

National Food Security Mission-TRFA PULSES Progress Report 2019-20

Sr. No.	Intervention	Approved Rate of Assistance	Unit	Target		Achieved	
				Physical	Financial	Physical	Financial
1 Demonstrations on Improved Technologies							
i)	Chik pea	9000	Ha.	4060	365.400	6746	508.029
ii)	Lentil	9000	Ha.	..	..	..	..
iii)	Green gram	9000	Ha.	90	8.100	..	..
iv)	Grass pea	9000	Ha.	2000	100.00	36	1.899
Sub Total Cluster Demonstrations				6150	553.500	6782	509.928
2 Production Input							
A) Distribution of Certified Seeds (less than 10 years)							
i)	Chik pea	2500	Qtl.	4038	100.950	2465	58.753
ii)	Grass pea	2500	Qtl.	500	12.500	..	..
iii)	Dolichous bean	2500	Qtl.	62	1.550	..	..
Sub Total 2 (A)				4600	115.000	2465	58.753
B) Bio fertilizer		300	Ha.	5000	15.000	2657	7.321
Sub Total 2 (A) + (B)				Ha.	..	130.000	..
C) Cropping system based Training (Four Sessions)		14000	Nos.	100	14.000	99	13.455
Total TRFA Pulses				..	697.500	..	589.456

National Food Security Mission (TRFA Pulses) Annual Action Plain (AAP) during 2020-21

Sr. No.	Intervention of Assistance	Approved Rate of Assistance	Physical	Target		
				GOI Share	State Share	Total
1 Cluster Demonstration						
i)	Chik pea	Rs. 9000/Ha.	9850	531.900	354.600	886.500
ii)	Grass pea	Rs. 9000/Ha.	150	8.100	5.400	13.500
Sub Total 1 (i) to 1(ii)			10000	540.000	360.000	900.000
2 Distribution of Inputs						
(i) Distribution of Certified Seed						
i)	Chik pea	Rs. 2500/Qtl.	12000	180.000	120.000	300.000
ii)	PP Chemicals	Rs. 500/Qtl.	10000	30.000	20.000	50.000
Sub Total 2 (i) to 2 (ii)			..	210.000	140.000	350.000
3 Training for Cropping system based						
i)	Chik pea	Rs. 14000/per trg	170	14.280	9.520	23.800
Grand Total			..	764.280	509.520	1273.800

**Project on Climate Resilient Agriculture in Maharashtra (PoCRA)
(Nanaji Deshmukh Krishi Sanjeevani Prakalp)**

The Project on Climate Resilient Agriculture in Maharashtra (PoCRA) is a project of Government of Maharashtra in Partnership with the World Bank. The project implementation started since 18th May 2018. The total project cost is INR 4000 Crores (World Bank: INR 2800 Cr. & GoM - INR-1200 Cr.) The project is being implemented in 5142 villages in 15 droughts prone and salinity affected districts. The project development objectives (PDO) is **‘to enhance climate resilience and profitability of smallholder farming system in selected districts in Maharashtra’**. This would be achieved by Promoting Climate-Resilient Agriculture System, Post-harvest management, value chain promotion and institutional development.

The participatory micro-planning process is a key feature of this project. As on 31st December, 2020, the micro planning of 1220 villages is completed and Village Development Plans are approved. 3830 Village Climate Resilient Agriculture Management Committee (VCRMC) are formed. Krishitai is woman mobilizer nominated by VCRMC at village level and 3573 Krushi Tai’s are currently nominated. 6344 Farmers Field School (FFS) were conducted in 2020-21 to transfer climate-resilient technology to the farmers. The individual farmers in project village are supported by matching grants through Direct Benefit Transfer (DBT) mode. Till date, 6,80,794 farmers have registered on DBT portal and financial assistance of Rs. 510.90 Cr. has been disbursed for 1,39,288 applications. 638 Soil and Water Conservation Works have been completed with expenditure of Rs. 11.72 Crore.

The project is promoting Climate Resilient Value Chains of major commodities through strengthening of FPOs/FIGs/FPCs, till date 58 FPOs supported with matching grants of Rs. 6.88 Cr. The project has developed a strategic partnership with National Institutes such as ICAR, IIT-Bombay, CSSRI, CRIDA, NBSS&LUP, TISS, YASHADA, GSDA, GIPE, Agriculture Universities and KVKs.

Hon. Balasaheb Thackeray Agribusiness and Rural Transformation (SMART) Project

Project Background

Small and marginal farmers dominate Maharashtra’s agriculture. With the markets of most of the commodities increasingly linked to global value chains, fluctuations in prices directly affect the smallholder farmers. The influence of global price movements on commodities like cotton, soybeans, and sugar, which cover 44% of the cropped area in Maharashtra, is particularly strong on producer profitability. On the other hand, commodities with little footprint outside India are affected mainly by trade policies. For example, prices of pulses (which cover about 20% of cropped area in Maharashtra), while influenced by domestic consumption, have been heavily affected by inconsistent Indian trade policies over the past few years.

The State has a continuous engagement with the World Bank and other external funding agencies to find a solution to the woes of farmers in the era of globalization. There are more than 2900 Farmer Producer Companies, 798 Cluster Level Federations and 406 Community Managed Resource Centres in the state.

The State is therefore implementing ‘Hon. Balasaheb Thackeray Agribusiness and Rural Transformation’ (SMART) Project with the financial support of the World Bank. Objective of the project is ‘to support the development of inclusive and competitive agriculture value chains, focusing on small holder farmers and agri -entrepreneurs in Maharashtra’. This would be achieved by expanding access to new and organized markets for producers and enterprises with complementary investments in technical services and risk management capabilities.

Financial Arrangements -

This project will be implemented in the state over next seven years, during 2020-21 to 2026-27 with financial support from the World Bank (International Bank for Reconstruction and Development). Total Project Cost is Rs. 2100 Crores which includes IBRD Loan of Rs. 1470 Crores (USD 210 Million), State share of Rs. 560 Crores and Private sector Contribution of Rs. 70 Crores.

Project Interventions -

The project is expected to benefit approximately 1200 Community based Organizations (CBOs) (CBOs consists of Farmer Producer Organizations (FPOs), 'Cluster Level Federations (CLFs), Community Managed Resource Centres (CMRCs) and Primary Agricultural Co-operative Societies (PACS)), Farmers' Federations, Grower Associations, and other Farmer Groups of the State through the development of the Productive Partnerships (PPs), Market -Access Plans (MAPs), Complementary • Innovation Investments (CIIs), Warehouse Business Investments (WBIs) and partnerships between CBOs and private entities, MSMEs, Start-ups, etc.

Implementation Arrangements -

The project implementation structure is designed to promote the use of existing government machinery at the state, region and district level. Overall management and coordination will be the responsibility of the SMART Society. The SMART Society is anchored within the Department of Agriculture, GoM. Coordination of day-to-day project implementation is the responsibility of the Project Coordination and Management Unit (PCMU) of the SMART Society. Eleven Project Implementing Units (PIUs) have been set up within the project implementing agencies participating in the project. These PIUs are housed in the Department of Agriculture, Department of Animal Husbandry, Directorate of Marketing, Maharashtra State Agriculture Marketing Board (MSAMB), Maharashtra State Warehousing Corporation (MSWC), Maharashtra Co-operative Development Co-operation (MCDC), Maharashtra State Co-operative Cotton Growers Marketing Federation (MahaCot), Maharashtra State Rural Livelihood Mission (MSRLM), Village Social Transformation Foundation (VSTF), Mahila Arthik Vikas Mahamandal (MAVIM), and Pune Municipal Corporation. For greater coordination and review of project implementation at the district level, Eight Regional Implementation Units (RIU) and thirty four District Implementation Units (DIU) will be established.

Status of Implementation -

Government of Maharashtra has approved implementation of the project as per the Project Implementation Plan (PIP) drafted in association with the World Bank *vide* government resolution dated 11th November 2019. Accordingly the Project Agreement and Loan agreement were signed on 24th January 2020 and the World Bank has declared the project effective from 23rd March 2020.

Hon. Chief Minister of Maharashtra inaugurated Hon. Balasaheb Thackeray Agribusiness and Rural Transformation (SMART) Project as a flagship project under the "Vikel te Pikel" Mission on 10th September, 2020. Advertisement is published for online submission of applications from community based organizations and buyers either individually or jointly for participating in the project. Responding to the appeal, 1959 farmer produces companies, 2833 ATMA registered groups, 262 CMRCs and 710 CLFs totalling 5764 CBOs and 118 buyers have submitted applications. After scrutiny of applications, detailed value chain development projects of eligible CBOs will be prepared and implemented.

Details of Sanctioned Post (Revised Pattern)

Sr. No.	Designation	Sanctioned	Pay-Band	Grade Pay	Revised Pay in Pay Matrix
1	2	3	4	5	6
1	Commissioner of Agriculture	1	37400-67000	10000	S-30 :144200-218200
2	Director of Agriculture	5	37400-67000	8700	S-27 : 118500-214100
3	Joint Director of Agriculture	14	15600-39100	7600	S-25 : 78800-209200
4	Joint Director of Agriculture (ESTT)	1	15600-39100	7600	S-25 : 78800-209200
5	Dy. Superintending Agri. Officer	46	15600-39100	6600	S-23 : 67700-208700
6	Dy. Director of Agri.	202	15600-39100	5400	S-20 : 56100-177500
7	Senior Administrative officer	2	15600-39100	6600	S-13 : 67700-207800
8	Administrative Officer	11	9300-34800	5000	S-18 : 49100-155800
9	Asst. Director (ACC)	2	15600-39100	5400	S-20 : 56100-177500
10	M. A. S. Group-B	800	9300-34800	4600	S-16 : 44900-142400
11	Account officer Class- II	47	9300-34800	4600	S-16 : 44900-142400
12	Asst. Admin. Officer. Class-II	44	9300-34800	4400	S-15 : 41800-132300
13	Personal Assistant	6	9300-34800	4400	S-15 : 41800-132300
14	M. A. S. Group-B (J. Agri. Officer)	1652	9300-34800	4400	S-15 : 41800-132300
15	Agri./Junior Engineer	8	9300-34800	4400	S-15 : 41800-132300
16	Agri. Supervisor	2726	9300-34800	4200	S-13 : 35400-112400
17	Agri.-Assistant	11599	5200-20200	2400	S-13 : 25500-81100
	After completion of 7 yrs. service		5200-20200	2800	S-8 : 25500-81100
18	Superintendent	93	9300-34800	4300	S-14 : 38600-122800
19	Assistant Sup.	404	9300-34800	4200	S-13 : 35400-112400
20	Senior Clerk	883	5200-20200	2400	S-8 : 25500-81100
21	Clerk/Typist	2056	5200-20200	1900	S-6 : 19900-63200
22	Draftman	34	5200-20200	2800	S-10 : 29200-92300
	After 4 yrs. of Qualifuing service		9300-34800	4300	S-14 : 38600-122800
23	Tracer	1978	5200-20200	2000	S-7 : 21700-69100
	After 7 yrs. of Qualifuing service		5200-20200	2400	S-8 : 25500-81100
24	Asstt. librarian	1	5200-20200	2000	S-7 : 21700-69100.
25	Stenographer (Higher grade)	18	9300-34800	4400	S-15 : 41800-132300
26	Stenographer (Lower grade)	73	9300-34800	4300	S-14 : 38600-122800
27	Steno-Typist	74	5200-20200	2400	S-8 : 25500-81100
28	Driver	603	5200-20200	1900	S-6 : 19900-63200
29	Machineman	1	5200-20200	2400	S-8 : 25500-81100
30	Tiller Operator	15	4440-7440	1300	S-1 : 15000-47600
31	Naik/Daftari	115	4440-7440	1600	S-3 : 16600-52400
32	Peon/Watchman	2852	4440-7440	1300	S-1 : 15000-47600
33	Cleaner	21	4440.7440	1300	S-5 : 15000-47600
34	Mali (Ropmali Helper)	627	5200-20200	1800	S-5 : 18000-56900
35	Trained mazdoor	463	4440-7440	1300	S-1 : 15000-47600
36	Lab. Assistant /Attendent Helper	25	4440-7440	1300	S-1 : 15000-47600
Total		27502			

CHART-2

Summary of Action Plan Regarding Internal Audit

Sr.	Name of the office	Target in 2021-22 for internal audit of office		
		Previous Year	Current Year	Total Year
1	Divisional joint Director of Agriculture, Thane	2019-20	2020-21	2 Year
2	Divisional joint Director of Agriculture, Nashik	2018-19 2019-20	2020-21	3 Year
3	Divisional joint Director of Agriculture, Pune	2019-20	2020-21	2 Year
4	Divisional joint Director of Agriculture, Kolhapur	---	2020-21	1 Year
5	Divisional joint Director of Agriculture, Aurangabad	2019-20	2020-21	2 Year
6	Divisional joint Director of Agriculture, Latur	2016-17 2017-18 2018-19 2019-20	2020-21	5 Year
7	Divisional joint Director of Agriculture, Amravati	2019-20	2020-21	2 Year
8	Divisional joint Director of Agriculture, Nagpur	2017-18 2018-19 2019-20	2020-21	4 Year
Total				21 Year

**संचालन व प्रशासन
Directorate and Administration**

(रुपये हजारत) (Rs. in Thousand)

तक्ता-एक TABLE-I

अनिवार्य योजना : (Non plan scheme) :

अ. क्र.	तपशील	प्रत्यक्ष खर्च		अर्थसंकल्पीय अंदाज		सुधारीत अंदाज		अर्थसंकल्पीय अंदाज		Details
		सन २०१९-२०२०	सन २०२०-२०२१	सन २०२०-२०२१	सन २०२०-२०२१	सन २०२१-२०२२	7			
1	2	3	4	5	6	7	8	9	10	
		Actual Exp. 2019-20	Budget Estimates 2020-21	Revised Estimates 2020-21	Budget Estimates 2021-22					
१	मागणी क्र. डी-२ २२३५-सामाजिक सुरक्षा व कल्याण इतर सामाजिक सुरक्षा व कल्याण कार्यक्रम ठेव संलग्न विमा योजनेनुसार प्रदाने (२२३५ ३१५९)	2460	10260	4220	9760					Demand No.D-2, 2235-Social Security & Welfare Other Social Security & Welfare Programme Deposit linked Insurance Scheme. (2235 3159)
२	मागणी क्र. डी-३ २४०१-पीक संवर्धन (००) (००१) संचालन व प्रशासन (००) (००१) कृषि आयुक्तालय (भारित)	70	800	300	800					Demand No.D-3, 2401-Crop Husbandary 001-Directorate & Administration 001-Commissionerate of Agriculture (committed) (2401 0127) (Charged)
३	(२४०१ ०१२७) (००) (००१) कृषि आयुक्तालय (२४०१ ०१३६)	4162169	6492574	4677369	6644800					(00) (01) Commissionerate of Agriculture (2401 0136)
४	(००) (०२) जिल्हा कृषि कार्यालये (२४०१ ०१४५)	7582117	11193166	7109582	11318738					(00) (02) Divisional and District Agriculture Offices. (2401 0145)
५	(००) (०३) जिल्हा कृषि कार्यालये (२४०१ ०१५४)	84826	159965	99113	158323					(00) (03) District Agriculture Officers. (2401 0154)
६	(००) (००७) जिल्हा परिषदांना आस्थापना अनुदाने (२४०१ ०१६३)	1225522	1497933	1252421	1553989					(00) (07) Establishment Grants to Zilla Parishads (2401 0163)
७	(००) (०८) संगणक सेवा-कृषि संचालनालय कार्यालयाच्या संगणकीकरण सेवेवरील खर्च (२४०१ १४७३)	50	112	28	112					(00) (08) Computer Services. Expenditure on Computerisation service in the Directorate of Agriculture (2401 1473)
८	१०३ बि-बियाणे (००) (०१) तालुका विजगुणन प्रक्षेत्रे (२४०१ ०२६१)	293295	462192	455508	460646					103-Seeds (00) (01) Taluka Seed Multiplication Farm (2401 0261)
९	(००) (०२) बिज रासायनिक खत नियंत्रण व किडनाशक चाचणी प्रयोगशाळा (२४०१ ०३०५)	221915	252565	224231	263613					(00) (02) Seed testing, Fertilizer Control and Pesticides testing laboratories (2401 0305)

तक्ता-एक (चालू) TABLE-I-Contd.

7

6

5

4

3

2

109-Extension & Farmers Training

१०९ विस्तार व शेतकरी प्रशिक्षण

१० (०१) (०१) कृषि विषयक माहिती पथक (२४०१ ०७३५)

११ (०१) (०२) शेतकरी मासिक (२४०१ ०७४४)

१२ (०१) (४६) वसंतराव नाईक राज्य कृषि व्यवस्थापन व तिच्या सात संलग्न संस्थांना सहाय्यक अनुदान (२४०१ ४२५८)

११० पिक विमा

१३ (००) (०८) प्रधानमंत्री पिक विमा योजनेअंतर्गत विमा हप्त्यासाठी अर्थसहाय्य (राज्य हिस्सा) (२४०१ ए ६६४)

१४ (००) (१०) प्रधानमंत्री फसल विमा योजनेअंतर्गत पुरक अनुदान (२४०१ बी ०५२)

मागणी क्र. डी-३

२४०२-मृदू व जलसंधारण

१०१-मृदू सर्वेक्षण व चाचणी

१५ (००) (०२) मृदू सर्वेक्षण आणि अन्वेषण व मृदू विश्लेषण रसायन प्रयोगशाळा (२४०२ ००३२)

मागणी क्र. डी-३

२४१५-कृषि विषयक संशोधन व शिक्षण

१२०-इतर संस्थांना सहाय्य

१६ महाराष्ट्र कृषि विषयक शिक्षण व संशोधन परिषदेला सहाय्यक अनुदान (२४१५ ००६१)

(01) (01) Agriculture Information Unit (2401 0735)

(01) (02) Shetkari Magazine (2401 0744)

(01) (46) Grant-in-aid to Vasantrao Naik State Agricultural Management Training Institute Nagpur and its Seven allied Institutes. (2401 4258)

110 Crop Insurance

(00) (10) Supplementary Grant for Pradhanmantri Crop Insurance Scheme (2401 B 052)

(00) (10) Supplementary Grant for Pradhanmantri Crop Insurance Scheme (2401 B 052)

Demand No. D-3

2402-Soil and Water Conservation

101-Soil Survey Testing

(00) (02) Soil Survey and Trial & Soil Analysis Chemical Laboratories (2401 0032)

Demand No. D-3

2415-Agricultural Research and Education

120-Assistance to other Institutions

Grants in aid to Maharashtra Council of Agricultural Education and Research (2415 0061)

10820

38400

119932

2000000

200000

312582

7380

24396

86565

20538000

100000

287825

11266

37716

112384

16538000

100000

292846

8636

18676

75358

23458395

185398

215303

14664

34777

12205

34552

तक्ता-एक (चालू) TABLE-I-Contd.

1	2	3	4	5	6	7
	मागणी क्र. डी-७					DEMAND No. D-7
	२७०२ लहान पाटबंधारे					2702 Minor Irrigation
१७	१०४ आयाकट विकास (००) (०१) अन्विक्षा नि प्रयोग निर्देशन प्रक्षेत्रे (२७०२ १९३३)	1960	3780	3780	3969	104 Ayacut Development (00) (01) Trial Cum Demonstration Farms (2702 1933)
	मागणी क्र. डी-११					DEMAND No. D-11
	७६१० शासकीय कर्मचारी इत्यादीना कर्जे					7610 Loans to Govt. Servants etc.
१८	२०१ घरबांधणी अग्रीम (७६१० ०२११)	137124	199100	49775	199100	201 House Building Advance (7610 0211)
१९	२०२ मोटी वाहन खरेदी अग्रीम (७६१० ०२२९)	1130	4050	1013	4050	Advances for purpose of motor vehicle (7610 0229)
२०	२०३ इतर वाहन खरेदी अग्रीम (७६१० ०२३८)	..	25	06	25	203 Advances for purchase of other conveyances (7610 0238)
२१	२०४ संगणक खरेदी अग्रीम (७६१० १९२२)	416	1835	459	1835	Advances for purposes of computer (7610 1922)

1 2

DEMAND No. 3

मागणी क्रमांक डी-३

२४०१ पीक संवर्धन

१०२-अन्नधान्य पिके

(००) (३०) पिकावरील किडरोग सर्वेक्षण

व सल्ला प्रकल्प (१०० टक्के राज्य योजना) 176936

(२४०१ ए १२४२)

(००) (३३) कृषि उन्नती योजना राष्ट्रीय

अन्न सुरक्षा अभियान-अन्नधान्य पिके

(केंद्र पुरस्कृत योजना)

(राज्य हिस्सा ४० टक्के) (२४०१ ए २३४)

(००) (३४) मुख्यमंत्री कृषि व अन्न प्रक्रिया

योजना (१०० टक्के राज्य योजना)

(२४०१ ए ७११)

155963

(००) (३६) प्रधान मंत्री सूक्ष्म अन्न प्रक्रिया

उद्योग योजना (केंद्र पुरस्कृत योजना)

(राज्य हिस्सा ४० टक्के) (२४०१ बी ३४८)

..

१०३-बी-वियाणे

(००) (२७) कृषि उन्नती योजना वियाणे

व लागावड उप अभियान

(केंद्र पुरस्कृत योजना)

(राज्य हिस्सा ४० टक्के) (२४०१ ए १५४)

96929

(००) (२८) किमान आधारभूत किंमत

(एमएसपी) आणि कृषि उत्पन्न बाजार

समिती आधारभूत दर यामधील फरकाची

रक्कम बिजोत्पादक शेतकऱ्यांना देण्याबाबत

(१०० टक्के राज्य कार्यक्रम (कार्यक्रम) (२४०१ ए १२२)

2401 Crop Husbandary

102-Food Grains Crops

(00) (30) Crop pest surveillance

and advisory project (plan)

(100% State Plan)(2401 9242)

250000

(00) (33) Krushi Ummati Yojana-

National food Security Mission-

Food Grain Crops (CSS)

(State Share 40%) (2401 A234)

932300

(00) (34) Chief Ministers Agriculture

and Food processing Scheme

(100% State Plan) (2401 A791)

750000

(00) (36) Pradhan Mantri Micro Food

processing Industry Scheme

(CSS) (State Share 40%) (2401 B348)

333300

(103)-Seeds

(00) (27) Krushi Ummati Yojana-

Seed Plantation Sub-Mission (CSS)

(State Share 40%) (2401 A 154)

130000

(00) (28) To give difference between

Minimum Support Price (MSP) and

Agriculture Produce Market Committee

Based rate to seed growing farmers

(100% State Plan Scheme) (Scheme)

(2401 A 922)

250000

106600

106600

96929

130051

तक्ता-दोन (चालू) TABLE-II-Contid.

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105-Manures and Fertilizers

१०५-खते व रासायनिक खते

७	(००) (३१) डीएपी व मिश्र रासायनिक खतांचा पुरवठा करण्यासाठी येणारा खर्च भागविण्यासाठी अर्थसहाय्य (राज्य) (२४०१ ८२०८)	..	100000	50000	200000	(00)(31) Subsidy to meet expenditure for Supply of DAP and complex fertilizers (Scheme) (2401 8208)
८	(००) (३६) कृषि उन्नती योजना परंपरागत कृषि विकास योजना (केंद्र पुरस्कृत योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ए०६५)	96531	266600	200000	106600	(00) (36) Krushi Unnati Yojana-Paramparagat Krushi Yojana (CSS) (State Share 40%)(GEN)(2401 A065)
९	(००) (३७) सेंद्रिय शेती/विषमुक्त शेती (राज्य कार्यक्रम) डॉ. पंजाबराव देशमुख जैविक शेती मिशनसाठी मिशन प्रोजेक्ट मॅनेजमेंट बोर्ड यांना सहायक अनुदान (कार्यक्रम) (२४०१ ए९३१)	59999	207597	104797	100000	(00)(37) Sendriya Sheti/ Vishmukta Sheti (State Scheme) For Implementation of Dr. Panjabrao Deshmukh Jaivik Sheti Mission Grant in Aid to Mission Project to Management Board (Scheme) (2401 A931)

107

108-Commercial crop.

१०८-वाणिज्यिक पिके

१०	(०१) (१६) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-कापूस (कें. पु. योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ए २५२)	8940	13883	13883	13800	(01) (16) Krushi Unnati Yojana-National Food Security Mission Cotton (CSS) (State Share 40%)(GEN) (2401 A 252)
११	(०२) (११) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-ऊस-(कें. पु. योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ए २४३)	14004	17243	17243	17200	(02) (08) Krushi Unnati Yojana-National Food Security Mission Sugarcane (CSS) (State Share 40%)(GEN) (2401 A 243)
१२	(०२) (१२) ऊस पिकांखालील क्षेत्र सुक्ष्म सिंचनाखाली आणण्याची योजना (जिल्हा मध्यवर्ती सहकारी बँकांना देय व्याजाचा राज्य हिस्सा) (कार्यक्रम) (२४०१ ए८१५)	1	(02) (12) Scheme for Micro Irrigation of Sugarcane Crops (State Share of Interest payable to District Central Co-operative Bank) (Scheme)(2401 A815)

तक्ता-दोन (चालू) TABLE-II-Contd.

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1	2	3	4	5	6	7
	१०९-विस्तार व प्रशिक्षण					109-Extension and Training.
१३	(०१) (०३) पिक स्पर्धा (२४०१ ०७५३)	..	८५००	६३७५	३६४४४	(०१)(०३) Crop Competition (2401 0753)
१४	(०१) (३९) शेतकऱ्यांचे देशाबाहेर अभ्यास दौरा (राज्य योजना) (२४०१ ४३६५)	..	४००००	१	१००००	(०१) (39) Study tours of Farmers outside the Country. (State Plan) (2401 4365)
१५	(०१)(४३) कृषि उन्नती योजना राज्याच्या कृषि विस्तार कार्यक्रमांना विस्तार विषयक सुधारणाकारिता सहाय्य उपअभियान (केंद्र पुरस्कृत योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ४४३६)	२१३७१९	२६६६००	२६६६००	२६६६००	(०१) (43) Krishi Unnati Yojana-Sub Mission on Support to State Agriculture Extension Programme for Extension Reforms (CSS) (State share 40%) (2401 4436)
१६	(०१)(४७) वसंतराव नाईक राज्य कृषि व्यवस्थापन प्रशिक्षण संस्था (राज्य योजना) (२४०१ २६४९)	..	६००००	२००००	६००००	(०१) (47) Establishment of Vasant Rao Naik Krishi Vyavasthapan Prashishan Sanstha (State Plan) (2401 2649)
१७	(०१)(५३) कृषि उन्नती योजना-राष्ट्रीय विकास योजनेअंतर्गत अर्थसहाय्य (केंद्र पुरस्कृत योजना) (राज्य हिस्सा ४० टक्के) (२४०१ २२७२)	५२७१८	१६००००	१६००००	१३३३००	(०१)(53) Krishi Unnati Yojana-National Mission on Sustainable Agriculture RAD Prog. (CSS) (State Share-40%) (Gen) (2401 A272)
१८	(०१)(५४) जिल्हा कृषि महोत्सव योजना (राज्य योजना १०० टक्के) (२४०१ २६९१)	..	६८०००	३४०००	६८०००	(०१)(54) District Agriculture Festival Scheme (State share 100%) (2401 A691)
१९	(०१)(५५) गट शेतीस प्रोत्साहन व सबलीकरणसाठी शेतकऱ्यांच्या गटशेतीस चालना देणे (राज्य योजना १०० टक्के) (२४०१ २७८२)	४४१११३	११०००००	५५००००	७५००००	(०१)(55) Implementation of Group Farming Scheme for promotion and strengthening of Group Farming (State share 100%)(2401 A782)
२०	(०१)(५७)-राष्ट्रीय शाश्वत शेती अभियान वन शेती उप अभियान (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ २८३३)	४१५६	५३२२	५३२२	१०५००	(०१)(57) National Mission for sustainable Agriculture-Sub Mission on Agro Forestry (CSS) (State Share-40%) (2401 A833)

तक्ता-दोन (चालू) TABLE-II-Contid.

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1	2	3	4	5	6	7
	११०-पीक विमा					110 Crop Insurance Schemes
२१	(००) (०६) शेतकरी अपघात विमा योजना (राज्य योजना) (२४०१ ४४२७)	980702	1100000	600000	1000000	(00)(06) Personal Accident Insurance Schemes for Farmers (State Plan) (2401 4427)
२२	(००) (०७) हवामानावर आधारित फळपीक विमा योजना (राज्य योजना) (२४०१ १४०२)	3800000	3800000	4909600	2500000	(00)(07) Weather Based Fruit Crop Insurance Schemes (State Plan) (2401 9402)
२३	(००) (०९) प्रधानमंत्री पीक विमा योजने अंतर्गत नारळ विमा योजना (राज्य योजना) (२४०१ ए६७३)	..	250	250	250	(00) (09) Coconut Insurance Under Pradhan Mantri Crop Insurance Scheme (State Plan) (2401 A673)
	११३-कृषि अभियांत्रिकी					113 Agriculture Engineering
२४	(००) (१६) कृषि उन्ती योजना-अभियांत्रिकीकरण उप अभियान (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ८७३६)	306896	400000	400000	400000	(00) (16) Krishi Unnati Yojana- Agricultural Mechanization Sub Mission (CSS) (State Share 40%) (2401 8736)
२५	(००)(१८) राज्य पुरस्कृत कृषि अभियांत्रिकीकरण योजना (कार्यक्रम) (२४०१ ए९१३)	397320	760000	380000	1500000	(00)(18) State Sponsored Agricultural Mechanization Scheme (Scheme) (2401 A913)
२६	(००)(२०) प्रधानमंत्री कृषि सिंचन योजना प्रति श्वे अधिक पिक (पुरक पाणी व्यवस्थापन बाबी) (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (सर्वसाधारण) (२४०१ ए९८७)	..	1	1	..	(00)(20) PMKSY per Drop more crop (Supplementary water management activities (CSS) (State share 40%) (General) (2401 A987)
२७	(००)(२१) प्रधानमंत्री कृषि सिंचन योजना (सुक्ष्म सिंचन) (कार्यक्रम) (२४०१ ए९९६)	1563381	2000000	1500000	2120000	(00)(21) Pradhan Mantri Krishi Sinchan Yojana Per Drop More Drop Micro Irrigation (2401 A996)

तक्ता-दोन (चालू) TABLE-II-Contd.

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1	2	3	4	5	6	7
२८	(००)(२२) मुख्यमंत्री शाश्वत कृषि सिंचन योजना (सर्वसाधारण) (कार्यक्रम) (२४०१ बी०७२)	..	2250000	750000	4000000	(00)(22) Chief Minister sustainable Agriculture Irrigation Scheme (General) (2401 B072)
२९	११५-लहान/सीमान्त शेतकऱ्यांची आणि शेतमजुरांची योजना	1640466	3500000	4900000	3500000	115 Scheme of small/Marginal Farmers and Agricultural Labour
३०	(००)(०२) नानाजी देशमुख कृषि संजीवनी प्रकल्प (हवामान अनुकूल कृषि प्रकल्प) (बाह्य हिस्सा ७० टक्के) (कार्यक्रम) (२४०१ ए६४६)	627287	1500000	1840500	1500000	(00) (02) Nanaji Deshmukh Krishi Sanjivani Prakalpa Project on Climate Resilient Agriculture) (External Share 70%) (Scheme) (2401 A646)
३१	(००)(०३) नानाजी देशमुख कृषि संजीवनी प्रकल्प (हवामान अनुकूल कृषि प्रकल्प) (राज्य हिस्सा ३० टक्के) (कार्यक्रम) (२४०१ ए६५५)	9965	210000	210000	425800	(00) (03) Nanaji Deshmukh Krishi Sanjivani Prakalpa (Project on Climate Resilient Agriculture) (State Share 30%) (2401 A655)
३२	(००)(०४) महाराष्ट्र राज्य कृषि व्यवसाय व ग्रामीण परिवर्तन (SMART) प्रकल्प (राज्य हिस्सा २७.५९ टक्के) (कार्यक्रम) (२४०१ ए९५१)	..	490000	490000	1000000	(00)(04) State of Maharashtra Agri. Business and Rural Transformation Programme (SMART) (State Share 27.59%) (2401 A951)
३३	(००)(०५) महाराष्ट्र राज्य कृषि व्यवसाय व ग्रामीण परिवर्तन (SMART) प्रकल्प (राज्य हिस्सा ७२.४१ टक्के) (कार्यक्रम) (२४०१ ए९६९)	100000	..	..	..	(00)(05) State of Maharashtra Agri. Business and Rural Transformation Programme (external Share 72.41%) (Scheme) (2401 A969)
३४	(७८९)-अनुसूचित जाती उपाययोजना	1929	..	..	..	(789) Schedule Caste Scheme
	(००)(०६) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-अन्नधान्य पिके (केंद्र पुरस्कृत योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ए १७२)	..	..	..	..	(00)(37) Krushi Unnati Yojana-National Food Security Mission-Food Grain Crops (CSS) (State Share 40%) (SCSP) (2401 A 172)
	(००)(०८) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-१०८-वाणिज्यीक पीके-ऊस (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए९१२)	(00)(08) Krushi Unnati Yojana-National Food Security Mission-Food Grain Commercial Corps Sugarcane (CSS) (State Share 40%) (SCSP) (2401 A192)

तक्ता-दोन (चालू) TABLE-II-Contid.

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1	2	3	4	5	6	7
३५	(००)(१०) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-१०८-वाणिज्यिक पीके-कापूस (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए२१६)	1483	(01)(10) Krushi Unnati Yojana-National Food Security Mission-Food Grain Crops Commercial Crops-Cotton (CSS) (State Share 40%) (SCSP) (2401 A216)
३६	(००)(१२) कृषि उन्नती योजना-राष्ट्रीय शाश्वत शेती अभियान-अवर्षण प्रवण क्षेत्र विकास कार्यक्रम व हवामान बदल शाश्वत शेती सनियंत्रण प्रतिमाणकरण नेटवर्क कार्यक्रम (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए २१९)	3568	..	..	..	(00)(12) Krushi Unnati Yojana-National Mission on Sustainable Agriculture Rainfed Area Development and Climate Change Sustainable Agriculture, Monitoring, Modelling and Networking Programme (CSS) (State Share 40%) (SCSP) (2401 A299)
३७	(००)(१४) कृषि उन्नती योजना-उप अभियान-कृषि अभियांत्रिकीकरण (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए३१४)	80000	..	..	..	(00)(14) Krushi Unnati Yojana-Sub Mission on Agricultural Mechanisation (CSS) (State Share 40%) (SCSP) (2401 A314)
३८	(००)(२४) प्रधानमंत्री कृषि सिंचन योजना प्रति थंब अधिक पिक (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए४१२)	53631	..	..	..	(00)(24) PMKSY per Drop more crop (Micro Irrigation) (CSS) (State share 40%) (2401 A412)
३९	(००)(२५) कृषि उन्नती योजना-कृषि विस्तार कार्यक्रमाना विस्तार विषयक सुधारणा करण्या-करिता सहाय्य उप अभियान (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए४२१)	18671	..	..	..	(00)(25) Krushi Unnati Yojana-Mission Agriculture Extension Support to State Extension Programmes for Extension Reforms (CSS) (State Share 40%) (2401 A421)
४०	(००)(२८) कृषि उन्नती योजना-परंपरागत कृषि विकास योजना (कें.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए ७१७)	8416	(00)(28) Krushi Unnati Yojana-Paramparagat Krishi Vikas Yojana (CSS) (State Share 40%) (SCSP) (2401 A 717)

तक्ता-दोन (चालू) TABLE-II-Contd.

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1	2	3	4	5	6	7
४१	(००)(३०) कृषि उन्नती योजना-राष्ट्रीय कृषी विकास योजनांतर्गत अर्थसहाय्य (राज्य हिस्सा ४० टक्के) (२४०१ ए ७३५)	119600	(00)(30) Krushi Unnati Yojana-Financial Assistances under Rashtriya Krushi Vikas Yojana (CSS) (State Share 40%) (2401 A 735)
४२	(००) (३२) राष्ट्रीय शाश्वत शेती अभियान वन शेती उप अभियान (कॅ.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०१ ए ८७१)	582	..	..	..	(00) (32) National Mission for sustainable Agriculture Sub Mission on Agro Forestry (CSS) (State Share 40%) (2401 A 871)
	८००-इतर खर्च					800-Other Expenditure
४३	(००)(०२) विशेष घटक योजना-विशेष घटक योजनेखाली बि-बियाणे इ. साठी अर्थसहाय्य (२४०१ ए २४४२)	263694	250000	245000	300000	(00)(02) 800 Other Expenditure (00)(02) Special Component Plan Input subsidy under S.C.P. (2401 2442)
४४	(००)(११) कृषि उन्नती योजना-राष्ट्रीय कृषि विकास योजनेअंतर्गत अर्थसहाय्य (पंचवार्षिक योजनेंतर्गत योजना) (राज्य हिस्सा ४० टक्के) (२४०१ ए २२५)	1172174	1250000	1000000	1500000	(00)(11) Krushi Unnati Yojana-Financial Assistances under Rashtriya Krushi Vikas Yojana (CSS) (State Share 40%) (2401 A 225)
	मागणी क्र. डी-३					Demand No. D-3
	२४०२-मृद व जलसंधारण					2402-Soil and Water Conservation
४५	१०१-मृद सर्वेक्षण व मृद चाचणी (००) (१५) कृषि उन्नती योजना-मृदा आरोग्य व्यवस्थापन-उप अभियान (कॅ.पु.यो.) (योजना) (राज्य हिस्सा ४० टक्के) (२४०२ ए०१२)	..	20000	20000	20000	101-Soil Survey and Testing (00) (15) Krushi Unnati Yojana-Soil Health Management Sub Mission (CSS) (State Share 40%) (GIEN) (2402 A012)
४६	(००) (१७) कृषि उन्नती योजना-मृदा आरोग्य पत्रिका (कॅ.पु.यो.) (राज्य हिस्सा ४० टक्के) (२४०२ ए०५९)	243151	133400	133400	53300	(00) (17) Krishi Unnati Yojana-Soil Health Card (CSS) (State Share 40%) (2402 A059)

तक्ता-दोन (समाज) TABLE-II-Contd.

1	2	3	4	5	6	7
	मागणी क्र. डी-७ सचिवालयीन-आर्थिक सेवा-३४५१					Demand No. D-7 Secretariat-Economics Services-3451
४७	(००) (०१) शासकीय कर्मचाऱ्यांना प्रशिक्षण (कृषि) (३४५१ २९६२)	6000	10000	7500	10000	(00) (01) Training for Government Employees (Agriculture) (3451 2962)
४८	(०२) (०४) ई-गव्हर्नन्स कार्यक्रम अंमलबजावणी १७-संगणक खर्च (३४५१ २७८२)	195619	350000	87500	250000	(02) (04) Implementation of E-Governance Programme (Agriculture) 17-Computer Expenses (3451 2782)

केंद्र पुरस्कृत योजना Centrally Sponsored Scheme
तत्कालीन TABLE III

(कार्यक्रम केंद्र पुरस्कृत) Plan Scheme (Central)

(कार्यक्रम केंद्र पुरस्कृत) Plan Scheme (Central)

वित्तीय आवश्यकता : Financial Requirement :

तत्कालीन TABLE III

प्रत्यक्ष खर्च सन २०१९-२० अर्थसंकल्पीय अंदाज सन २०२०-२१ सुधारित अंदाज सन २०२०-२१ अर्थसंकल्पीय अंदाज सन २०२१-२२

अ. क्र. तमशील

Actual Exp. 2019-20 Budget Estimate 2020-21 Revised Estimate 2020-21 Budget Estimate 2021-22

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1	2	3	4	5	6	7
						DEMAND No. 3
						2401-Crop Husbandary
						001-Directorate & Administration
						102-Food Grain Crops
						(00) (25) Krushi Unnati Yojana
						National Food Security Mission
						Food Grain Crops (CSS) (Central Share 60%) (SCSP) (2401 4614)
						103-Seeds
						(00) (23) Seed Production Programme in selected area (CSS) (Central Share 100%) (2401 3995)
						105-Fertilisers
						(00) (35) Krushi Unnati Yojana
						Paramaragat Krushi Vikas Yojana (Centrally Sponsored Scheme) (CSS) (Central Share-60%) (Gen.) (2401 A 056)
						107-Plant Protection
						(00) (16) Plant protection Submission (100% Centrally Sponsored Scheme) (2401 9536)
						108-Commercial Crop
						(01) (02) Intensive Cotton Development Programme (CSS) (Central Share 60%)(2401 2542)
						(02) (08) Sugarcane Development Programme in Vidarbha, Marathwada and Khandesh Region. (CSS) (Central Share 100%) (2401 4051)
१	मागणी क्रमांक डी-३ २४०१ पीक संवर्धन ००१-संचालन व प्रशासन १०२-अन्धान्य पिके (००) (२५) कृषि उन्नती योजना राष्ट्रीय अन्न सुरक्षा अभियान-अन्धान्य पिके (कें. पु. यो.) (केंद्र हिस्सा १०० टक्के) (२४०१ ४६१४)	1036102	1400000	1400000	1400000	
२	१०३-वी विवाणे (००) (२३) निवडक क्षेत्रात विवाणे उत्पादनाचा कार्यक्रम (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा १०० टक्के) (२४०१ ३९९५)	76672	160000	160000	200000	
३	१०५-खते व रासायनिक खते (००) (३५) कृषि उन्नती योजना परंपरागत कृषि विकास योजना (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ०५६)	144796	600000	300000	160000	
४	१०७-रोप संरक्षण (००)(१६)-रोप संरक्षण उप अभियान (१०० टक्के कें. पु. यो.) (२४०२ १५३६)	..	100	1	100	
५	१०८-वाणिज्यिक पीके (०१) (०२) सधन कापूस विकास कार्यक्रम (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा ६० टक्के) (२४०१ २५४२)	13410	20800	20800	20800	
६	(०२) (०८) विदर्भ, मराठवाडा व खानदेश प्रदेशात ऊस विकास कार्यक्रम (कें. पु. यो.) (केंद्र हिस्सा १०० टक्के) (२४०१ ४०५१)	21006	26000	26000	26000	

तक्ता-तीन (चालू) TABLE III-Contd.

वित्तीय आवश्यकता : Financial Requirement :

अ. क्र.	तपशील	प्रत्यक्ष खर्च सन २०१९-२० अर्थसंकल्पिय अंदाज सन २०२०-२१ सुधारित अंदाज सन २०२०-२१ अर्थसंकल्पिय अंदाज सन २०२१-२२	Actual Exp. 2019-20	Budget Estimates 2020-21	Revised Estimates 2020-21	Budge Estimates 2021-22	Details
1	2	3	4	5	6	7	
७	१०९-विस्तार व प्रशिक्षण (०१) (४४) कृषि उन्नती योजना राज्य कृषि विस्तार कार्यक्रमाना विस्तार विषयक सुधारणाकारिता सहाय्य उप अभियान (कें.पु.यो.) (केंद्र हिस्सा ९० टक्के) (२४०१ ४४४५)	277798	400000	400000	400000	400000	(109) Extension & Training. Krishi Unnati Yojana Sub Mission Support to state Ext. Programme (CSS) for extension reforms (Central Share 60%) (2401 4445)
८	(०१)(५१) राष्ट्रीय शाश्वत शेती अभियान क्षेत्र विकास कार्यक्रम (६० टक्के कें.पु.यो.) (२४०१ १५५४)	77913	240000	240000	240000	200000	(01)(51) National Mission for sustainable Agriculture Rainted Area Development Programme (Central Share 60%) (2401 9554)
९	(०१) (५६) राष्ट्रीय शाश्वत शेती अभियान वन शेती उप अभियान (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ८२४)	6489	8000	8000	8000	15800	(01) (56) National Mission for sustainable Agriculture-Sub Mission on Agro Forestry (CSS)(Central Share 60%) (2401 A 824)
१०	१११-कृषि अर्थशास्त्र व सांख्यिकी (००) (०९) कृषिविषयक माहितीच्या आकडेवारीची तत्परतेने पुरवठा करणे (कें.पु.यो.) (केंद्र हिस्सा १०० टक्के) (२४०१ २५६९)	29180	39500	39500	39500	40000	111-Agricul. Economic & Statistics (00)(09) Statistics timely reporting of Agricultural Intelligency. (CSS) (Central Share 100%) (2401 2569)
११	(००) (१०) जागतिक कृषि गणना (कें.पु.यो.) (केंद्र हिस्सा १०० टक्के) (२४०१ ०९९६)	26810	27500	27500	27500	16900	(00) (10) World Agricultural census (CSS) (Central Share 100%) (2401 0996)
१२	(००) (११) पिकाच्या आकडेवारीत सुधारणा करण्याची योजना (कें.पु.यो.) (२४०१ २५७८)	11242	25000	25000	25000	25500	(00) (11) Scheme for improvement of Crop statistic (CSS) (2401 2578)
१३	११३-कृषि अभियांत्रिकी (००) (०७) प्रधानमंत्री कृषि सिंचन योजना प्रति थंब अधिक पीक (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ २५०४)	1376899	3000000	3000000	3000000	3200000	113-Agriculture Engineering (00) (07) Pradhanmantri Krishi Sinchan Yojana-Per drop more crop (CSS) (Central Share 60%) (2401 2501)
१४	(००)(०८) कृषि यांत्रिकीकरणस प्रोत्साहन (कें.पु.यो.) (केंद्र हिस्सा १०० टक्के) (२४०१ २५१३)	464337	600000	600000	600000	600000	(00)(07) Promotion of Agriculture Mechanisation (CSS) (Central Share 60%) (2401 2504)
१५	(००)(१९) प्रधानमंत्री कृषि सिंचन योजना- प्रति थंबअधिक पीक (पुरक पाणी व्यवस्थापन बाबी) (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (सर्वसाधारण) (२४०१ ए ९७८)	..	1	1	1	..	(00)(19) PMKSY-Per drop more crop (Supplementary water management activities) (CSS)(Central Share 60%) (2401 A978)

तक्ता-तीन (यावू) TABLE III-Contd.

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(789) Scheduled Castes Sub-Plan

(७८९)-अनुसूचित जाती उपाययोजना

१६	(००)(०५) कृषि उन्नती योजना-राष्ट्रीय अन्नसुरक्षा अभियान-अन्नधान्य पिके (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा ६० टक्के) (२४०१ ए १६३)	150000	(00)(05) Krushi Unnati Yojana-National Food Security Mission-Food Grain Crops (CSS) (Central Share 60%) (SCSP) (2401 A 163)
१७	(००)(०७) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-१०८-वाणिज्यीक पीके-ऊस (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए १८१)	2893	..	..	..	(01)(07) Krushi Unnati Yojana-National Food Security Mission-Food Grain Crops-Commercial Crops Sugarcane (CSS) (Central Share 60%) (SCSP) (2401 A181)
१८	(००)(०९) कृषि उन्नती योजना-राष्ट्रीय अन्न सुरक्षा अभियान-१०८-वाणिज्यीक पीके-कापूस (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए २०७)	2225	..	..	..	(01)(09) Krushi Unnati Yojana-National Food Security Mission-Food Grain Crops Commercial Crops-Cotton (CSS) (Central Share 60%) (SCSP) (2401 A207)
१९	(००)(११) कृषि उन्नती योजना-राष्ट्रीय शाश्वत शेती अभियान-अवर्षण प्रवण क्षेत्र विकास कार्यक्रम व हवामान बदल शाश्वत शेती सनियंत्रण प्रतिमाणकरण नेटवर्क कार्यक्रम (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए २८१)	5017	..	..	..	(00)(11) Krushi Unnati Yojana-National Mission on Sustainable Agriculture Rainfed Area Development and Climate Change Sustainable Agriculture, Monitoring, Modelling and Networking Programme (CSS) (Central Share 60%) (SCSP) (2401 A281)
२०	(००)(१३) कृषि उन्नती योजना-उप अभियान-कृषि अभियांत्रिकीकरण (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए३०५)	130142	..	..	..	(00)(13) Krushi Unnati Yojana-Sub Mission on Agricultural Mechanisation (CSS) (Central Share 60%) (SCSP) (2401 A305)
२१	(००) (२३) प्रधानमंत्री कृषि सिंचन योजना प्रति शेंब अधिक पीक (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ४०३)	69714	(00) (23) Pradhanmantri Krushi Sinchan Yojana-Per Drop More Crop (Micro Irrigation) (CSS) (Central Share 60%) (SCSP) (2401 A 403)

सक्ता-तीन (चालू) TABLE III-Contd.

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२२	(००) (२६) कृषि उन्नी योजना-कृषि विस्तार कार्यक्रमाना विस्तार विषयक सुधारणा करण्या-करिता साहाय्य (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ४३२)	28007	(00) (26) Krushi Unnati Yojana-National Food Security Mission-Mission Agriculture Extension Support to State Extension programme for Extension Reforms (CSS) (Central Share 60%) (SCSP) (2401 A 432)
२३	(००) (२७) कृषि उन्नी योजना-परंपरागत कृषि विकास योजना (केंद्र पुरस्कृत योजना) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ७०८)	12624	..	..	..	(00)(27)Krushi Unnati Yojana-Paramparagat Krushi Vikas Yojana (CSS) (Central Share 60%) (SCSP) (2401 A 708)
२४	(००) (२९) कृषि उन्नी योजना-राष्ट्रीय कृषि विकास योजनांतर्गत अर्थसहाय्य (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ७२६)	179400	..	..	..	(00) (29) Krushi Unnati Yojana-Financial Assistance under Rashtriya Krushi Vikas Yojana (CSS) (2401 A 726)
२५	(००) (३१) राष्ट्रीय शाश्वत शेती अभियान वन शेती उप अभियान (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०१ ए ८६२)	855	..	..	..	(00) (31) National Mission for sustainable Agriculture-Sub Mission on Agro Forestry (CSS) (Central Share 60%)(2401A 862)
२६	८००-इतर खर्च (००) (०९) राष्ट्रीय कृषि विकास योजनेअंतर्गत अर्थसहाय्य (कें.पु.यो.) (२४०१ ए ८२३५)	1892300	2250000	2250000	2250000	800-Other Expenditure (00) (09) Financial Assistance under Rashtriya Krushi Vikas Yojana (CSS) (2401 8235)
२७	मागणी क्रमांक डी-३ २४०२-मृदव जलसंधारण १०१-मृदसर्वेक्षण व चाचणी (००) (१३) मृदा आरोग्य व्यवस्थापन उप अभियान (केंद्र हिस्सा ६० टक्के) (२४०२ ए १०४६)	..	30000	30000	30000	DEMAND No. 3 2402 Soil and Water Conservation 101-Soil Survey and testing (00) (13) Soil health Management (SHM) submission (CSS) (Central Share 60%) (2402 1046)
२८	(००)(१६) कृषि उन्नी योजना-मृदा आरोग्य पत्रिका (कें.पु.यो.) (केंद्र हिस्सा ६० टक्के) (२४०२ ए ०४१)	364778	200000	200000	80000	(00) (16) Krushi Unnati Yojana-Soil Health Card (CSS) (Central Share 60%) (GEN) (2402 A 041)

Boardwise Actual Expenditure of Non Plan Scheme for the Financial Year 2019-20 Mandatory Information

(Rs. In Thousand)

Sr. No.	Head Space	3	4	5	6	7	8	9
		Total Direct Expenditure	Vidarbha Development Board	Marathwada Development Board	The remaining Maharashtra Development Board	Indivisible	Total	Major Head
1	2	3	4	5	6	7	8	9
1	DEMAND No. D-3							DEMAND No. D-3
	a. 2401 Crop Husbandary	37628152913	4280823275	3229176416	30118153222	..	37628152913	2401 Crop Husbandary
	b. 2402	215323942	59362690	55214411	100746841	..	215323942	2402
	c. 2415	12205193	..	..	12205193	..	12205193	2415
	TOTAL DEMAND No. D-3	37855682048	4340185965	3284390827	30231105256	..	37855682048	
2	DEMAND No. D-7							DEMAND No. D-7
	a. 2702	1959570	865350	614220	480000	..	1959570	2702
	b. 3451	..	..	..	..	..	..	3451
	TOTAL DEMAND No. D-7	1959570	865350	614220	480000	..	1959570	
3	DEMAND No. D-11							DEMAND No. D-11
	a. 7610	104560150	36819900	23182250	44558000	..	104560150	7610
	TOTAL DEMAND No. D-11	112578250	44838000	22902250	44838000	..	112578250	
	Total	37962201768	4377871215	3308187297	30276143256	..	37962201768	

Note :-

- 1) The expenditure of remaining Maharashtra is due to more than the expenditure of Marathwada and Vidharbha, due to the finding of all major centers and state sponsored schemes. Since RKVY Assistant Director (Accounts-1) is coming out from the Pune treasury on the basis of the Agricultural Commissionerate, Pune-1, there is an additional expenditure on the remaining Maharashtra for the Mahalekhapaal, Mumbai office. However, the funds generated are distributed in all the districts of Maharashtra.
- 2) The above expenditure does not include district plan (DPDC) arid (RTGS) expenditure.
- 3) The above expenditure does not include other schemes of Agriculture Department i. e. 2053, 2075, 2235, 2245, 2435, 2505, 2251, 4402, 4250, 4515 etc.

Boardwise Actual Expenditure of Plan Scheme for the Financial Year 2019-20 Mandatory Information
(Rs. In Thousand)

Sr. No.	Head Space	Total Direct Expenditure	Vidarbha Development Board	Marathwada Development Board	The remaining Maharashtra Development Board	Indivisible	Total	Major Head
1	2	3	4	5	6	7	8	9
1	DEMAND No. D-3 2401 Crop Husbandary 2402 2415	20099641921 607929000 ..	1622326134	1596213182	16881102605 607929000 ..	.. .. ..	20099641921 607929000 ..	DEMAND No. D-3 2401 Crop Husbandary 2402 2415
	TOTAL DEMAND No. D-3	20707570921	1622326134	1596213182	17489031605	..	20707570921	
2	DEMAND No. D-7 2702 3451	.. 190684603	.. ..	.. ..	.. 190684603	.. ..	.. 190684603	DEMAND No. D-7 2702 3451
	TOTAL DEMAND No. D-7	190684603	..	..	190684603	..	190684603	
3	DEMAND No. D-11 7610	..	..	..	..	..	..	DEMAND No. D-11 7610
	TOTAL DEMAND No. D-11	..	..	..	..	..	..
	Total	20898255524	1622326134	1596213182	17679716208	..	20898255524	

Note :-

- 1) The expenditure of remaining Maharashtra is due to more than the expenditure of Marathwada and Vidharbha, due to the finding of all major centers and state sponsored schemes. Since RKVY Assistant Director (Accounts-1) is coming out from the Pune treasury on the basis of the Agricultural Commissionerate, Pune-1, there is an additional expenditure on the remaining Maharashtra for the Mahalekhapaal, Mumbai office. However, the funds generated are distributed in all the districts of Maharashtra.
- 2) The above expenditure does not include district plan (DPDC) arid (RTGS) expenditure.
- 3) The above expenditure does not include other schemes of Agriculture Department i. e. 2053, 2075, 2235, 2245, 2435, 2505, 2251, 4402, 4250, 4515 etc.

क्यू १३५-(१०० पु.)ओ४*-३.२०२१

शासकीय मुद्रणालय, कोल्हापूर