

ANNUAL REPORT : 2021-22



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE
DIRECTORATE OF PULSES DEVELOPMENT
VINDHYACHAL BHAVAN, BHOPAL-462004
(MADHYA PRADESH)

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Report

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ABOUT THE DIRECTORATE

1.0 The Directorate of Pulses Development (DPD), one of the eight Commodity Development Directorates (CDDs) viz Jute, Cotton, Wheat, Millets, Rice, Sugarcane and Oilseeds, under the *crops division* of the Ministry of Agriculture & Farmers Welfare, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), was established in 1971 at Lucknow (U.P.) by merging the Regional Extension Unit, Ahmedabad (Gujarat). On the recommendations of "CDDs Re-organization Committee", in 1996, the National Head Quarter of pulses commodity was subsequently shifted to Madhya Pradesh, Bhopal. In the Year 2020-21.

Emphasising on the welfare of farmers for overall growth of the agri-sector, the government renamed the Agriculture Ministry as "Ministry of Agriculture and Farmers Welfare" (DA&FW) in the year 2020-21.

2.0 The Directorate of Pulses Development is mandated to co-ordinate and monitor the implementation of all pulse related centrally sponsored/central sector schemes on crops development & research across the country.

3.0 With the bi-focal responsibilities for the assigned states of MP & CG at present, it co-ordinates and monitors all crop related schemes/programmes/Missions in these states. At present National Food Security Mission (NFSM) Pulses is operational in 28 States + 2 UTs, 644 (638+28) districts in the Country and NFSM (Wheat, Pulses, Rice, Sugarcane, Cotton, Jute and Coarse Cereals), National Mission on Sustainable Agriculture (NMSA), National Mission on Agricultural Extension & Technology (NMAET), National Mission on Oilseeds, Oilpalm (NMOOP), Mission on Integrated Development of Horticulture (MIDH), Rashtriya Krishi Vikas Yojana (RKVY) & Bringing Green Revolution In Eastern India (BGREI) etc.

4.0 The Directorate functions as Nodal/Regional office of DA&FW, Govt of India, New Delhi for MP & CG states to represent in State Level Sanction Committees, Inter-Ministerial Central Teams & Task-force etc.

5.0 The Directorate has been instrumental in conceiving and coordinating the Plan interventions initiated since IVth Plan (1969-70 to 1973-74) onward followed by major CSS, the National Pulses Development Project (NPDP) from VIIth Plan, implemented in 17 major states of the country. To supplement the efforts under NPDP, a Special Food Grain Production Program (SFPP) on Pulses was also operationalised during 1988-89 on a 100% Central assistance basis. Under the GOI-UNDP Co-operation (1997-2003), pulses were identified as priority sector, the ICAR-IIPR was given the project assistance.

6.0 The DPD, Bhopal has been actively monitoring the programme implementation at the national level, through National Monitoring Team/ field visits, allocation of Seed Minikits, interface with the Research and other stake holder organizations/ agencies in the country.

7.0 During XIth Plan (2007-08 Rabi)), in pursuance of the resolution adopted in 53rd meeting of National Development Council, a CSS on National Food Security Mission was launched. It was resolved to enhance the production of rice, wheat and pulses by 10, 8 and 2 million tonnes, respectively by the end of XI Plan. To further supplement the efforts to accelerate the pulses production, during XI Plan a centrally sponsored Accelerated Pulses Production Programme (A3P) (2010-11 to 2013-14)-as cluster demonstration approach; Special

initiatives for pulses and oilseeds in dry land area (2010-11); and Integrated development of 60000 Pulses villages in Rainfed Areas (2011-12) both under RKVY and Special plan to achieve 19+ million tonnes of Pulses production during Kharif (2012-13) were also implemented, in addition to NFSM-Pulses. The implementation of the NFSM scheme is continued from XIIth Plan and based on past experiences and performance of XIIth Plan, it has been decided to continue the programme beyond XIIth Plan from 2017-18 onwards.

- 8.0 The DPD *drafted the policy paper/guidelines for NFSM -Pulses, Seed- Rolling Plan*, the draft paper proposed the strategy of area expansion and productivity enhancement in consultation with states and ICAR; restoring soil fertility and productivity; creating employment opportunities; and enhancing farm level economy to restore confidence of farmers of targeted districts. The basic strategies were implementation of interventions in a mission mode through active engagement of all the stake holders at various levels. These interventions include promotion and extension of improved technologies *i.e.*, Seed, INM (micro-nutrient, soil amendments), IPM and resource conservation technologies (RCTs) and capacity building of farmers. Interventions proposed were integrated with the district plan and target for each identified district was fixed. Constant monitoring and concurrent evaluation were proposed for assessing the impact of the interventions for a result oriented approach by the implementing agencies.
- 9.0 The Directorate accomplishes the task relating to analysis of Area ,Production and Productivity trends/impact of developmental programmes ; research areas and identification of bottlenecks and suggest measures for their rectification and also feedback to ICAR-IIPR through institutionalized mechanism of National Conference/Group Meets on Chickpea, Pigeonpea, MULLaRP, Arid Legumes and DAC-ICAR Interface; Interface with National and International Research Organizations and Stake holders on area of crop Research; fixing targets of production and suggest measures to achieve them; to co-ordinate in programmatic review of all CSSs and to organize and coordinate Seminar/Workshop/Conference /Review Meetings at state and national level.
- 10.0 Preparation of Weekly Weather Watch Report (WWWR), monitoring of weather/rainfall pattern/temp/coverage/market arrivals and prices of pulses at national level and for all agricultural crops in the nodal states for review of the **Crop Tracking Committee** meeting of the Ministry; crop tracking during growing season and production estimate forecast, formulation of Annual and Five year National plan, coordination in execution and monitoring of crop production programmes of pulses at national level, assisting states/UTs in initiation, planning, formulation and intensification of crop development programmes in consonance with the ongoing states programme/Contingency Planning/Crop diversification aspects & convergence and monitoring.
- 11.0 To assess the crop loss/damage to agricultural sector during Natural Calamities as Member Inter-Ministerial Central Team (IMCT) representing the Govt. of India, Department of Agriculture & FW;. to act as nodal agency for Technology Transfer/Technology Dissemination/Extension for Pulses Development across the country and to work out Human Resource Development needs at all clientele level and to attend and reply of the Parliament Questions.

12.0 The Other Existing Activities/Functions include

- i) To monitor the NFSM funded project on Creation of Seed-Hub for Increasing Indigenous Pulse Production in India; Enhancing Breeder Seed Production for increasing Indigenous Pulse Production in India; Cluster FLDs on Pulses/ Oilseed undertaken by KVKs of MP and Chhattisgarh states under ATARI Zone-IX; to formulate and monitor the Seed Minikit Programme on Pulses at national level, CSS on MM-I on oilseeds and MM III on Tree Borne Oilseeds (TBOs) in Madhya Pradesh and Chhattisgarh states, Mini Mission-II on Oilpalm in Chhattisgarh state under National Mission on Oilseeds and Oilpalm (NMOOP), Dry Land development activities, extension reforms (ATMA), mechanization etc. under NMSA, NMAE&T and RKVY interventions in the state of Madhya Pradesh and Chhattisgarh.
- ii) To prepare the Quarterly Progress Report and Annual Progress Report NFSM-Pulses, BGREI (Chhattisgarh); NMOOP & RKVY schemes of assigned states.
- iii) To act as Convener/Team Leader, National Level Monitoring Team (NLMT) for Madhya Pradesh and Chhattisgarh under NFSM (Rice, Pulses, Wheat, Commercial Crops, Coarse Cereals) and Bringing Green Revolution in Eastern India (BGREI); To liaise with the other sector as a whole; Build data base and maintain the flow of information and ideas between research and development.
- iv) To provide crop specific advisories, technical inputs to extension agencies and to Extension Division of the Ministry of Agriculture for skill development, national policies and for the Plan year; To participate in the State Central Ministries ICAR institutes, SAUs, International Research Organizations, NGOs and other stake holders in the field of Agri. and allied sectors for better Research-Development interface. Also represent Department of Agriculture and Cooperation on their Committee/ events with a view to have direct interface for onward benefits to formulate farmer friendly schemes at national level with a unified approach for the overall development of agriculture
- v) Level Crop Training Programmes; Developing leaflets/ Literatures on training ma.

Unit-I

Pulses Overview

1.1 Introduction

- Pulses are one of the important food crops globally due to higher protein content. Pulses are an important group of crops in India, which is also responsible for yielding large financial gains by amounting for a large part of the exports. Pulses are the major sources of protein in the diet. Of all categories of people pulses form an integral part of the Indian diet, providing much needed protein to the carbohydrate rich diet. India is the largest producer and consumer of pulses in the world. Pulses are 20 to 25 per cent protein by weight which is double the protein content of wheat and three times that of rice.
- Major pulses are grown chickpeas (Gram/Chana), Pigeon pea (Tur/Arhar), Mungbeans, Urdbeans (Blackgram), Masur (Lentil), Peas and various kinds of Beans (Minor Pulses).
- The main regions with high productivity are Madhya Pradesh, Rajasthan, Maharashtra, Karnataka, Uttar Pradesh, Coastal Andhra Pradesh, Gujarat, Tamil Nadu, Jharkhand, Odisha, Chhattisgarh, Telangana, Bihar and West Bengal delta region.
- India is the second most populous country in the world with $>1/6^{\text{th}}$ of the world's population. The stock of population changed from 102 crore in 2001 to 121 crore in 2011, the exponential population growth rate being 1.64 during 2001 to 2011. Although, India occupies only 2.2% of the world's land area, it supports approx 18% of the world's population.
- The census projection report has further revealed that the proportion of the working age population between 15 and 59 years is likely to increase from 58% in 2001 to $> 64 \text{ per cent}$ by 2021. Such a trend would make the country one of the youngest nations in the world. Thus, one of the India's competitive advantages is its demographic dividend.
- The future agricultural operations are likely to be highly skilled and competitive. The serious challenges to the workforce/youth of these resource poor and rainfed regions viz. lack of skill in scientific crop cultivation, repair and maintenance of farm machineries and implements, production of quality seeds, primary processing, value addition, modern animal husbandry, poor infrastructure (irrigation, godowns/ware houses, trading centres) and organized pulse markets etc. have been considered by the government while formulating the strategy and roadmap to increase the production of pulses.
- The poor nutritional status of the population is a major challenge where low income, small scale's households, has a long term negative implication for economic development. The government has resolved this issue to be addressed through **nutrition-sensitive agriculture interventions**, focusing the pulse crops having multiple nutritional values with essential source of vitamins, micro-nutrient and protein to help attain

nutritional security. Pulses have better enabling environment to promote dietary and production diversity to address hunger and malnutrition at national level.

Focus on pulses production and consumption can help overcome malnutrition: India should include pulses in the public distribution system.

- India, a country with high concentrations of poor and malnourished people, long promoted a cereal-centric diet composed of subsidized staple commodities such as rice and wheat to feed its population of more than a billion. Today, however, dietary patterns are changing. Policy makers, researchers, and health activists are looking for ways to fight hunger and malnutrition in the country. As they shift their focus from calorie intake to nutrition, neglected foods such as pulses (the dried, edible seeds of legumes) are gaining attention. There are three kinds of hunger that needed to be dealt with ó calorie inadequacy, protein deficiency and micronutrient deficiency.
- Pulses are grown in all three seasons. The three crop seasons for the commodity are:
 - **Kharif** : Arhar (Tur), Urd (Blackgram), Moong (Greengram), Lobia (Cowpea), Kulthi (Horsegram) and Moth;
 - **Rabi** : Gram, Lentil, Pea, Lathyrus and Rajmash;
 - **Summer** : Greengram, Blackgram and Cowpea.

1.2 Pulses in Indian Context: 2020-21

1.2.1 India's status of pulse production

- The total world acreage under pulses is about 93.18 (Mha) with production of 89.82 (Mt) at 964 kg/ha yields level. India, with >28 Mha pulses cultivation area, is the largest pulse producing country in the world. It ranks first in area and production with 31 *per cent* and 28 *per cent* respectively. During 2020-21 our productivity at 885 kg/ha, has also increased significantly over last 05 year.
- Thanks to pro-active pulse programme implementation strategies and robust monitoring mechanism of Govt. of India, significant growth in area, production and productivity of pulses has been recorded. More visible and significant increasing trends during 2016-17, 2017-18 and 2020-21, whereby the pulses production reached at 23.13 Mt, 25.42 and 25.46 Mt respectively, is a grand success story in itself. The productivity of pulses has increased 13 *per cent* at 885 kg/ha during 2020-21 and 09 *per cent* at 853 kg/ha during 2017-18 from the level of 786 kg/ha during 2016-17. The production growth has been 10 *per cent* highest over 2016-17.

1.2.2 Pulses share to total foodgrain basket : 2020-21

- In India foodgrains occupy 65% of total gross cropped area comprising cereals in 50% and pulses in about 14%. Within pulses, gram occupies 5% area followed by Mung 3%, Urd & Arhar (2% each), Lentil 1% and the other pulses cover about 2% of gross cropped area.

- Percent share of pulses to total foodgrain production basket remained stagnated between 6-7 *per cent* uptill 2015-16, The multi-pronged strategy of the government to protect the interest of farmers and the consumers has resulted into enhanced *per cent* contribution of about 2-3% from 2016-17 to till now. The area was also observed in increasing trend from 2016-17 between 28-29 Mha (*Table-1, Fig.-1*).
- Deceleration of percent production contribution of pulses to total food grains basket prompted the present dispensation in the Ministry of Agriculture & FW to vigorously pursue the NFSM-Pulses with synergistic approach on Research & Development, procurement, marketing, and import-export policies etc.

(Table-1) : Contribution of pulses to food grains basket.

{Area- Million ha, Production- Million Tones, Yield- kg/ha}

Year	Pulses			Food grains			Pulses share to foodgrains (%)	
	A	P	Y	A	P	Y	A	P
2013-14	25.22	19.26	764	125.05	265.05	2120	20	7
2014-15	23.55	17.15	728	124.30	252.03	2028	19	7
2015-16	24.91	16.32	655	123.22	251.54	2041	20	6
2016-17	29.45	23.13	786	129.23	275.11	2129	23	8
2017-18	29.81	25.42	853	127.52	285.01	2235	23	9
2018-19	29.16	22.08	757	124.78	285.21	2286	23	8
2019-20	27.99	23.03	823	126.99	297.50	2343	22	8
2020-21	28.78	25.46	885	129.80	310.74	2394	22	8

Source: DES, Ministry of Agri. &FW (DA&FW), Govt. of India.

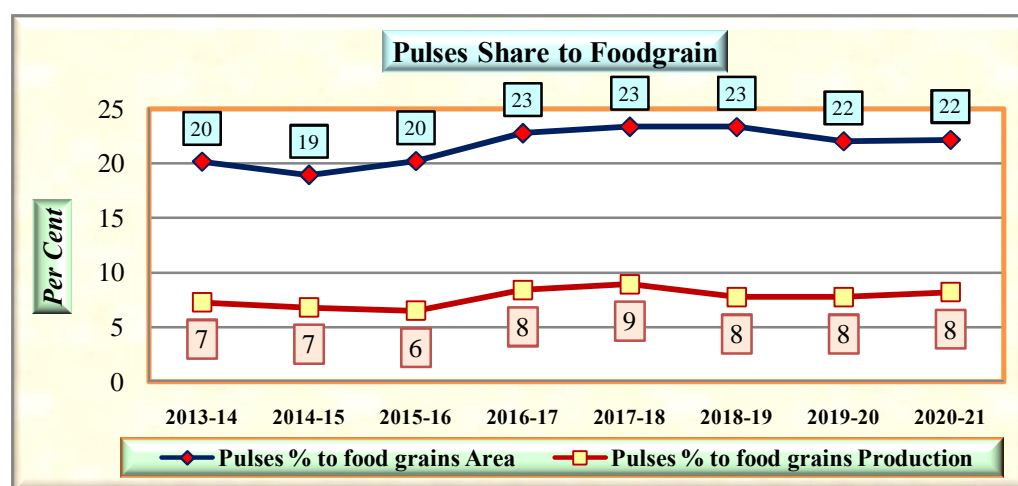


Fig-1: Contribution of Pulses to Foodgrains Basket

1.2.3 Season & crop contribution in total pulse production (2016-17 to 2020-21)

Under individual crop category gram with 45 *per cent* production share to total pulses is the highest contributor followed by tur (17 *per cent*), urd (11%), mung (10%) and Lentil (6%). The crop-wise APY and *per cent* share to total pulses is given below (Table-2, Fig.-2).

(Table -2): Crop contribution to total pulse production

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

Crop	Normal (2016-17 to 2020-21)			Contribution (%)	
	Area	Production	Yield	Area	Production
Gram	98.86	107.37	1086	34	45
Tur	47.17	41.37	877	16	17
Urd	48.07	27.39	570	17	11
Mung	46.07	24.48	531	16	10
Lentil	14.29	13.34	934	5	6
Other Kharif Pulses	18.47	8.05	436	6	3
Other Rabi Pulses	17.45	16.22	930	6	7
Total Kharif Pulses	140.18	87.04	621	48	37
Total Rabi Pulses	150.19	151.18	1007	52	63
Total	290.37	238.22	820		

Source: DES, Min. of Agri. & FW (DA&FW), GOI, OKP, Other Kharif Pulses, ORP – Other Rabi Pulses.

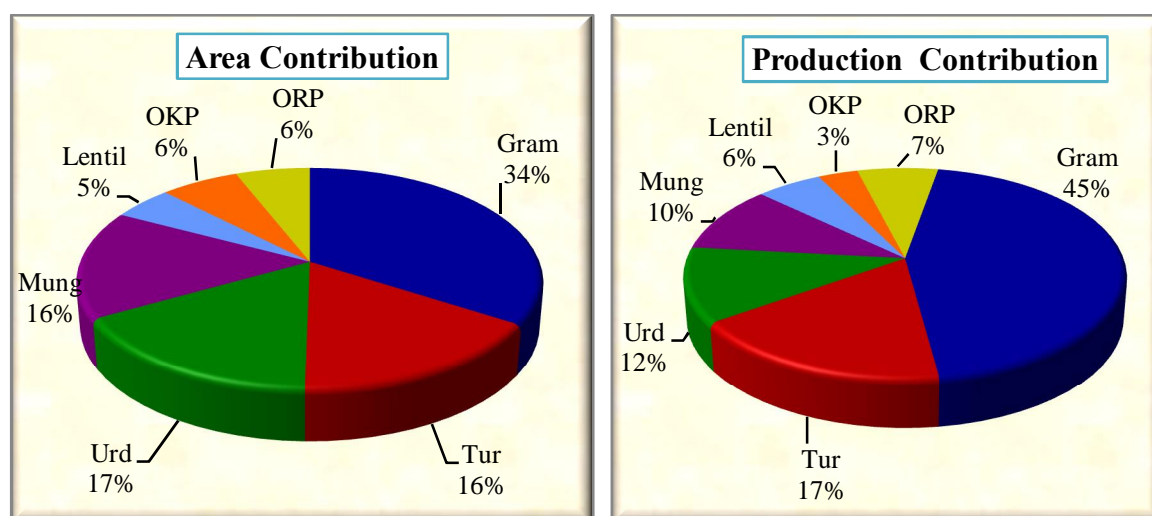


Fig-2: Crop contribution in Total Pulses

1.3 States' Contribution

1.3.1 Total Pulses Scenario : Normal (2016-17 to 2020-21)

- In India, total pulse area and production has been >290 Lha and 238 Lt respectively. Out of the total area >60 Lha is confined to Madhya Pradesh alone, earning a prime status in pulse production commodity contributing a remarkable 21% of the country's pulse area with 25% production, thereby ranking first both in area and production followed by Rajasthan, Maharashtra and Uttar Pradesh with 16%, 15% and 10%.
- More than 90 per cent of total pulse production has been contributed by 10 states of Madhya Pradesh, Rajasthan, Maharashtra, Uttar Pradesh, Karnataka, Andhra Pradesh, Gujarat, Jharkhand, Tamilnadu and Odisha (Table-3, Fig.-3).

(Table -3): States' Contribution in Area & Production of Total Pulses

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Prod.	% Contri.	Yield
1	Madhya Pradesh	60.74	21	59.70	25	983
2	Rajasthan	57.99	20	38.19	16	659
3	Maharashtra	42.58	15	35.71	15	839
4	Karnataka	31.17	11	19.37	8	621
5	Uttar Pradesh	23.62	8	23.43	10	992
6	Andhra Pradesh	13.29	5	10.30	4	775
7	Gujarat	9.62	3	10.58	4	1099
8	Tamil Nadu	8.17	3	5.22	2	639
9	Jharkhand	7.96	3	8.20	3	1030
10	Odisha	7.78	3	4.37	2	561
11	Others	27.45	9	23.15	10	844
All India		290.37		238.22		820

Source: DES, Ministry of Agri. & FW (DA&FW), Govt. Normal Area & Prod. (2016-17 to 2020-21).

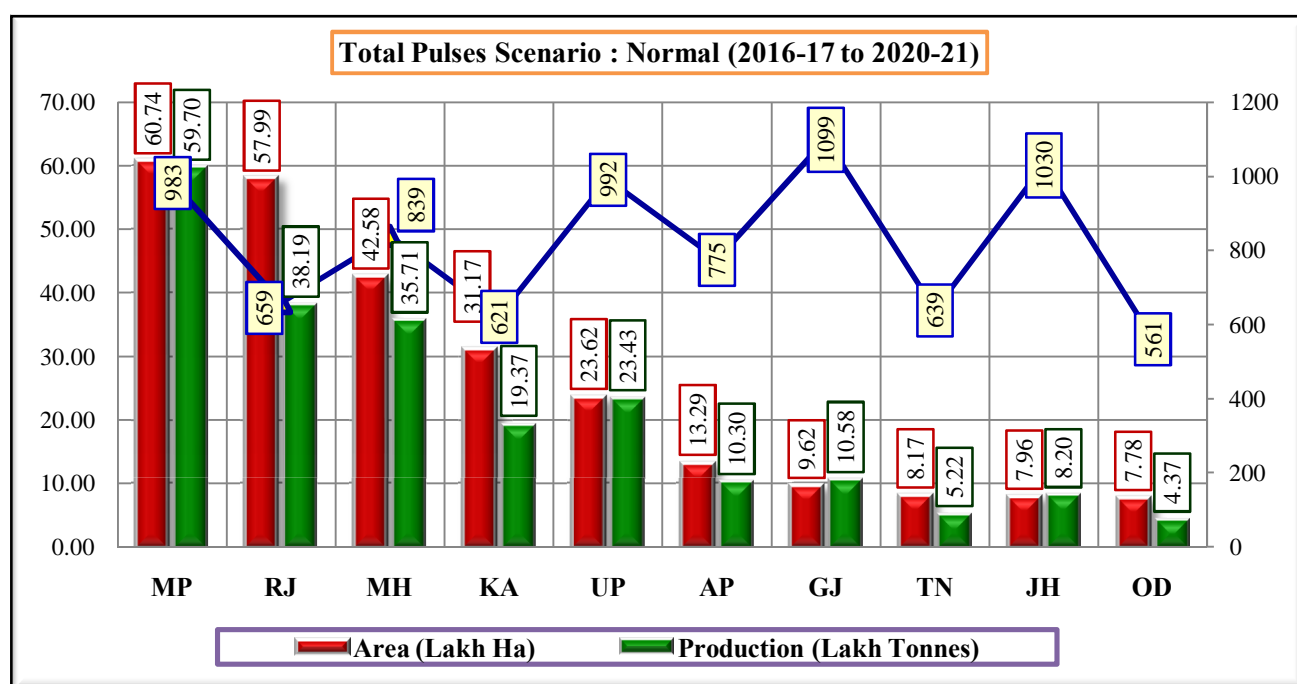


Fig. 3: States' Contribution in Area & Production of Total Pulses

1.3.2 Kharif Pulses Scenario : Normal (2016-17 to 2020-21)

- The Normal area coverage and production of Kharif Pulses has been 140 Lha and 87 Lt respectively. Rajasthan outshined with first rank in area and production both with 28% and 20% respectively followed by Madhya Pradesh (16% each), Maharashtra (15% & 18%) and Karnataka (14% & 15%).
- About 92 per cent of total kharif production was realized from 09 states of Rajasthan, Maharashtra, Madhya Pradesh, Karnataka, Uttar Pradesh, Gujarat, Jharkhand, Telangana and Odisha (Table-4, Fig.-4)).

(Table-4): States Contribution in Area & Production of Kharif Pulses

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Rajasthan	38.89	28	17.71	20	455
2	Madhya Pradesh	22.32	16	13.60	16	609
3	Maharashtra	21.54	15	15.90	18	738
4	Karnataka	19.83	14	12.63	15	637
5	Uttar Pradesh	8.78	6	6.04	7	688
6	Gujarat	5.16	4	4.48	5	869
7	Odisha	4.39	3	2.69	3	613
8	Telangana	4.38	3	3.22	4	735
9	Jharkhand	4.31	3	4.09	5	949
10	Others	10.58	8	6.68	8	632
All India		140.18		87.04		621

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

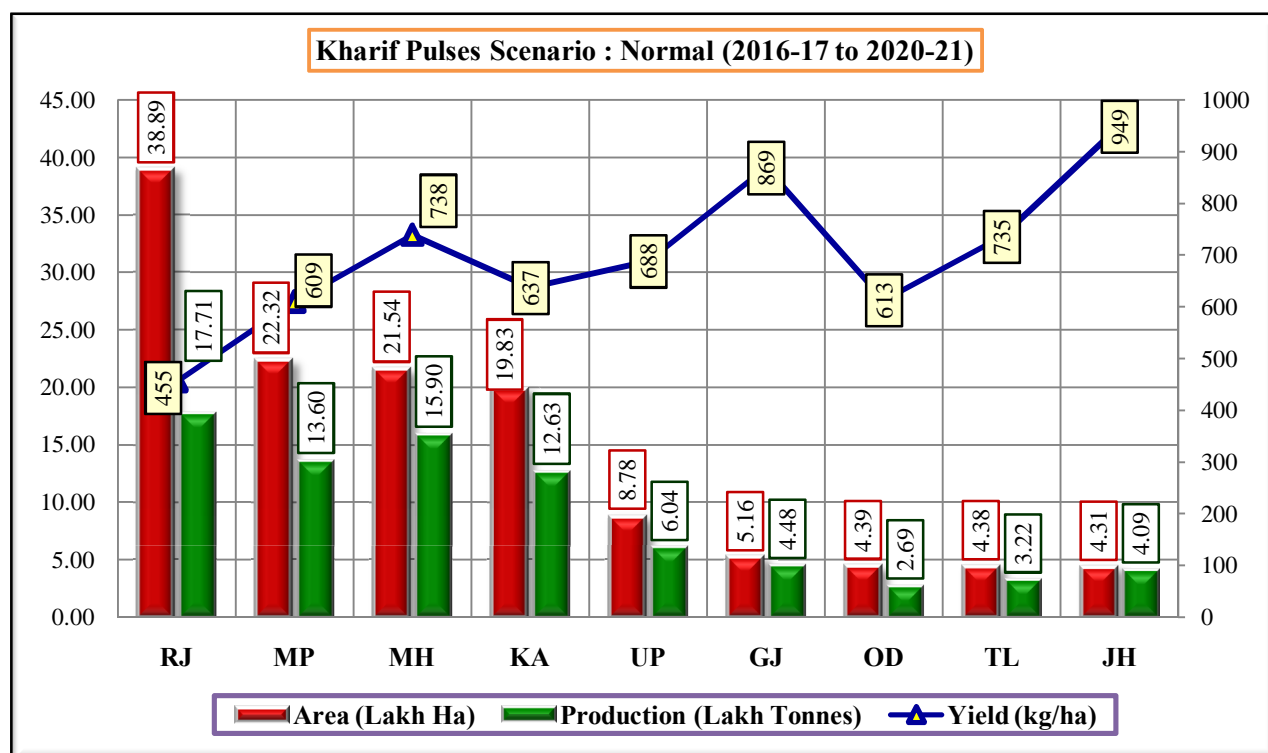


Fig-4: States Contribution in Area & Production of Kharif Pulses

1.3.3 Rabi Pulses Scenario : Normal (2016-17 to 2020-21)

- All India Rabi pulse acreage and production has been recorded 150 Lha and 151 Lt. Madhya Pradesh with 26 per cent of area and 30 per cent of total rabi pulse production in the country outshined at first rank followed by Maharashtra (14% & 13%), Rajasthan (13% & 14%).
- More than 90 per cent pulse production was recorded from 10 states of Madhya Pradesh, Rajasthan, Maharashtra, Uttar Pradesh, Andhra Pradesh, Karnataka, Gujarat, Chhattisgarh, Tamil Nadu and Bihar (Table-5, Fig.,-5).

(Table-5): States Contribution in Area & Production- Rabi Pulses

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Madhya Pradesh	38.41	26	46.10	30	1200
2	Maharashtra	21.04	14	19.81	13	942
3	Rajasthan	19.10	13	20.48	14	1072
4	Uttar Pradesh	14.85	10	17.39	12	1171
5	Karnataka	11.34	8	6.74	4	594
6	Andhra Pradesh	9.63	6	8.77	6	911
7	Tamil Nadu	6.12	4	3.55	2	579
8	Chhattisgarh	5.76	4	4.27	3	741
9	Gujarat	4.46	3	6.09	4	1366
10	Bihar	4.25	3	3.64	2	855
11	Others	15.22	10	14.34	9	942
All India		150.19		151.18		1007

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

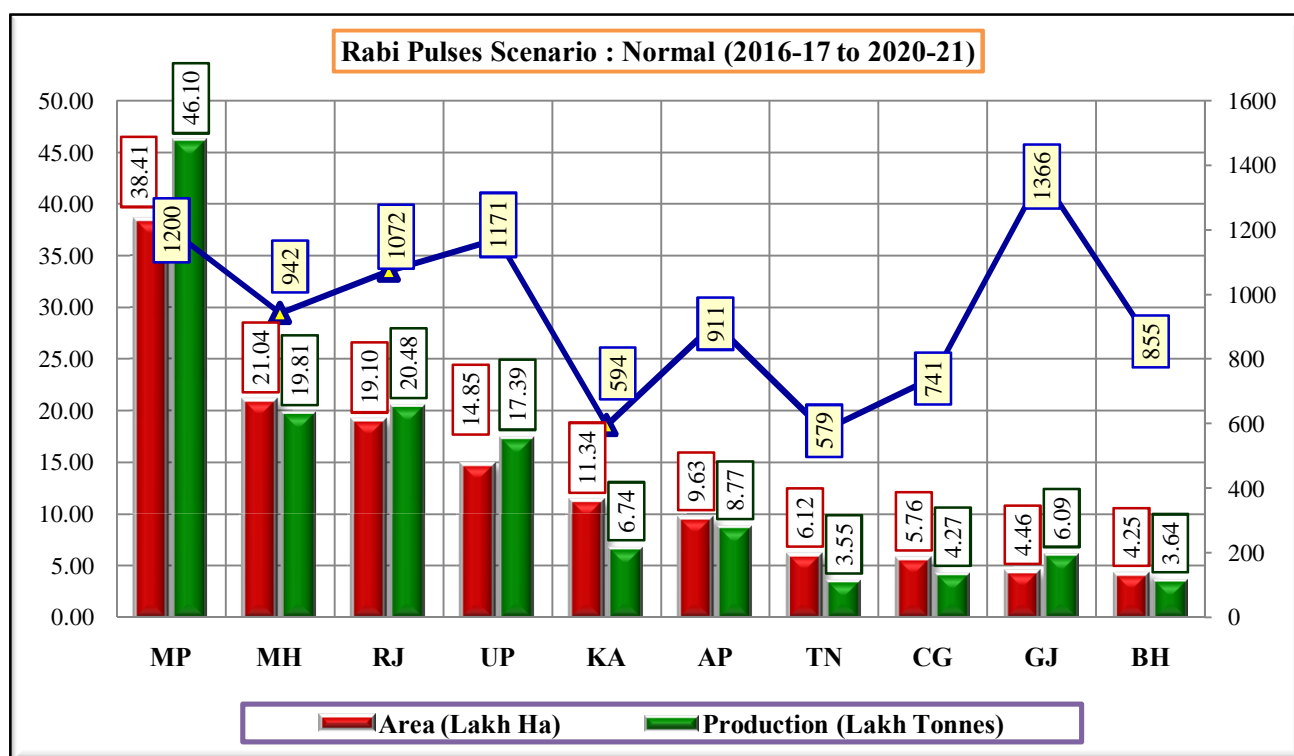


Fig- 5: States Contribution in Area & Production of Rabi Pulses

1.3.4 Gram (Chickpea) Scenario : Normal (2016-17 to 2020-21)

- This crop was cultivated in about 99 Lha. The country harvested a record production of 107 Lt at a highest productivity level of 1086 kg/ha. As usual, MP has contributed a significant 28% of the total gram area and 34% of total gram production in the country, thereby ranking first both in area and production followed by Maharashtra (20% and 18%), Rajasthan (19% & 18%) and Karnataka (10% & 6%).
- About 97 per cent of gram production of the country during the period under report has been realized by 10 states of Madhya Pradesh, Maharashtra, Rajasthan, Karnataka, Uttar Pradesh, Andhra Pradesh, Gujarat, Chhattisgarh and Jharkhand (Table-6, Fig.-6).

(Table-6): States Contribution in Area & Production- Gram

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Madhya Pradesh	28.00	28	36.16	34	1291
2	Maharashtra	19.80	20	19.17	18	968
3	Rajasthan	18.59	19	19.72	18	1061
4	Karnataka	9.95	10	6.14	6	617
5	Uttar Pradesh	5.73	6	7.09	7	1236
6	Andhra Pradesh	4.65	5	4.61	4	992
7	Gujarat	3.70	4	5.42	5	1464
8	Chhattisgarh	3.26	3	2.73	3	838
9	Jharkhand	2.26	2	2.73	3	1208
10	Others	2.92	3	3.60	3	1232
All India		98.86		107.37		1086

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

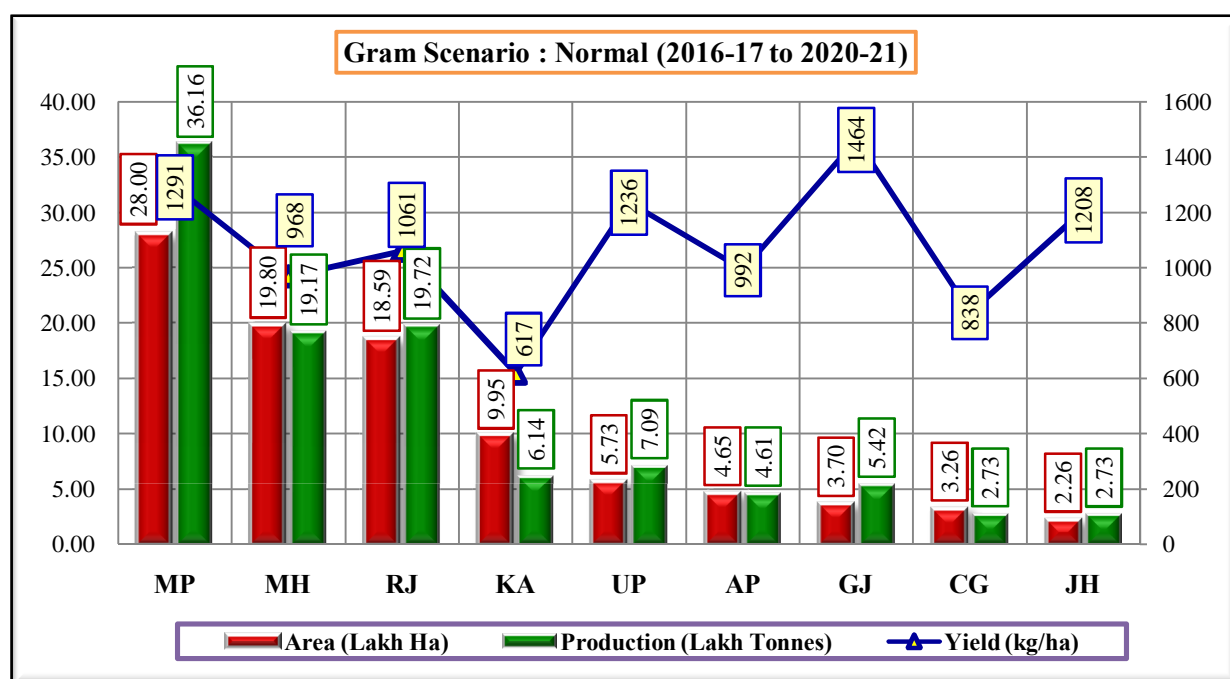


Fig- 6: States Contribution in Area & Production of Gram

1.3.5 Arhar / Tur (Pigeonpea) Scenario : Normal (2016-17 to 2020-21)

- The country's total area coverage and production of tur has been about 47 Lha and 41 Lt respectively. Karnataka ranked first (>13 Lha) contributes 29% in area and 24% in production, whereas, Maharashtra has contributed 27 per cent of area and 28 per cent of total production.
- About 96 per cent of Arhar production of the country during the period under report has been realized by 10 states of Maharashtra, Karnataka, Madhya Pradesh, Uttar Pradesh, Gujarat, Telangana, Jharkhand, Odisha and Andhra Pradesh (Table-7, Fig.-7).

(Table-7): States' Contribution in Area & Production of Arhar /Tur

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Karnataka	13.52	29	9.97	24	737
2	Maharashtra	12.81	27	11.74	28	916
3	Madhya Pradesh	4.04	9	4.72	11	1170
4	Telangana	3.27	7	2.47	6	756
5	Uttar Pradesh	2.90	6	3.09	7	1063
6	Andhra Pradesh	2.71	6	1.00	2	370
7	Gujarat	2.65	6	3.08	7	1163
8	Jharkhand	2.25	5	2.39	6	1060
9	Odisha	1.35	3	1.37	3	1016
10	Others	1.67	4	1.54	4	925
All India		47.17		41.37		877

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

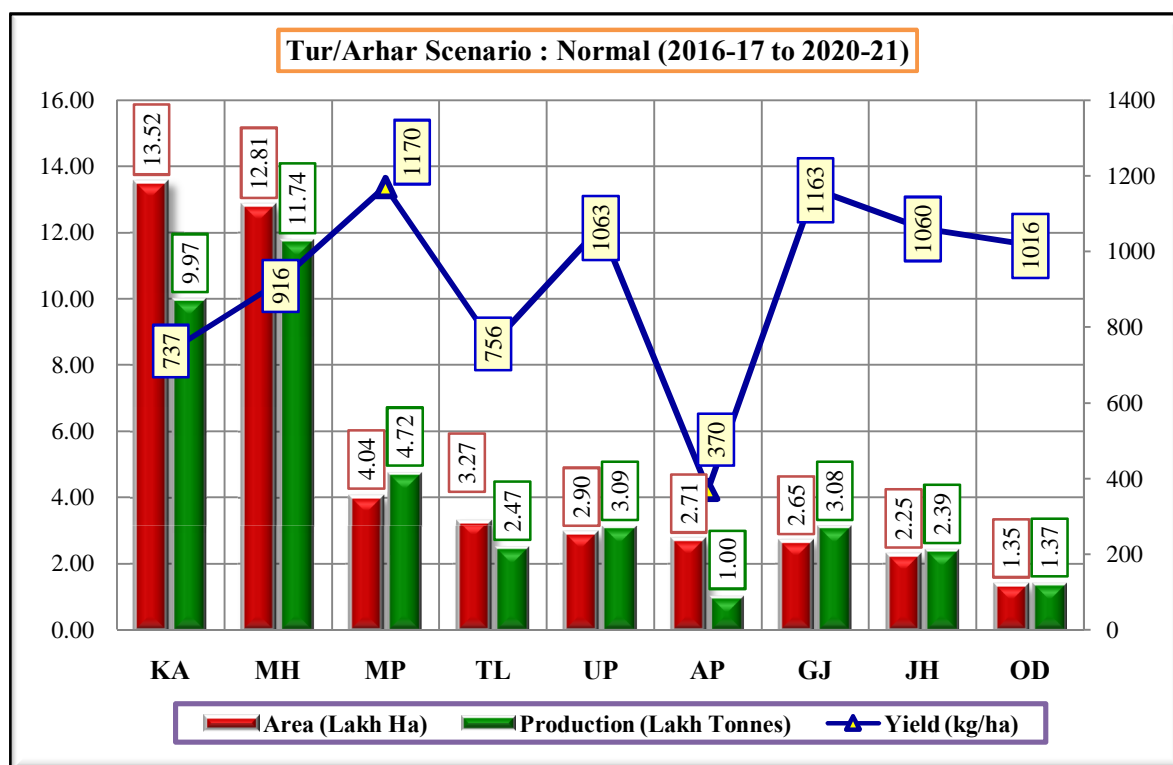


Fig.-7: States' Contribution in Area & Production of Arhar/Tur

1.3.6 Mungbean (Greengram) Scenario : Normal (2016-17 to 2020-21)

- The total coverage under mungbean has been about 46 Lha with a production of 24 Lt. There has been phenomenal increase in area of mungbean in the country from 2015-16 onwards. Rajasthan with 46 per cent area and 45 per cent of production outshined in the total mungbean contribution in the country.
- More than 90 per cent of mungbean production comes from 09 states of Rajasthan, Madhya Pradesh, Maharashtra, Karnataka, Bihar, Odisha, Gujarat, Andhra Pradesh and Tamil Nadu (Table-8, Fig.-8).

(Table-8): States Contribution in Area & Production of Mungbean

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Rajasthan	21.40	46	10.97	45	513
2	Maharashtra	4.29	9	1.96	8	457
3	Madhya Pradesh	4.18	9	3.46	14	828
4	Karnataka	4.15	9	1.43	6	346
5	Odisha	2.51	5	0.87	4	346
6	Bihar	1.70	4	1.13	5	666
7	Tamil Nadu	1.70	4	0.69	3	408
8	Gujarat	1.41	3	0.86	4	611
9	Andhra Pradesh	1.21	3	0.82	3	677
10	Others	3.51	8	2.27	9	646
All India		46.07		24.48		531

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

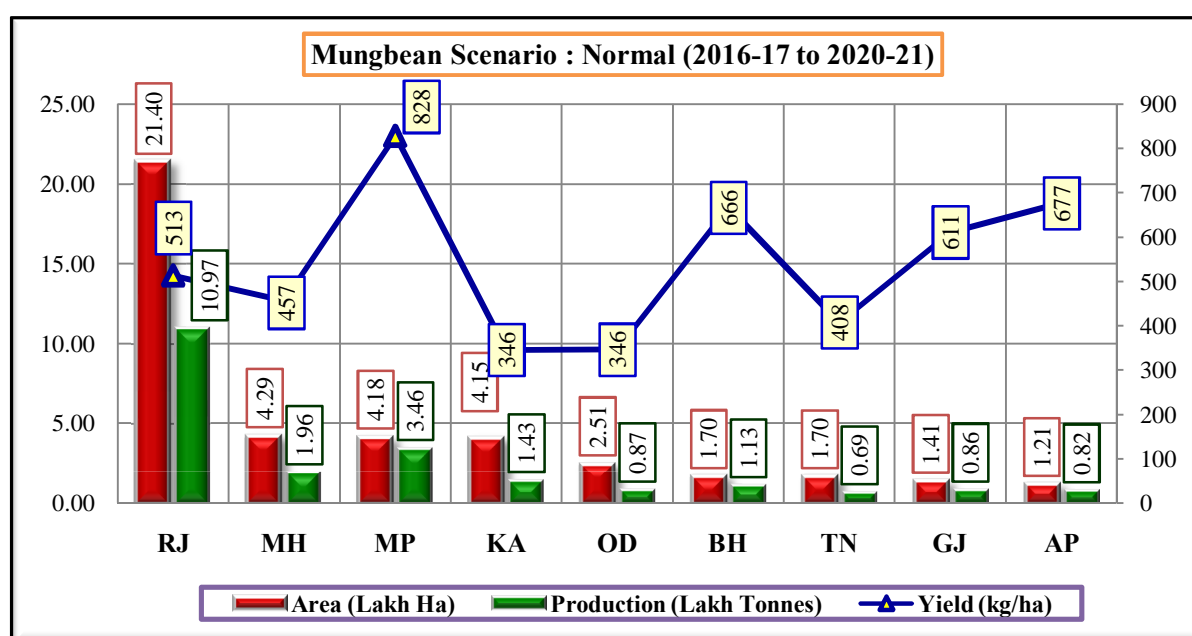


Fig.-8: States Contribution in Area & Production-Mungbean

1.3.7 Urdbean (Blackgram) Scenario : Normal (2016-17 to 2020-21)

- Urdbean crop is also gaining momentum since 2015-16 and there has been phenomenal increase in its coverage. The crop was cultivated in an area of 48 Lha. Madhya Pradesh ranked 1st both in area and production with 36% and 31% followed by Rajasthan & Uttar Pradesh (12% and 11% in each).
- About 92 *per cent* of urdbean production comes from 10 states of Madhya Pradesh, Andhra Pradesh, Rajasthan, Uttar Pradesh, Tamil Nadu, Maharashtra, Jharkhand, Gujarat and Karnataka. (Table-9, Fig.-9)

(Table-9): States Contribution in Area & Production- Urdbean

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Madhya Pradesh	17.23	36	8.61	31	500
2	Rajasthan	5.96	12	2.98	11	500
3	Uttar Pradesh	5.89	12	3.11	11	528
4	Tamil Nadu	4.21	9	2.78	10	662
5	Andhra Pradesh	3.83	8	3.41	12	889
6	Maharashtra	3.50	7	1.67	6	478
7	Jharkhand	1.38	3	1.21	4	876
8	Gujarat	1.32	3	0.88	3	667
9	Karnataka	0.93	2	0.48	2	514
10	Others	3.82	8	2.26	8	591
All India		48.07		27.39		570

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

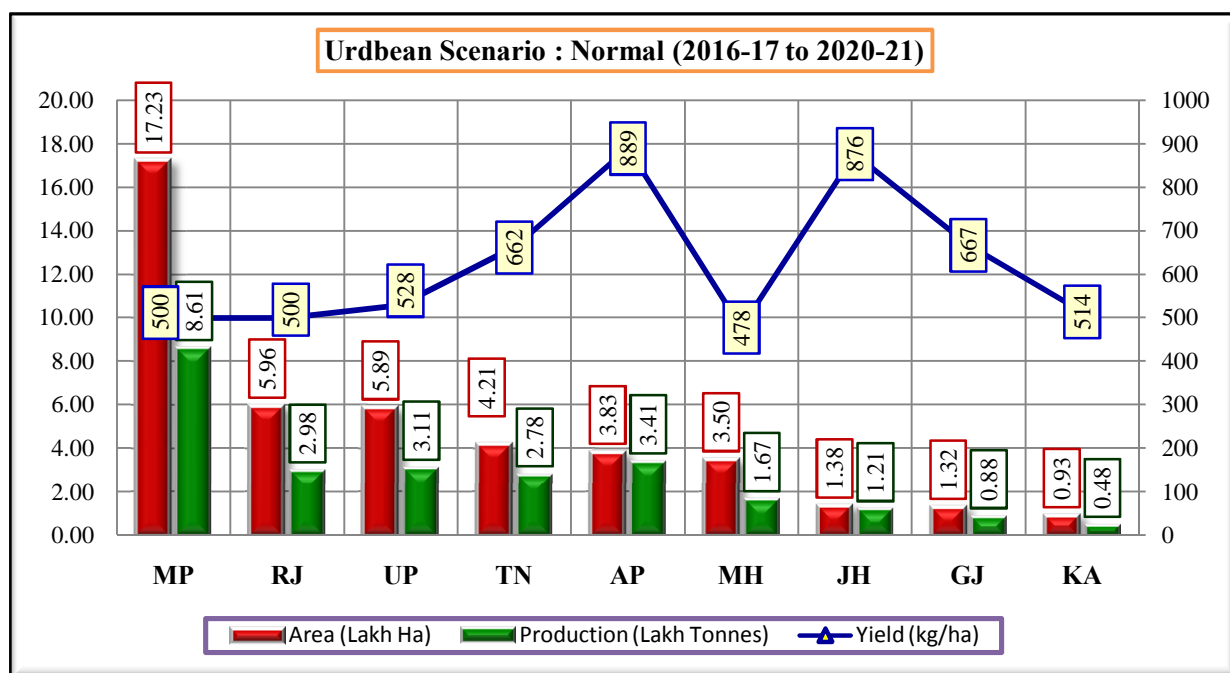


Fig.-9: States Contribution in Area & Production- Urdbean

1.3.8 Masoor (Lentil) Scenario : Normal (2016-17 to 2020-21)

- The crop was cultivated in an area of 14 Lha. Madhya Pradesh ranked 1st both in area and production with (35% in each) followed by Uttar Pradesh, West Bengal Rajasthan & (12% and 11% in each).
- About 98% has been realized from 07 states of Madhya Pradesh, Uttar Pradesh, West Bengal, Bihar, Jharkhand, Rajasthan and Assam (Table-10, Fig.-10).

(Table-10): States Contribution in Area & Production-Lentil

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Madhya Pradesh	4.93	35	4.73	35	959
2	Uttar Pradesh	4.77	33	4.58	34	961
3	West Bengal	1.48	10	1.33	10	894
4	Bihar	1.42	10	1.31	10	923
5	Jharkhand	0.65	5	0.57	4	874
6	Rajasthan	0.33	2	0.37	3	1115
7	Assam	0.25	2	0.18	1	727
8	Others	0.45	3	0.27	2	605
All India		14.29		13.34		934

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

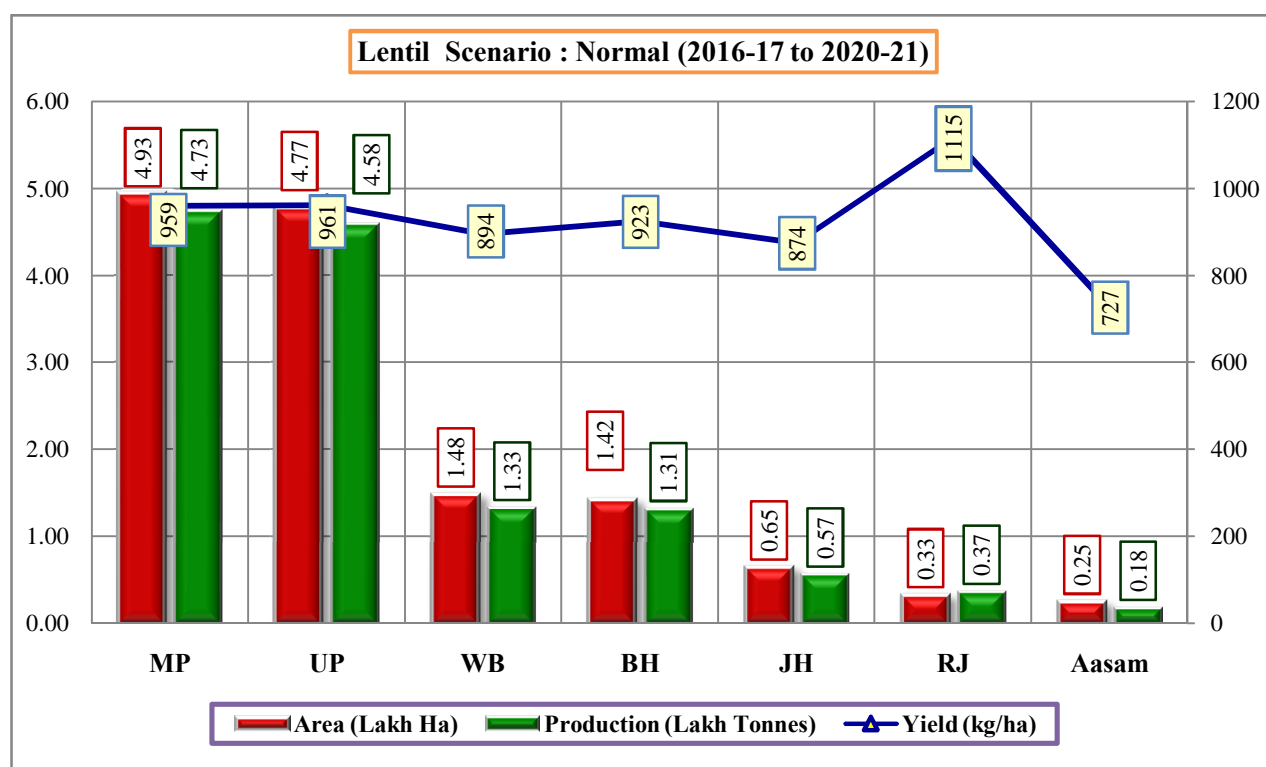


Fig.-10: States Contribution in Area & Production-Lentil

1.3.9 Fieldpea Scenario : Normal (2016-17 to 2020-21)

- The crop was cultivated in an area of 07 Lha. Uttar Pradesh ranked 1st both in area and production with (46% and 55%) followed by Madhya Pradesh and Jharkhand.
- About 92% has been realized from 08 states of Uttar Pradesh, Madhya Pradesh, Jharkhand, Assam, Odisha, Manipur, West Bengal and Bihar (Table- 11, Fig.-11).

(Table-11): States Contribution in Area & Production-Fieldpea

{Area-lakh ha, Production-lakh tons, Yield-kg/ha}

S.No.	States	Area	% Contri.	Production	% Contri.	Yield
1	Uttar Pradesh	3.43	46	5.03	55	1467
2	Madhya Pradesh	1.97	26	1.73	19	879
3	Jharkhand	0.56	8	0.69	8	1219
4	Assam	0.29	4	0.27	3	926
5	Odisha	0.19	3	0.15	2	758
6	Manipur	0.18	2	0.17	2	934
7	West Bengal	0.17	2	0.19	2	1099
8	Bihar	0.17	2	0.18	2	1034
9	Others	0.48	6	0.70	8	1469
All India		7.45		9.10		1222

Source: DES, Ministry of Agri. & FW (DA&FW), GoI. Normal Area & Prod. (2016-17 to 2020-21).

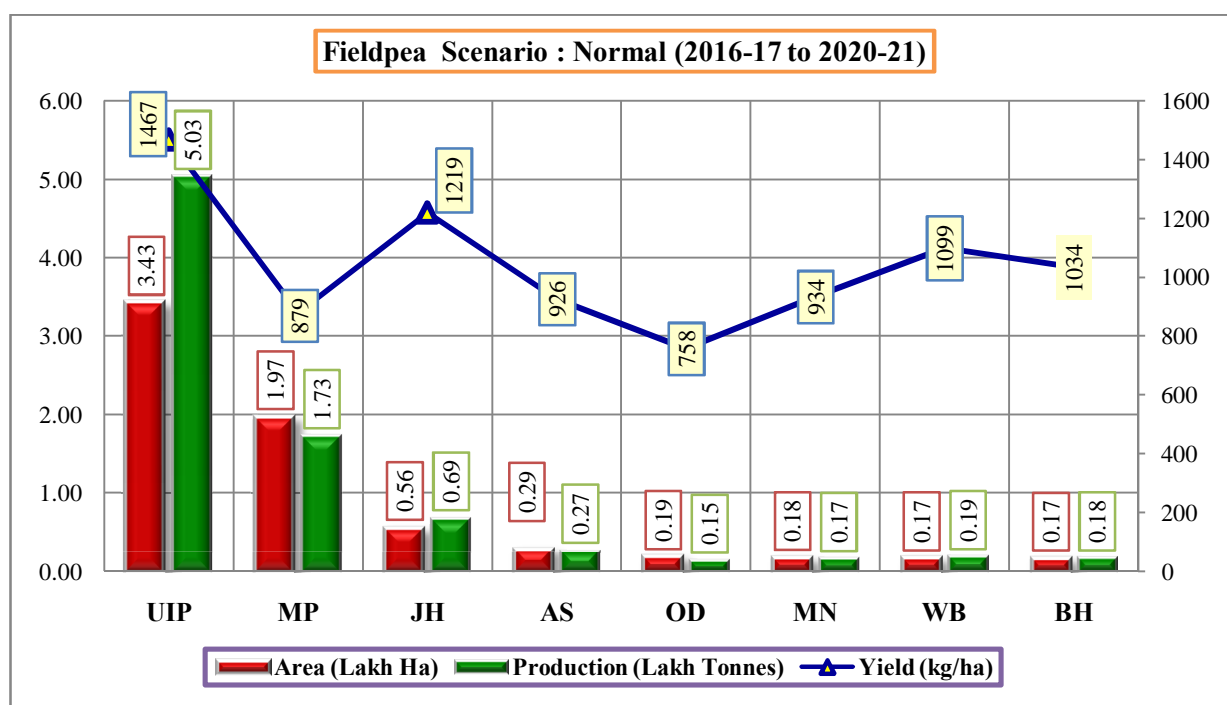


Fig.-11: States Contribution in Area & Production-Fieldpea

1.4 Yearly Growth Rate of Pulses

1.4.1 Yearly Growth Rate of Total Pulses

From 2013-14 to 2021-22, the total acreage under pulses has almost slightly (+) being showed, however, the maximum growth rate in area and production was recorded with 18% & 42% during 2016-17 over previous year (2015-16). This trend is continuously maintained with highest area (31.24 Mha) and production (27.75 Mt.) with a productivity of 888 kg/ha was also recorded during 2021-22 (3rd Adv. Est.) and it was ever highest recorded both in area and production in last 08 years (Table 12, Fig.-12).

(Table-12): Yearly Growth Rate of Total Pulses

(Area-Million ha, P- Million tones, Y-kg/ha, Growth Rate (GR)-%)

Year	Area	YGR	Prod.	YGR	Yield	YGR	% coverage under irrigation
2013-14	25.21		19.25		764		19.72
2014-15	23.54	-7	17.15	-11	728	-5	19.86
2015-16	24.91	6	16.32	-5	655	-10	19.26
2016-17	29.44	18	23.12	42	785	20	18.83
2017-18	29.81	1	25.41	10	852	9	22.87
2018-19	29.15	-2	22.07	-13	757	-11	23.20
2019-20	27.98	-4	23.02	4	823	9	-
2020-21	28.78	3	25.46	11	885	8	-
2021-22*	31.24	9	27.75	9	888	0.4	-
CAGR	3%		5%		2%		

Note: YGR – Yearly Growth Rate over the Previous Year; **CAGR-** Compound Annual Growth Rate

Source: DES, Min. of Agri. & FW, GoI, (DA&FW). 2021-22* - IIIrd Adv. Estimates.

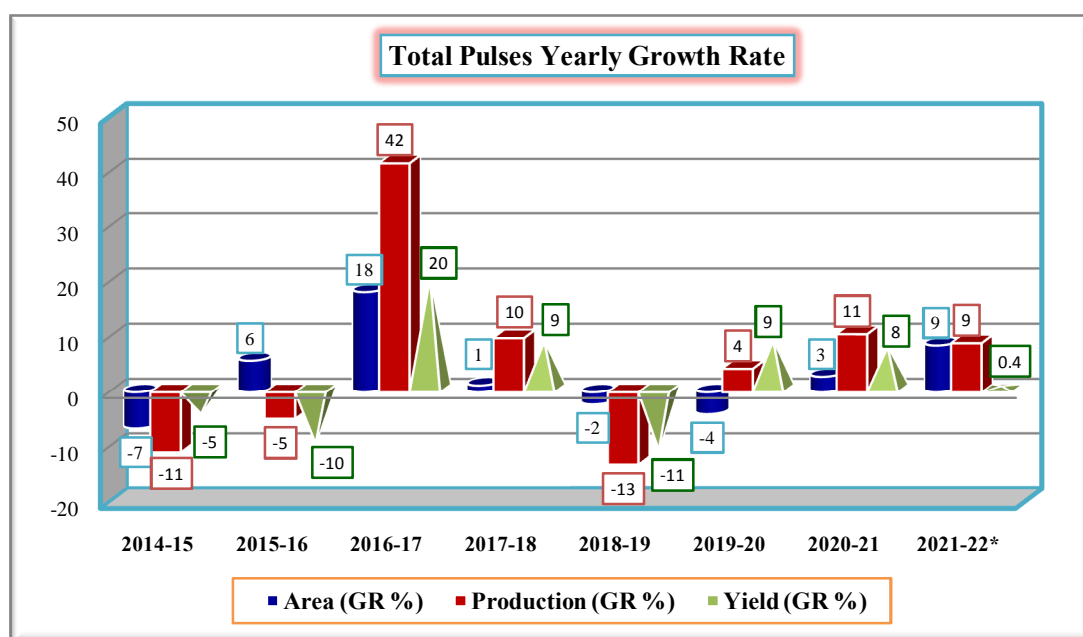


Fig.-12 : Yearly Growth Rate of Total Pulses

1.4.2 Yearly Growth Rate of Tur/Arhar and Gram

- Tur/Arhar :** From 2013-14 to 2021-22, the total acreage under Tur has almost slightly (\pm) being showed, however, the maximum growth rate in area and production was recorded with 35% & 90% during 2016-17 over previous year (2015-16). The highest area (5.34 Mha) and production (4.87 Mt) was also recorded during the same period (Table ó 13, Fig.-13.1).
- Gram :** From 2013-14 to 2021-22, the total acreage under Gram has almost slightly (\pm) being showed, however, the ever highest area (11.20 Mha) and production (13.98 Mt.) was recorded during 2021-22 followed by 10.56 Mha & 11.38 Mt. during 2017-18 with productivity 1078 kg/ha (Table ó 13, Fig.-13.2).

(Table-13): Yearly Growth rate of Tur and Gram

(A- Million ha, P- Million tones, Y-kg/ha, Growth Rate (GR)- %)

Year	Tur/Arhar						Gram					
	Area	YGR	Prod.	YGR	Yield	YGR	Area	YGR	Prod.	YGR	Yield	YGR
2013-14	3.90		3.17		813		9.93		9.53		960	
2014-15	3.85	-1	2.81	-12	729	-10	8.25	-17	7.33	-23	889	-7
2015-16	3.96	3	2.56	-9	646	-11	8.40	2	7.06	-4	840	-5
2016-17	5.34	35	4.87	90	913	41	9.63	15	9.38	33	974	16
2017-18	4.44	-17	4.29	-12	967	6	10.56	10	11.38	21	1078	11
2018-19	4.55	3	3.32	-23	729	-25	9.55	-10	9.94	-13	1041	-3
2019-20	4.53	-0.4	3.89	17	859	18	9.70	2	11.08	11	1142	10
2020-21	4.72	4	4.32	11	914	6	10.00	3	11.91	8	1192	4
2021-22*	4.91	4	4.35	1	885	-3	11.20	12	13.98	17	1249	5
CAGR	3%		4%		1%		2%		5%		3%	

Note: YGR – Yearly Growth Rate over the Previous Year; **CAGR**- Compound Annual Growth Rate

Source: DES, Min. of Agri. & FW, GoI, (DA&FW). 2021-22* - IIIrd Adv. Estimates.

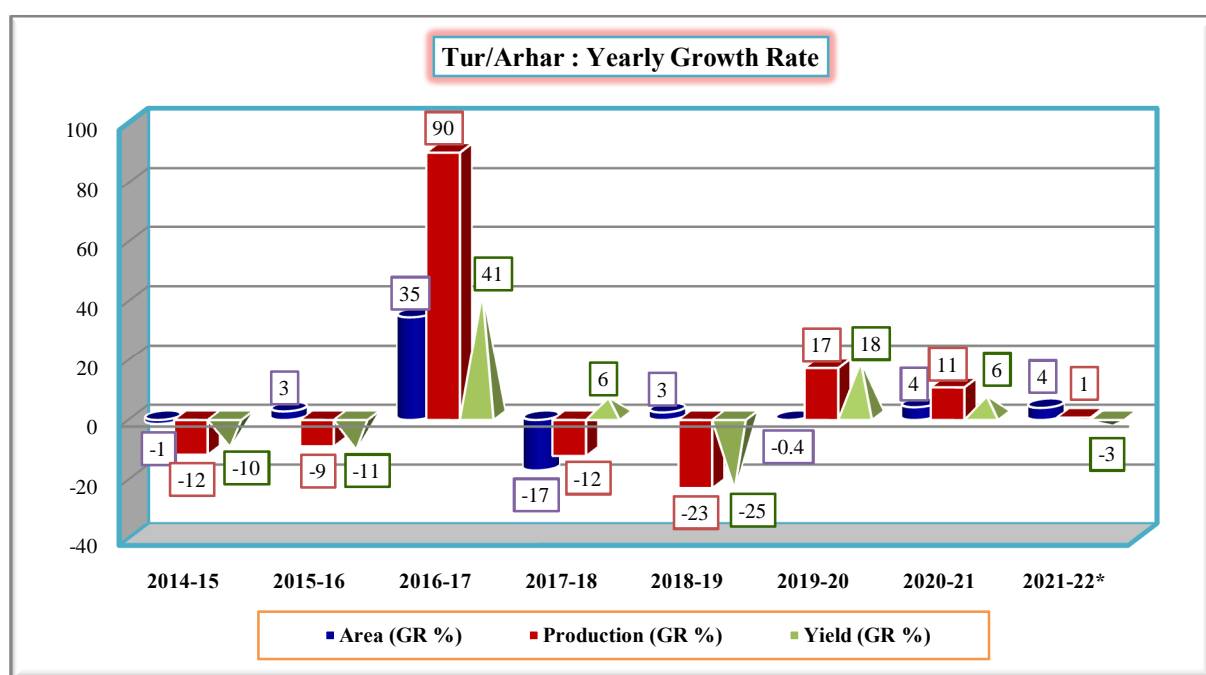


Fig. – 13.1 : Yearly Growth Rate of Tur/ Arhar

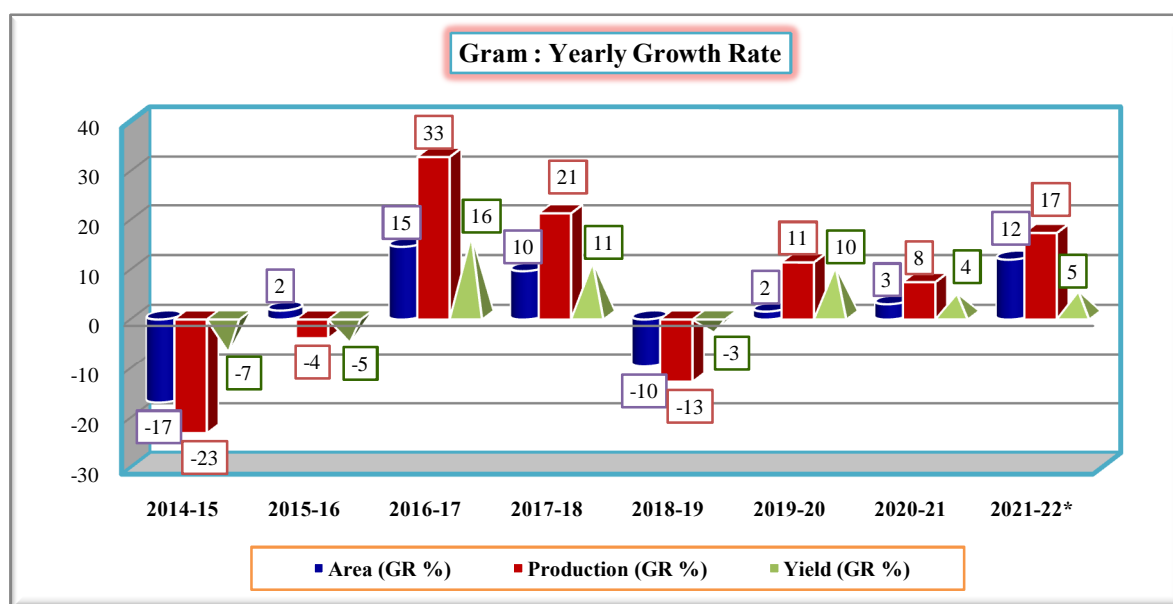


Fig. – 13.2 : Yearly Growth Rate of Gram

1.4.3 Yearly Growth Rate of Mungbean and Urdbean

- **Mungbean** : From 2013-14 to 2021-22, the total acreage under Mungbean has almost slightly (\pm) being showed, however, a sudden jump was observed in 2020-21 in area, production and productivity with 12%, 23% and 10% growth rate (Table-14, Fig. 6 14.1).
- **Urdbean** : From 2013-14 to 2021-22, the total acreage under Urdbean has almost slightly (\pm) being showed, however, the maximum growth rate in production and productivity was recorded during 2018-19 over previous year, whereas, the ever highest area (5.60 Mha) was recorded during the 2018-19 (Table-14, Fig. 6 14.2).

(Table-14): Yearly Growth rate of Mungbean and Urdbean

(Area- Million ha, P- Million tones, Y-kg/ha, Growth Rate (GR)- %)

Year	Mungbean						Urdbean					
	Area	YGR	Prod.	YGR	Yield	YGR	Area	YGR	Prod.	YGR	Yield	YGR
2013-14	3.38		1.61		475		3.06		1.70		555	
2014-15	3.02	-11	1.50	-6	498	5	3.25	6	1.96	15	604	9
2015-16	3.83	27	1.59	6	416	-16	3.62	12	1.95	-1	537	-11
2016-17	4.33	13	2.17	36	500	20	4.48	24	2.83	46	632	18
2017-18	4.24	-2	2.02	-7	477	-5	5.28	18	3.49	23	662	5
2018-19	4.75	12	2.46	21	516	8	5.60	6	3.06	-12	546	-17
2019-20	4.58	-4	2.51	2	548	6	4.53	-19	2.08	-32	459	-16
2020-21	5.13	12	3.09	23	601	10	4.14	-9	2.23	7	538	17
2021-22*	5.59	9	2.85	-8	510	-15	4.64	12	2.76	24	595	11
CAGR	6%		7%		1%		5%		6%		1%	

Note: YGR – Yearly Growth Rate over the Previous Year; CAGR- Compound Annual Growth Rate**Source:** DES, Min. of Agri. & FW, GoI, (DA&FW). 2021-22* - IIIrd Adv. Estimates.

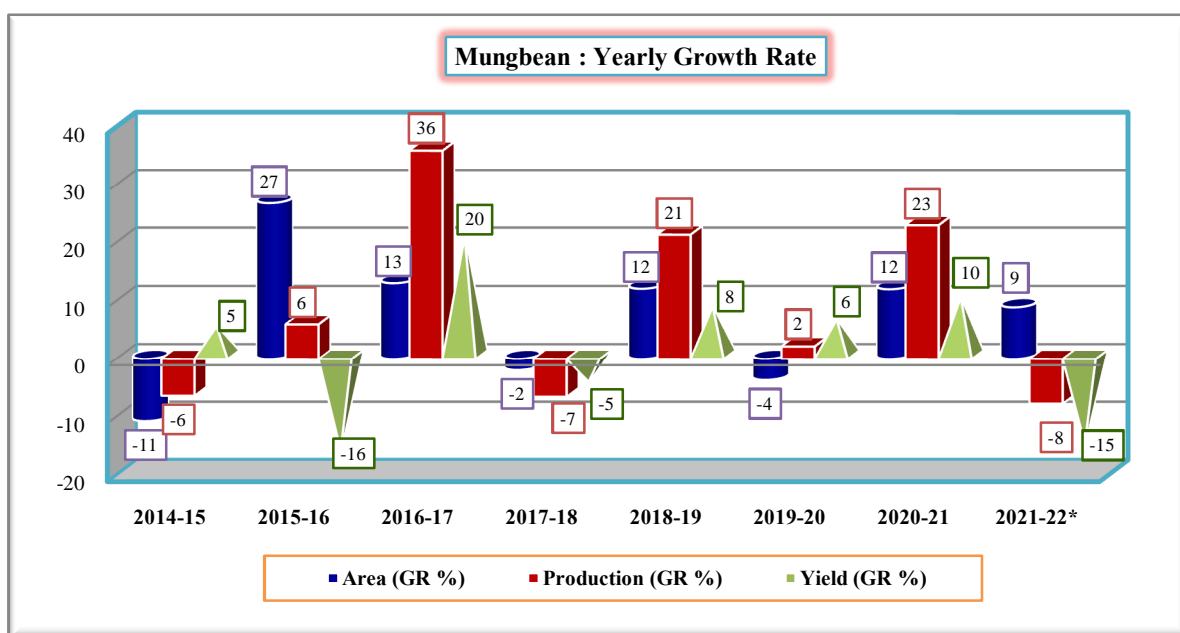


Fig. - 14.1 : Yearly Growth rate of Mungbean

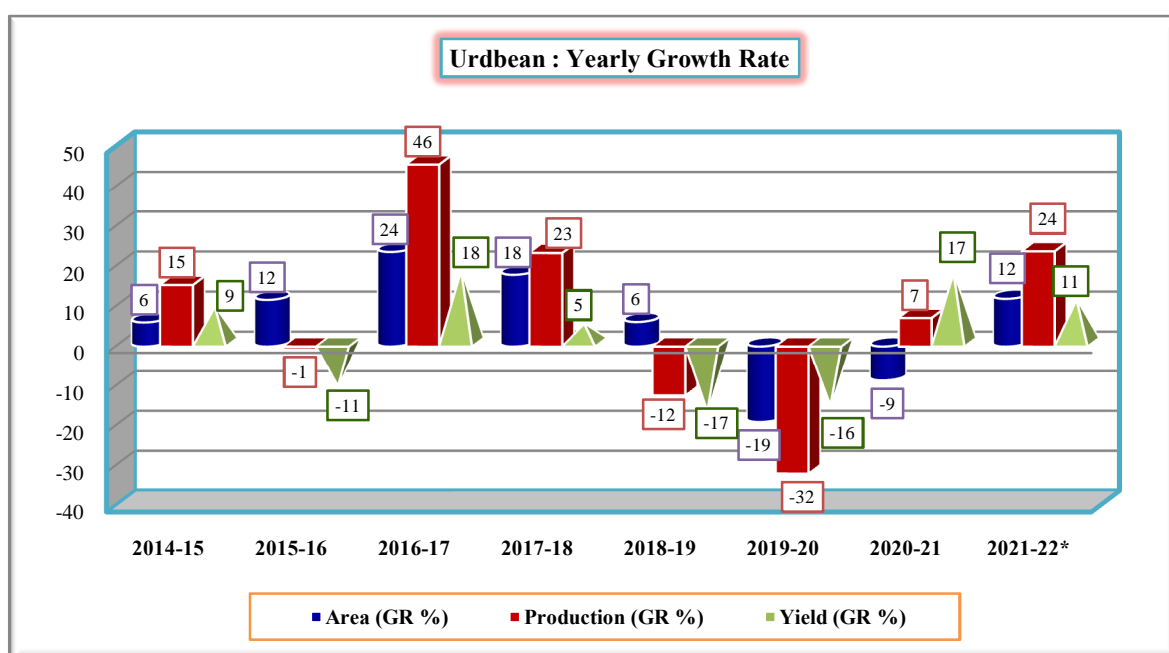


Fig.- 14.2: Yearly Growth rate of Urdbean

1.4.4 Yearly Growth Rate : Lentil and Fieldpea

Lentil : From 2013-14 to 2021-22, maximum growth rate is observed during 2020-21 in Area (13%), production (35%) and in productivity (20%) than previous year (Table- 15, Fig.- 15.1).

Fieldpea: Maximum growth for acreage reported during 2016-17 (17%) and production (36%) over previous year 2015-16 and also recorded ever highest in APY in last 07 years (Table- 15, Fig.- 15.2).

(Table-15): Yearly Growth rate of Lentil and Fieldpea

(Area- Million ha, P- Million tones, Y-kg/ha, Growth Rate (GR)- %)

Year	Lentil						Fieldpea					
	Area	YGR	Prod.	YGR	Yield	YGR	Area	YGR	Prod.	YGR	Yield	YGR
2013-14	1.34		1.02		759		0.96		0.92		960	
2014-15	1.47	10	1.04	2	705	-7	0.98	1	0.89	-4	912	-5
2015-16	1.28	-13	0.98	-6	765	9	0.90	-7	0.74	-17	821	-10
2016-17	1.46	15	1.22	25	838	10	1.06	17	1.01	36	955	16
2017-18	1.55	6	1.62	33	1047	25	0.83	-22	0.99	-2	1204	26
2018-19	1.36	-12	1.23	-24	901	-14	0.61	-26	0.81	-18	1338	11
2019-20	1.30	-4	1.10	-10	847	-6	0.60	-2	0.86	6	1440	8
2020-21	1.47	13	1.49	35	1017	20	0.64	7	0.88	2	1375	-5
2021-22*	1.43	-2	1.44	-3	1007	-1						
CAGR	1%		4%		4%		-6%		-1%		5%	

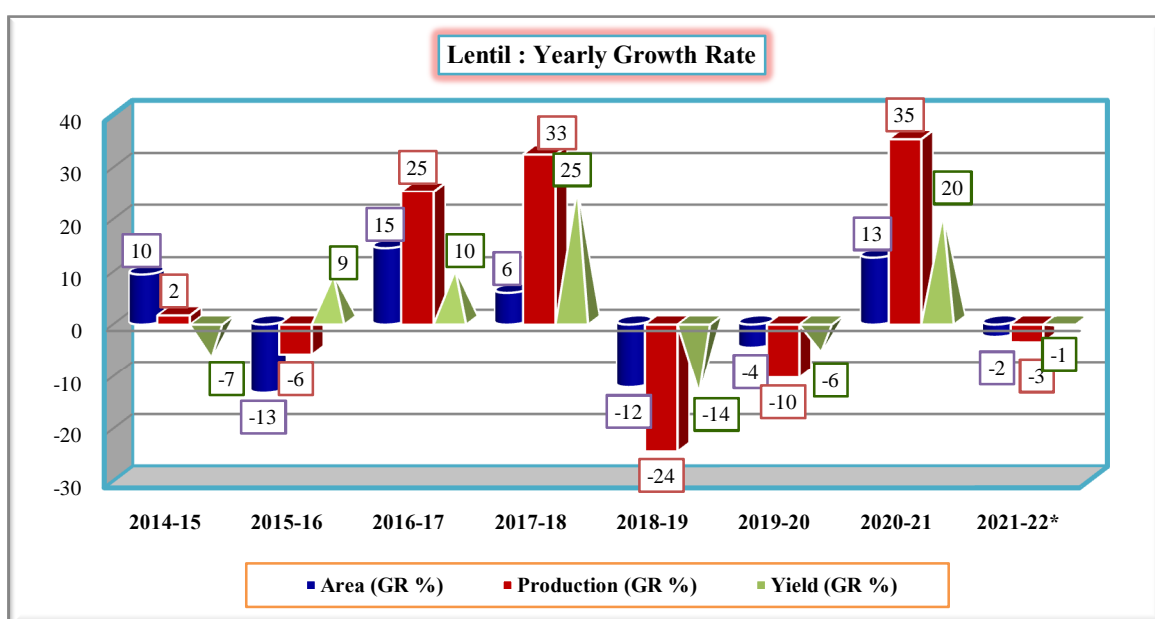
Note: YGR – Yearly Growth Rate over the Previous Year; CAGR- Compound Annual Growth Rate**Source:** DES, Min. of Agri. & FW, GoI, (DA&FW). 2021-22* - IIIrd Adv. Estimates.

Fig. – 15.1 : Yearly Growth rate of Lentil

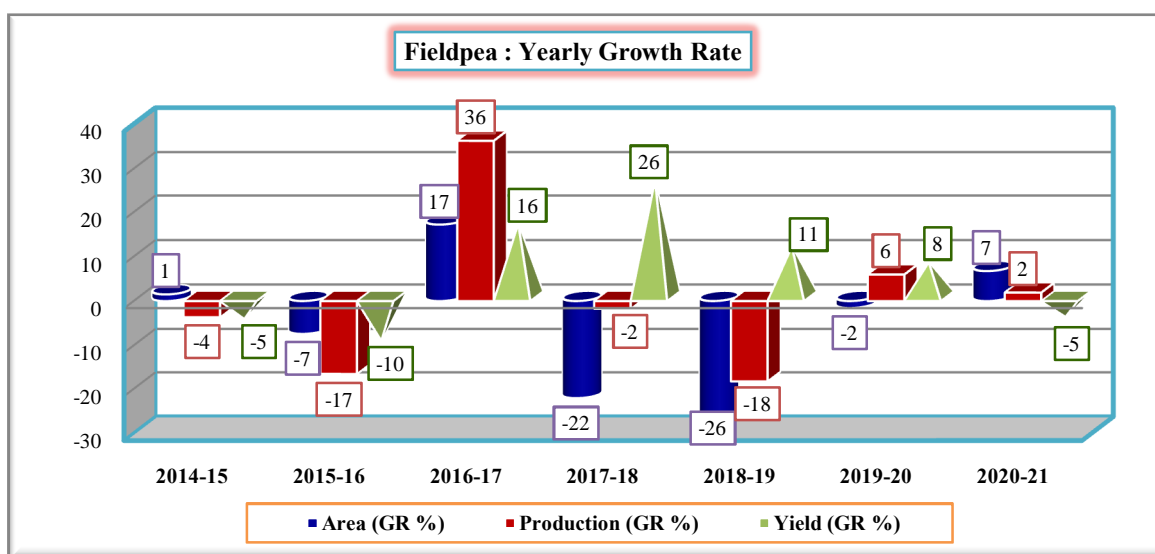


Fig. – 15.2 : Yearly Growth rate of Fieldpea

Unit – II

National Pulses Availability and Global Trade Scenario

2.1 Per capita availability of pulses in India

- As a result of self sufficiency in pulses production and continuous increase in population, the per capita availability of pulses has almost slightly (\pm) being showed. The *per capita* per day availability of pulses in 2013 was 43 g that increase to a provisional level of 45 g in the year 2021. The *per capita* per year availability shows the same increasing trend from 15.8 kg in 2013 to 16.4 kg in 2021.

Per capita availability enhanced during 2017-18. In conformity to FSA- 2013 to ensure nutritional security to vegetarian population, the per capita per day availability of pulses is attend at the level of 55 g per head/day *i.e* 20 kg/annum/person (Table-16, Fig.-16).

(Table- 16): Per capita availability of pulses in India

Year	Pulses Availability	
	(g per capita per day)	(kg per capita per year)
2013	43.29	15.80
2014	46.30	16.90
2015	43.84	16.00
2016	43.01	15.70
2017	54.79	20.00
2018	51.23	18.70
2019	42.47	17.20
2020	43.84	17.50
2021 (P)	44.93	16.40

Note: 2021 (P) - Provisional figures are based on 4th Advance Estimates of Production for 2020-21, Net imports during Apr. 2020- Mar. 2021 and Stock position as on 27-10-2021.

Source: Directorate of Economics and Statistics, Min. of Agriculture & FW, GoI, (DA&FW).

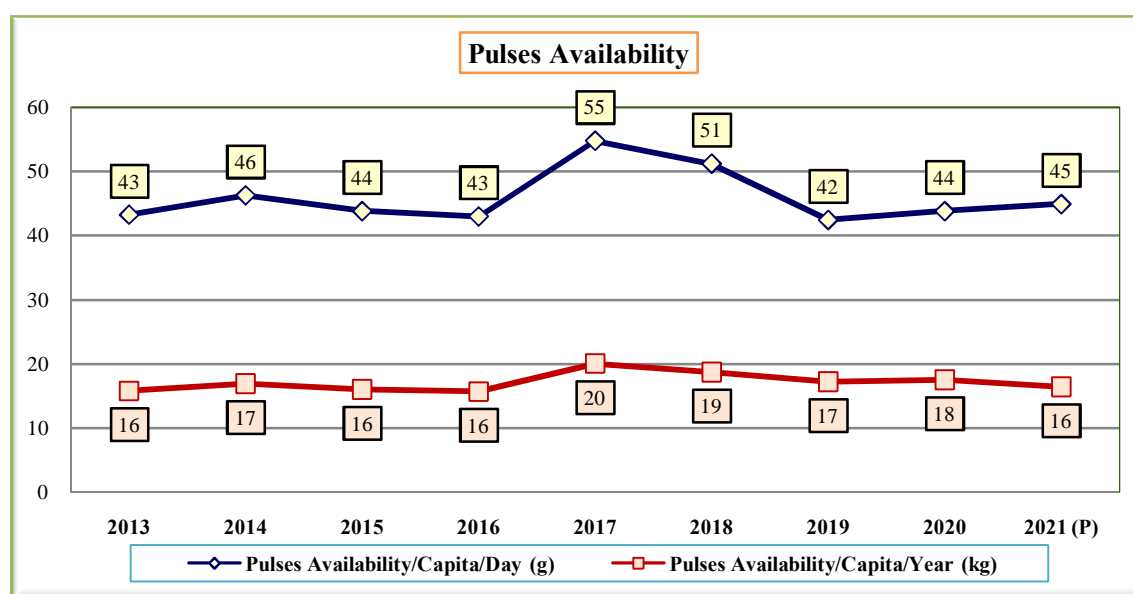


Fig.- 16 : Per capita availability of pulses in India

2.2 Pulses Import/Export and Availability

Import: From the year 2014-15 to 2017-18, the pulses import range was 45 Lt to 66 Lt, and from 2018-19 to 2020-21 the importing range was (25 Lt. to 28 Lt.). It's just half of the quantity over last three years range, due to which there has been a decline scenario/trend observed in pulses importing and saving foreign currency (Table 17).

(Unit-Lakh Tonnes)

Crop	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Tur/Arhar	5.75	4.63	7.04	4.13	5.31	4.50	4.43
Peas /Matar	19.52	22.45	31.73	28.77	8.51	6.67	0.46
Gram/Chana	4.19	10.31	10.81	9.81	1.86	3.71	2.95
Mung & Urd	6.23	5.82	5.75	3.47	5.74	3.82	4.17
Lentil/Masur	8.16	12.60	8.29	7.97	2.49	8.54	11.16
Other Pulses	2.00	2.17	2.47	1.93	1.37	1.74	1.49
Total Pulses	45.85	57.98	66.09	56.08	25.28	28.98	24.66

{Dry Peas contributes the single largest share in India's import basket of pulses registering in the total pulses import}.

Export: From 2014-15 to 2020-21 there was slight changes observed in pulses exports. The lowest exports were made in the year 2016-17 and 2017-18 (Country's Self Sufficiency Year in Pulses), after country's self sufficiency period the export trend hike about 60% over the previous year and maintain this trend till 2020-21.

(Unit-Lakh Tonnes)

Crop	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Tur/Arhar	0.01	0.04	0.12	0.11	0.09	0.11	0.19
Peas /Matar	0.04	0.06	0.08	0.04	0.02	0.03	0.09
Gram/Chana	1.90	2.17	0.88	1.28	2.29	1.34	1.59
Mung & Urd	0.04	0.06	0.11	0.17	0.19	0.22	0.25
Lentil/Masur	0.08	0.12	0.16	0.12	0.15	0.20	0.18
Other Pulses	0.15	0.10	0.03	0.08	0.13	0.42	0.48
Total Pulses	2.22	2.56	1.37	1.79	2.87	2.32	2.77

{Chickpeas contributes the single largest share in India's export basket of pulses registering 72% share in the total pulses export during 2014-15 to 2020-21 followed by Mung & Urd (7%), and Tur (4%) respectively}.

(Table- 17) : India's Imports and Exports of pulses

(Quantity – Lakh tonnes, Values -Crore)

Year	Import		Exports	
	Import Quantity	Import Value	Export Quantity	Export Value
2014-15	45.85	17063	2.22	1218
2015-16	57.98	25619	2.56	1656
2016-17	66.09	28523	1.37	1278
2017-18	56.08	18749	1.80	1470
2018-19	25.28	8036	2.87	1802
2019-20	28.98	10221	2.32	1512
2020-21	24.66	11938	2.77	1978

Source: DGCI&S, Ministry of Commerce & Industry, Kolkata.

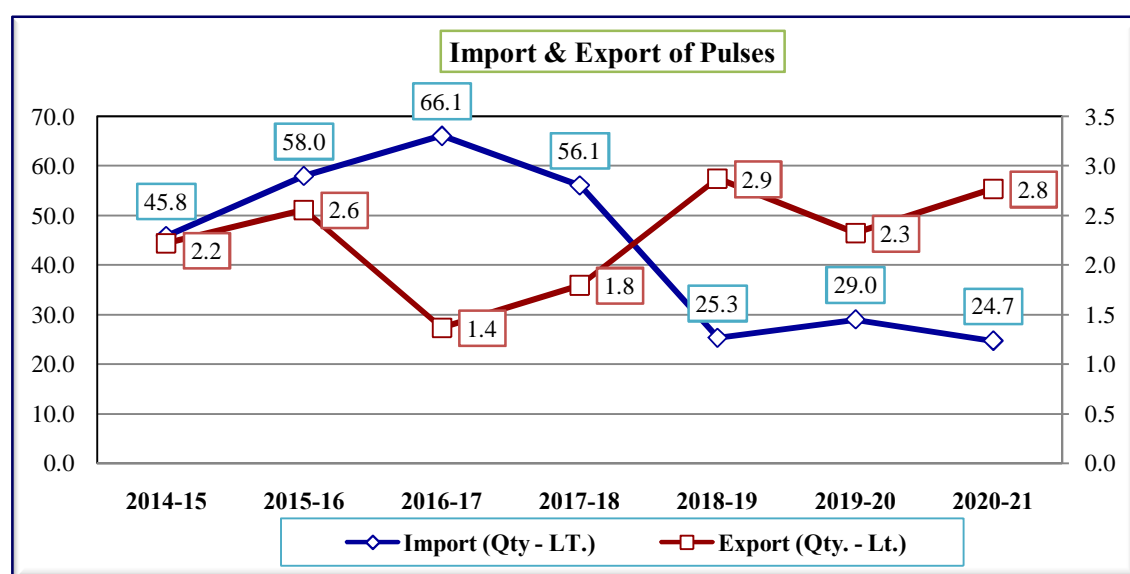


Fig.- 17 India's Import & Export of Pulses

(Table- 18): India's Imports and Exports of pulses v/s agriculture

(Rs.in Crore)

Year	Import					Exports				
	Total Pulses		Total Agriculture		Total National Imports	Total Pulses		Total Agriculture		Total National Exports
	Actual Value	% to Agri.	Actual Value	% to National		Actual Value	% to Agri.	Actual Value	% to National	
2014-15	17063	14.1	121319	4.4	2736676	1218	0.5	239681	12.6	1896348
2015-16	25619	18.3	140289	5.6	2490303	1656	0.8	215396	12.5	1716384
2016-17	28523	17.3	164726	6.4	2577671	1271	0.6	226652	12.3	1849433
2017-18	18748	12.3	152095	5.1	3001028	1470	0.6	251563	12.9	1956514
2018-19	8036	5.9	137019	3.8	3594674	1801	0.7	274571	11.9	2307726
2019-20	10222	6.9	147446	4.4	3360954	1512	0.6	252976	11.4	2219854
2020-21	11937	7.7	154510	5.3	2915958	1978	0.6	308830	14.3	2159043

Source: DGCI&S, Ministry of Commerce and Industry, Kolkata.

2.3 India's Import & Export Trade of Major Pulses (2020-21)

S.No.	Crop	Major countries (In terms of Quantity)	
		Major Import Sources	Major Export Destinations
1	Pea*	(97% contribution) i) Canada (63%); ii) Ukraine (13%); iii) Russia (10%); iv) Turkey (7%); v) UAE (3%); vi) USA (1%).	(96% contribution) i) UAE (68%); ii) USA (14%); iii) Nepal (4%); iv) Turkey (4%); v) Qatar (2%); vi) Italy (2%); vii) Egypt (2%).
2	Lentil	(99% contribution) i) Canada (81%); ii) Australia (12%); iii) USA (3%); iv) UAE (2%); v) Sri Lanka DSR (1%).	(90% contribution) Bangladesh (47%), USA (8%), Bhutan (8%), UAE (7%), Qatar (6%), Nepal (5%), Netherland (3%), Djibouti (3%), Italy (2%).

S.No.	Crop	Major countries (In terms of Quantity)	
		Major Import Sources	Major Export Destinations
3	Tur/Pigeon pea	(98% contribution) i) Tanzania Rep (36%); ii) Mozambique (35%); iii) Myanmar (20%); iv) Sudan (5%) ; v) Uganda (2%)	(92% contribution) USA (40%), Canada (15%), UAE (11%), Nepal (9%), Singapore (4%), Australia (3%), Malaysia (3%), UK (3%), Qatar (3%).
4	Urdbean	(100% contribution) i) Myanmar (98%) ii) Singapore (2%)	(92% contribution) USA (37%), Nepal (27%), Canada (8%), UAE (5%), UK (5%), Singapore (4%), Australia (3%), Malaysia (2%).
5	Mungbean	(96% contribution) : i) Kenya (30%); ii) Mozambique (24%) iii) Tanzania Rep (18%); iv) Brazil (11%); v) UAE (4%); vi) Australia (3%); vii) South Africa (2%); viii) Uganda (2%); ix) Venezuela (2%)	(90% contribution) USA (24%), Nepal (18%), UK (18%), Canada (10%), Bangladesh (6%), Qatar (4%), Netherland (4%), Australia (2%), UAE (2%), Malaysia (2%).

Source: Deptt. of Commerce, Min. of Commerce & Industry, GoI. (%) figures in parenthesis indicates percentage share of global import/export. ; Peas*- 2019-20

2.4 Availability Status: Total Pulses & Crop-Wise (2013-14 to 2020-21)

Crop-wise availability of Pigeonpea, Chickpea, Lentil, Mungbean and Urdbean based on domestic production, import and export is summarized under *Table 19*. It is evident from table that the domestic availability of pulses has increased by 40% in Total pulses and 29% in Gram during 2017-18, 53% in Tur, 85% in Fieldpea during 2016-17, Lentil by 50% in 2020-21, Mung & Urd 55% in 2018-19 over 2013-14.

(Table-19): Import, Export and Availability

(Unit-Lakh Tonnes)

Year	Domestic Production	Import	Export	Total Availability
Pigeonpea				
2013-14	31.74	4.66	0.001	36.40
2014-15	28.07	5.75	0.01	33.81
2015-16	25.61	4.63	0.04	30.20
2016-17	48.73	7.04	0.12	55.64
2017-18	42.90	4.13	0.11	46.92
2018-19	33.15	5.31	0.09	38.37
2019-20	38.92	4.50	0.11	43.31
2020-21	43.16	4.43	0.19	47.40
Chickpea				
2013-14	95.26	2.76	3.34	94.68
2014-15	73.32	4.19	1.90	75.61

Year	Domestic Production	Import	Export	Total Availability
2015-16	70.58	10.31	2.17	78.72
2016-17	93.78	10.81	0.88	103.71
2017-18	113.79	9.81	1.28	122.32
2018-19	99.38	1.86	2.29	98.95
2019-20	110.78	3.71	1.34	113.15
2020-21	119.11	2.95	1.59	120.47
Lentil				
2013-14	10.17	7.09	0.01	17.25
2014-15	10.35	8.16	0.08	18.44
2015-16	9.76	12.60	0.12	22.24
2016-17	12.24	8.29	0.16	20.38
2017-18	16.22	7.97	0.12	24.07
2018-19	12.28	2.49	0.15	14.62
2019-20	11.03	8.54	0.20	19.38
2020-21	14.94	11.16	0.18	25.92
Fieldpea				
2013-14	9.23	13.30	0.01	22.52
2014-15	8.89	19.52	0.04	28.37
2015-16	7.42	22.45	0.06	29.81
2016-17	10.11	31.73	0.08	41.76
2017-18	9.93	28.77	0.04	38.66
2018-19	8.12	8.51	0.02	16.61
2019-20	8.60	6.67	0.03	15.24
Moongbean + Urdbean				
2013-14	33.04	6.24	0.02	39.27
2014-15	34.62	6.23	0.04	40.81
2015-16	35.38	5.82	0.06	41.13
2016-17	49.97	5.75	0.11	55.61
2017-18	55.16	3.47	0.17	58.46
2018-19	55.15	5.74	0.19	60.71
2019-20	45.90	3.82	0.22	49.49
2020-21	53.15	4.17	0.25	57.07
Total Pulses				
2013-14	192.49	31.78	3.44	220.84
2014-15	171.46	45.85	2.22	215.09
2015-16	163.19	57.98	2.56	218.61
2016-17	231.25	66.09	1.37	295.97
2017-18	254.12	56.08	1.79	308.40
2018-19	220.71	25.28	2.87	243.12
2019-20	230.22	42.25	2.32	270.14
2020-21	254.63	24.66	2.77	276.52

Source: Production- DES, GoI, Import & Export- Ministry of Commerce & Industry

2.5 Global Scenario: Crop-Wise (2020-21)

The total world acreage under pulses as recorded during 2020 is about 931.83 Lha with production at 898.21 Lt. and productivity 964 kg/ha (Table -20, Fig.-20).

In the world, pulses are grown by 171 countries. Beansdry was cultivated by 104 countries, which contributed about 37 % area to total world area, Gram by 47 contributed about 16%, Cowpea by 37 contributed 16%, Peasdry by 96 contributed 8%, Tur by 24 contributed 7% and Lentil by 43 contributed by 5%. The share to World production of Beans dry was 31% followed by Gram 17%, Peas 16% , Cowpeas 10%, Lentil 7% and Tur 6% .

(Table-20): Global Ranking: Crop-wise

{Area-lakh ha, Production-lakh tonnes, Yield-kg/ha}						
Crop	Area	% Contri.	Production	% Contri.	Yield	Country's Rank
Gram	148.42	16	150.84	17	1016	1 st
Tur/Arhar	60.96	7	50.12	6	822	1 st
Lentils	50.10	5	65.38	7	1305	2 nd
Peas	71.90	8	146.42	16	2036	6 th
Beans Dry	348.02	37	275.46	31	792	47 th
Cowpeas	150.56	16	89.02	10	591	-
Others	101.87	11	120.98	13	1188	-
Total Pulses	931.83		898.21		964	1st

Source: FAO Statistics 2020.

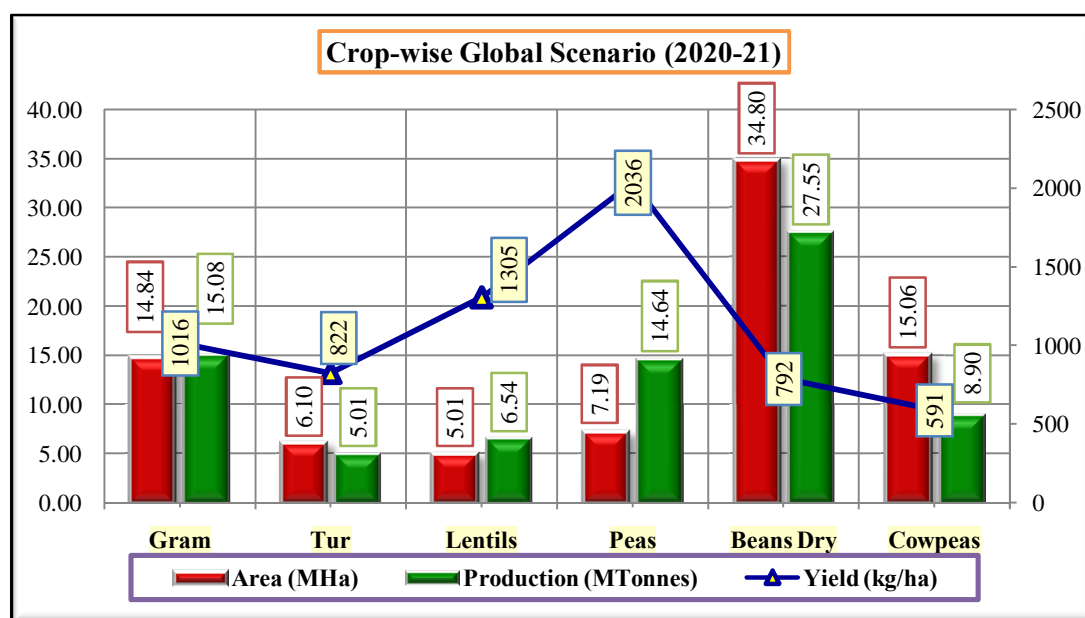


Fig.-18: Crop-wise Global Scenario

Unit –III

Major Interface /Coordination /Extension Activities

3.6 Meetings/Workshop/Conference/ Trainings

S. No.	Date/Duration	Purpose/Theme
1.	15.04.2021	Meeting to discuss Strategy for production of Pulses & Oilseeds during Kharif 2021 under the chairmanship of Secretary (AC & FW).
2.	30.04.2021	National Conference on Agriculture for Kharif campaign 2021, meeting through Video Conference.
3.	21.05.2021	Webinar on One District One Focus Produce (ODOFP) under the Chairmanship of Additional Secretary (DA&FW).
4.	09.06.2021	Meeting to discuss on organization of Training programmes on Pulses with respect to Seed Minikit programme during Kharif 2021 involving ATMA and KVKs.
5.	27.07.2021	Spl. Meeting on Kharif Sowing-2021 under the CS of Secretary (DA&FW).
6.	17.08.2021	Agri-watch meeting on Kharif area sown and production Estimates-2021.
7.	01.09.2021	Meeting on Crop Situation under the chairmanship of Secretary (DA&FW).
8.	21.09.2021	National Conference on Agriculture for Rabi campaign 2022, meeting through Video Conference.
9.	30.09.2021	Organized/Conducted 75 Ajadi ka Amru Mahotsav-75 Webinars on CFLD-Pulses (Sept. 25th-Oct.01, 2021)-Assigned States/KVKs.
10.	11.10.2021	Distribution of Oilseeds Minikits program in the presence of Hon'ble Minister of Agriculture & Farmers Welfare.
11.	17.12.2021	One day work shop on Self reliance in Pulses jointly organized by SDA, Govt. of MP & by Seed Division, Govt. of India in Bhopal.
12.	25.01.2022	Regional Thematic Workshop on Diversification of Crops for MP, RJ and UP, organized virtually by JNKVV, Jabalpur.
13.	27.01.2022	National Conference on Agriculture for Spring/Summer campaign 2022, meeting through Video Conference.
14.	28.01.2022	Regional Thematic Workshop on Diversification of Crops, organized virtually by Deptt. of Agriculture, Assam.
15.	24.02.2022	Webinar on Smart Agriculture alongwith Session 3: "Smart Agriculture-Bringing Back Glory of Millets; Moving towards Atma Nirbharta in Edible Oil" in the presence of Hon'ble Prime Minister.
16.	04.03.2022	National Workshop on Jute Production, Marketing and Utilization Strategies 2022 at Kolkata (WB)

3.7 Notes/Technical Reports

Technical Report	Report Submitted
Submission of All India weekly crop weather prospects reports in respect of Kharif/Rabi/Spring/Summer Pulses & all crops of Kharif/Rabi/Spring/Summer of Assigned States of Madhya Pradesh & Chhattisgarh.	Regular/Weekly
All India Crop-wise Harvesting status of Kharif/Rabi/Spring/Summer Pulses.	Regular/Weekly
Submission of Input material for uploading over social media platform.	Regular/Weekly
Issuance of crop specific advisories of Kharif/Rabi/Spring/Summer to assigned states.	Regular/Monthly
Proposal on Pulses Projection by 2025-26.	05.04.2021
State-wise/District-wise/Crop-wise Potential districts under Intercropping.	07.04.2021
Fixation of National Crop production Targets of Pulses for the year 2021-22.	23.04.2021
Note_MP Summer Pulses Coverage_2021.	13.05.2021
Pulses Crop Contribution and Crop calendar.	17.05.2021
Note on Pulses Growth over 01 Decade.	24.05.2021
Cabinet Note on Pulses.	25.05.2021
PMO-Note on Seed Minikit Demonstrations (2016-17 to 2020-21).	30.05.2021
Annual Progress Report of Assigned states (MP & CG) NFSM 6 Crops (2020-21).	04.06.2021
Annual Progress Report of NFSM 6Pulses (2020-21).	04.06.2021
Note on Gram Production Scenario-2020-21.	08.06.2021
Success Story for summer pulses.	15.06.2021
Reasons for low area coverage of Arhar.	02.07.2021
Brief Note on Kharif Pulses and sowing prospects during Kharif-2021.	15.07.2021
Submission of Status of impact of recent rainfall/ floods.	04.08.2021
Brief Note/status note of Pulses : Karnataka	04.08.2021
Note on All India Kharif Pulses-Current Sowing Status.	09.08.2021
Note on District-wise APY of Rapeseed & Mustard of MP & CG state.	12.08.2021
Crop Specific critical issues for Pre - Rabi Pulses DA& FW- ICAR Interface 2021-22.	12.08.2021
Preliminary report of Inter-Ministerial Central Team for an on the-spot assessment of the situation in the wake of flood during S-W Monsoon 2021 in Madhya Pradesh.	19.08.2021
Submission of tentative achievements for supply of Pulses Seed Minikit under NFSM during Kharif 2021.	25.08.2021
Brief Note on Kharif Pulses Sowing as on 29.08.2021.	29.08.2021
Availability of quality seed of rabi pulse crops with Seed-hub centres (108) report submission.	09.09.2021
Technical Note on Kharif pulses crop scenario and production estimates during current kharif-2021.	15.09.2021
Inputs for Rabi Conference; Rabi Pulses Scenario, Prospects and Strategies for Current Rabi-2021-22.	20.09.2021
Allocation and Supply Status of Seed Minikit-Pulses in Aspirational Districts during Kharif-2021.	29.09.2021
Suggestion on Vision of the Agriculture sector for the next 10 yrs in respect of pulses.	29.09.2021
Inputs for 41 th Observance of World Food Day (WFD) 2021.	08.10.2021
Report of Day-wise Activities of World Food Day Organized by DPD, Bhopal During Oct.10-16, 2021.	18.10.2021
Success stories of cluster demonstrations under NFSM-Pulse in Rajgarh Districts	21.10.2021

Technical Report	Report Submitted
of Madhya Pradesh-submission.	
Brief on Kharif crop status/harvesting and current Rabi crop prospects in the wake of late/recent rains in respect of assigned states of this Directorate viz. Madhya Pradesh & Chhattisgarh.	25.10.2021
Identification of schemes /activities to be undertaken in 75 backward districts in 90 days Campaign during 15th Nov., 2021 to 15th Feb., 2022-reg.	29.10.2021
Annual Report 2021-22 ó Material for the Chapter on Gender Perspective in Agriculture.	12.11.2021
Submission of Tentative seed availability of seed hub (Pulses) for Rabi 2021-22.	15.11.2021
Input for sponsored programme on DD/DD Kisan & AIR during Nov.-Dec., 2021 to Feb., -March, 2022.	30.11.2021
Sharing of success stories/best practices of/under various Flagship Schemes/Missions of the Department of Agriculture & Farmers Welfare.	24.12.2021
Note on NFSM Programme Details (From Inception Year).	29.12.2021
Brief Note on Rabi Pulses Area coverage/likely prospects during Rabi-2021-22.	30.12.2021
Preliminary assessment report on crop area affected report due to recent heavy rains/Hailstorms in the state of Madhya Pradesh and Chhattisgarh.	18.01.2022
Submission of proceeding of the National Conference on Agriculture for Summer Campaign-2022.	27.01.2022
Proceeding of Regional Thematic Workshop on òDiversification of Crops for the state of Madhya Pradesh, Rajasthan and Uttar Pradeshö dated the 25th January, 2022.	31.01.2022
Comments/Feedback on Concept Note of National Thematic Workshop on Self Sufficiency in Pulses held on 17.12.2021 at Bhopal (MP).	05.02.2022
Pre Kharif- 2022 DA&FW- ICAR Interface during February 2022.	16.02.2022
Brief Inputs/Note for One-day workshop on Sensitization field functionary as well as farmer on pulses and oilseeds under NFSM in the UT of J&K.	22.02.2022
Progress report of Allocation & Supply of Seed Minikits of Pulses under National Food Security Mission (NFSM) for Rabi-2021-22.	25.02.2022
Import of Tur, Mung, Urd and Lentil from 2019-20 to 2020-21.	03.03.2022
Fixation of National Production Targets of Pulses for the year 2022-23-Inputs.	09.03.2022
District-wise Pulses production strategies in the Country from 2022-23 to 2024-25- Submission of draft Inputs.	29.03.2022

3.8 Staff Position : Name & Designation with contact details

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Name & Designation of Contractual Staff under NFSM

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2.	Shri Satish Dwivedi Technical Assistant	Ph.No 0755-2550353 M.No. 9589246229	satishdpd@gmail.com

3.9 Other Administrative Activities

S. No.	Activities	Date/Duration
1	Observance of Anti Terrorism Day	21.05.2021
2	Celebration of International Yoga Day	21.06.2021
3	Observance of Sadbhavna Diwas	20.08.2021
4	Hindi Saptah	06.09.2021 to 12.09.2021
5	Hindi Diwas	14.09.2021
6	Hindi Mas	01.09.2021 to 30.09.2021
7	Hindi Pakhwada	14.09.2021 to 28.09.2021
8	Hindi Samanya Gyan Partiyogita	28.09.2021
9	Observance of Vigilance Awareness Week	26.10.2021 to 01.11.2021
10	Observance of Unity Day	31.10.2021
11	Constitution Day	26.11.2021
12	Hindi Workshop (Quarterly)	11.06.2021, 24.09.2021, 10.12.2021, 21.03.2022
13	Hindi Meeting (Quarterly)	11.06.2021, 24.09.2021, 10.12.2021, 21.03.2022
14	Observance of Swachata Pakhwada	16.12.2021 to 31.12.2021

3.10 Budget (1st April 2021 to 31st March 2022)

Object Head	Functional Head	Fund allocated BE 21-22	Final Expenditure BE 21-22	Variation / Saving (4-3)
1.	2.	3.	4.	5.
Salary	2401001083601015	1,03,64,000	1,02,31,341	1,32,659*
Medical	2401001083601065	3,50,000	2,71,566	78,444
D.T.E	2401001083601115	5,77,000	3,23,529	5,53,471**
O.E	2401001083601135	5,20,000	5,19,206	794
SAP (OE)	2401001083696135	1,00,000	99,912	88
		1,19,11,000	1,14,45,544	4,65,456

Note:

*= out of Rs. 132659/- Rs. 1.00lakh already surrendered under Salary Head} vide this Directorate's letter of even

**= out of Rs. 253471/- Rs. 2.00lakh already surrendered under DTE Head} number dated 04.02.2022

Unit – IV : All India Crop Coverage (2021-22)**4.1 Summary : All India Pulses (Kharif-2021)**

(Area: Lakh ha)

Crops	Normal Area *	Area Covered		Change over (+/-) to 2020	
		This Year 2021	Last Year 2020	Actual	%
Arhar (Tur)	45.64	50.499	48.465	2.03	4
Urdbean	37.28	40.048	39.234	0.81	2
Mungbean	33.48	35.409	35.531	-0.12	0
Kulthi	2.20	0.820	0.816	0.00	1
Oth. Kharif Pulses	16.70	15.594	15.296	0.30	2
Total	135.29	142.370	139.343	3.03	2

Normal Area –DES (Ave: 2015-16 to 2019-20)

I. Overall Crop Scenario

- The current Normal kharif pulse area (2015-16 to 2019-20) is 135.29 lakh ha including Arhar 45.64 Lha, Urdbean 37.28 Lha, Mungbean 33.48 Lha, Kulthi 2.20 Lha and other kharif pulses (Moth, Cowpea, other beans etc.) 16.70 Lha for Kharif-2021.
- As on date, the total kharif area coverage is about **142.37 lakh ha** which is **>105%** of the total Kharif pulses normal area. This coverage is **3.03 Lha higher** against the corresponding week of the last year coverage of Kharif-2020.

II. Crop specific coverage**i) Arhar:**

- The current year arhar normal area is 45.64 lakh ha.
- The total coverage of arhar as on date is **50.50 Lakh ha** which is **111%** of the normal area.
- This coverage is **2.03 Lha more** against the corresponding week of the last year coverage of Kharif-2020.
- Less coverage against the last year in the state of Telangana & Chhattisgarh.

ii) Urdbean:

- The current year Urdbean normal area is 37.28 lakh ha.
- The total coverage of urdbean as on date is **40.05 lakh ha** which is **>107%** of the normal area.
- This coverage is **0.81 Lha more** against the corresponding week of the last year coverage of Kharif-2020.
- Less coverage against the last year in the state of Madhya Pradesh & Odisha.

iii) Mungbean:

- The current year Mungbean normal area is 33.48 lakh ha.
- The total coverage of mungbean as on date is **35.41 lakh** ha which is **106%** of the normal area.
- This coverage is **0.12 Lha less** against the corresponding week of the last year coverage of Kharif-2020.
- Less coverage against the last year in the state of Uttar Pradesh & Jharkhand.

4.1.1 Crop-wise & State-wise area coverage (Kharif – 2021)

i) ARHAR

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+)	
			This Year 2021	Last Year 2020	Actual	%
1.	Andhra Pradesh	2.684	2.257	2.164	0.093	4
2.	Arunachal Pradesh	0.008	0.008	0.007	0.001	11
3.	Assam	0.058	0.051	0.059	-0.008	-14
4.	Bihar	0.194	0.740	0.680	0.060	9
5.	Chhattisgarh	0.614	1.221	1.391	-0.169	-12
6.	Gujarat	2.628	2.332	2.265	0.067	3
7.	Haryana	0.053				
8.	Himachal Pradesh	0.001				
9.	Jharkhand	2.176	2.536	2.501	0.035	1
10.	Karnataka	11.568	14.574	12.953	1.621	13
11.	Kerala	0.005				
12.	Madhya Pradesh	4.756	4.290	4.120	0.170	4
13.	Maharashtra	12.740	13.351	12.469	0.882	7
14.	Manipur	0.005				
15.	Meghalaya	0.012	0.012	0.012		
16.	Mizoram	0.002				
17.	Nagaland	0.032	0.027	0.021	0.006	26
18.	Odisha	1.369	1.261	1.297	-0.036	-3
19.	Punjab	0.030	0.020	0.020		
20.	Rajasthan	0.122	0.095	0.094	0.001	1
21.	Tamil Nadu	0.496	0.404	0.426	-0.022	-5
22.	Telangana	3.110	3.610	4.305	-0.695	-16
23.	Tripura	0.051	0.050	0.052	-0.002	-4
24.	Uttar Pradesh	2.842	3.539	3.512	0.027	1
25.	Uttarakhand	0.035	0.050	0.050		
26.	West Bengal	0.036	0.071	0.068	0.003	4
27.	Others	0.018				
28.	TOTAL	45.643	50.499	48.465	2.033	4

(Normal Area- DES Ave. :2015-2016 to 2019-20)

ii) URDBEAN

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+/-)	
			This Year 2021	Last Year 2020	Actual	%
1.	Andhra Pradesh	0.374	0.270	0.219	0.051	23
2.	Arunachal Pradesh	0.009	0.011	0.011		-2
3.	Bihar	0.100	0.150	0.140	0.010	7
4.	Chhattisgarh	0.874	1.692	1.566	0.126	8
5.	Gujarat	1.149	1.547	1.005	0.543	54
6.	Haryana	0.007				
7.	Himachal Pradesh	0.073				
8.	Jammu & Kashmir		0.080	0.080		
9.	Jharkhand	1.302	1.333	1.317	0.016	1
10.	Karnataka	0.886	0.956	1.087	-0.132	-12
11.	Kerala	0.000				
12.	Madhya Pradesh	16.176	15.650	16.010	-0.360	-2
13.	Maharashtra	2.683	4.505	3.885	0.620	16
14.	Manipur	0.003				
15.	Nagaland	0.004	0.002	0.001		25
16.	Odisha	0.652	1.668	1.950	-0.282	-14
17.	Punjab	0.019	0.014	0.020	-0.006	-30
18.	Rajasthan	5.735	3.970	3.765	0.204	5
19.	Sikkim	0.028				
20.	Tamil Nadu	0.553	0.214	0.279	-0.065	-23
21.	Telangana	0.278	0.190	0.187	0.003	2
22.	Tripura	0.027	0.046	0.048	-0.002	-4
23.	Uttar Pradesh	5.540	6.991	6.874	0.117	2
24.	Uttarakhand	0.136	0.310	0.310		
25.	West Bengal	0.659	0.450	0.480	-0.030	-6
26.	Others	0.012				
	TOTAL	37.278	40.048	39.234	0.814	2

(Normal Area- DES Ave. :2015-2016 to 2019-20)

iii) MUNGBEAN

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021	Last Year 2020	Actual	%
1.	Andhra Pradesh	0.266	0.084	0.112	-0.028	-25
2.	Arunachal Pradesh	0.013	0.013	0.012		2
3.	Bihar	0.094	0.110	0.100	0.010	10
4.	Chhattisgarh	0.088	0.187	0.186		
5.	Gujarat	1.071	0.991	0.944	0.046	5
6.	Haryana	0.179				
7.	Himachal Pradesh	0.002				
8.	Jammu & Kashmir	0.005	0.029	0.035	-0.006	-18
9.	Jharkhand	0.275	0.200	0.351	-0.151	-43
10.	Karnataka	3.868	4.166	3.947	0.219	6
11.	Madhya Pradesh	1.574	1.640	1.570	0.070	4
12.	Maharashtra	4.220	3.781	3.958	-0.178	-4
13.	Manipur	0.001				
14.	Nagaland	0.003	0.002	0.001		25
15.	Odisha	1.022	1.592	1.725	-0.133	-8
16.	Punjab	0.081	0.026	0.026		
17.	Rajasthan	19.018	21.473	20.897	0.576	3
18.	Tamil Nadu	0.285	0.138	0.176	-0.038	-22
19.	Telangana	0.904	0.556	0.622	-0.066	-11
20.	Tripura	0.023	0.010	0.013	-0.003	-22
21.	Uttar Pradesh	0.470	0.396	0.829	-0.433	-52
22.	West Bengal	0.018	0.017	0.025	-0.008	-32
	TOTAL	33.480	35.409	35.531	-0.122	

(Normal Area- DES Ave. :2015-2016 to 2019-20)

iv) KULTHI

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021	Last Year 2020	Actual	%
1.	Andhra Pradesh	0.388	0.045	0.018	0.027	148
2.	Bihar	0.085				
3.	Chhattisgarh	0.390	0.300	0.274	0.027	10
4.	Haryana	0.004				
5.	Himachal Pradesh	0.013				
6.	Jammu & Kashmir	0.006	0.002	0.001		37
7.	Jharkhand	0.206	0.170	0.151	0.018	12
8.	Karnataka	0.528	0.107	0.166	-0.059	-35
9.	Madhya Pradesh	0.110				
10.	Nagaland		0.003	0.002	0.001	87
11.	Odisha	0.279				

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021	Last Year 2020	Actual	%
12.	Tamil Nadu	0.061	0.009	0.012	-0.003	-25
13.	Telangana		0.004	0.012	-0.008	-67
14.	Uttarakhand	0.127	0.180	0.180		
	TOTAL	2.197	0.820	0.816	0.004	1

(Normal Area- DES Ave. :2015-2016 to 2019-20)

v) OTHER KHARIF PULSES

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021	Last Year 2020	Actual	%
1.	Andhra Pradesh	0.108	0.036	0.047	-0.011	-23
2.	Arunachal Pradesh	0.031	0.027	0.031	-0.004	-12
3.	Bihar	0.018	0.140	0.110	0.030	27
4.	Chhattisgarh	0.026				
5.	Gujarat	0.251	0.158	0.172	-0.013	-8
6.	Haryana	0.008	1.010	0.500	0.510	102
7.	Himachal Pradesh	0.066				
8.	Jammu & Kashmir	0.148	0.040	0.034	0.006	17
9.	Jharkhand	0.179	0.214	0.211	0.004	2
10.	Karnataka	0.996	1.066	1.154	-0.088	-8
11.	Kerala	0.001				
12.	Madhya Pradesh	0.046	0.130	0.140	-0.010	-7
13.	Maharashtra	0.924	0.820	1.260	-0.440	-35
14.	Manipur	0.020				
15.	Mizoram	0.019				
16.	Nagaland	0.138	0.118	0.092	0.025	28
17.	Odisha	1.042	1.319	1.254	0.065	5
18.	Rajasthan	11.685	9.726	9.445	0.282	3
19.	Sikkim	0.026				
20.	Tamil Nadu	0.753	0.559	0.602	-0.043	-7
21.	Telangana	0.014	0.015	0.025	-0.010	-39
22.	Tripura	0.042	0.036	0.038	-0.002	-5
23.	Uttarakhand	0.140	0.170	0.170		
24.	West Bengal	0.013	0.009	0.012	-0.003	-25
25.	Others	0.003				
	TOTAL	16.695	15.594	15.296	0.298	2

(Normal Area- DES Ave. :2015-2016 to 2019-20)

vi) TOTAL KHARIF PULSES

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+/-)	
			This Year 2021	Last Year 2020	Actual	%
1	Andhra Pradesh	3.820	2.693	2.561	0.132	5
2	Arunachal Pradesh	0.060	0.059	0.062	-0.003	-4
3	Assam	0.058	0.051	0.059	-0.008	-14
4	Bihar	0.491	1.140	1.030	0.110	11
5	Chhattisgarh	1.992	3.400	3.417	-0.017	0
6	Gujarat	5.100	5.028	4.386	0.642	15
7	Haryana	0.250	1.010	0.500	0.510	102
8	Himachal Pradesh	0.155				
9	Jammu & Kashmir	0.159	0.150	0.150		
10	Jharkhand	4.138	4.454	4.531	-0.077	-2
11	Karnataka	17.846	20.869	19.307	1.562	8
12	Kerala	0.005				
13	Madhya Pradesh	22.662	21.710	21.840	-0.130	-1
14	Maharashtra	20.567	22.457	21.573	0.885	4
15	Manipur	0.028				
16	Meghalaya	0.012	0.012	0.012		
17	Mizoram	0.022				
18	Nagaland	0.177	0.150	0.117	0.033	28
19	Odisha	4.364	5.839	6.227	-0.387	-6
20	Punjab	0.131	0.060	0.066	-0.006	-9
21	Rajasthan	36.561	35.264	34.201	1.063	3
22	Sikkim	0.054				
23	Tamil Nadu	2.148	1.324	1.495	-0.171	-11
24	Telangana	4.306	4.375	5.151	-0.776	-15
25	Tripura	0.143	0.141	0.150	-0.009	-6
26	Uttar Pradesh	8.852	10.926	11.214	-0.288	-3
27	Uttarakhand	0.437	0.710	0.710	0.000	0
28	West Bengal	0.726	0.547	0.585	-0.038	-6
29	Others	0.032				
	TOTAL	135.294	142.370	139.343	3.027	2

(Normal Area- DES Ave. :2015-2016 to 2019-20)

vii) STATE: MADHYA PRADESH: CROP-WISE COVERAGE: (KHARIF 2021)

- The state's normal Kharif crop area is 130.96 lakh ha.
- The current Kharif 2021 target is kept at 149.19 lakh ha including total cereals- 54.33Lha (Paddy- 33.46Lha, Maize- 14.92 Lha, Bajra-3.29Lha, Small millets- 1.15Lha and Jowar-1.50Lha), total pulses-19.04Lha (Urd- 13.84Lha, Tur-3.82Lha and Mung-1.39Lha), Total Oilseeds-69.74Lha (Soybean-61.65Lha, Sesame-4.31Lha and Groundnut-3.27Lha) and cotton- 6.07 Lha.
- Total kharif -2021 sowing is **149.96 Lakh ha which is 115% of the total state's normal area and 101% of state's target.** This coverage is 5.26 Lha (approx 4%) higher against the corresponding week of the last year coverage of Kharif-2020.
- The crop-wise coverage under total cereal is 58.54 Lha (Paddy-35.04 Lha and Maize-17.13 Lha), total pulses in 21.71 Lha (Tur- 4.29 Lha, Urd- 15.65 Lha and Mung- 1.64 Lha), total oilseed in 63.55 Lha (Soybean- 56.11 Lha, Groundnut- 3.82 Lha and Sesame- 3.23) and cotton in 6.16 Lha.

(Area: Lakh ha)

S.No.	Crop	Target-2021 (SDA)	Normal Area	Area Covered (SDA)		Actual Difference Over 2020 (+/-)	% coverage over	
				2021	2020		Normal	Target
1	Paddy	33.46	21.32	35.040	28.760	6.28	164	105
2	Sorghum	1.50	1.76	1.560	1.420	0.14	89	104
3	Bajra	3.29	2.96	3.460	3.130	0.33	117	105
4	Small Milletes	1.15	1.38	1.350	1.440	-0.09	98	117
5	Maize	14.92	12.63	17.130	15.380	1.75	136	115
Total Cereals		54.33	40.05	58.540	50.130	8.41	146	108
6	Red Gram	3.82	4.76	4.290	4.120	0.17	90	112
7	Black Gram	13.84	16.18	15.650	16.010	-0.36	97	113
8	Green Gram	1.39	1.57	1.640	1.570	0.07	104	118
9	Other Kharif Pulses	0.00	0.13	0.130	0.140	-0.01	97	0
Total Pulses		19.04	22.64	21.710	21.840	-0.13	96	114
10	Groundnut	3.27	2.28	3.820	2.800	1.02	167	117
11	Soybean	61.65	55.86	56.110	59.320	-3.21	100	91
12	Sesame	4.31	3.46	3.230	3.360	-0.13	93	75
13	Other Kharif Oilseeds	0.52	0.55	0.390	0.810	-0.42	71	75
Total Oilseed		69.74	62.16	63.550	66.290	-2.74	102	91
14	Cotton	6.07	6.06	6.160	6.440	-0.28	102	101
15	Jute & Mesta	0.00	0.05					
Total Kharif Crops		149.19	130.96	149.960	144.70	5.26	115	101

(Normal Area- DES Ave. : 2015-16 to 2019-20)

viii) STATE: CHHATTISGARH: CROP-WISE COVERAGE: (KHARIF 2021)

- The state's normal Kharif area is 43.55Lakh ha.
- The target for Kharif 2021 is 48.20 Lha including total cereals- 40.55Lha (Paddy-36.95Lha, Maize- 2.58 Lha and Small millets- 1.02Lha), total pulses-3.77Lha (Urd- 1.80Lha, Tur-1.40 Lha and Mung- 0.22 Lha), total oilseeds-2.55Lha (Soybean-1.10 Lha, groundnut-0.60Lha and Sesame- 0.32Lha and) and other crops 1.33 Lha.
- Total kharif -2021sowing is about **48.00 Lakh ha which is 110% of the total state's normal area and 100% of state's target, however,** this coverage is 0.90 Lha (approx 2%) less against the corresponding week of the last year coverage of Kharif-2020.
- The crop-wise coverage under total cereal is 41.21 Lha (Paddy-37.93 Lha and Maize-2.39 Lha), total pulses in 3.40 Lha (Tur- 1.22 Lha, Urd- 1.69 Lha and Mung- 0.19 Lha), total oilseed in 2.00 Lha (Soybean- 0.52 Lha, Groundnut- 0.59 Lha and Sesame- 0.28).

(Area: Lakh ha)

S. No.	Crop	Target-2021 (SDA)	Normal Area	Area Covered (SDA)		Actual Difference Over 2020 (+/-)	% coverage over	
				2021	2020		Normal	Target
1	Paddy	36.95	37.36	37.932	39.039	-1.11	102	103
2	Small Milletes	1.02	0.91	0.895	0.713	0.18	98	88
3	Maize	2.58	1.23	2.387	2.305	0.08	194	92
Total Cereals		40.55	39.54	41.214	42.057	-0.84	104	102
4	Red Gram	1.40	0.61	1.221	1.391	-0.17	199	87
5	Black Gram	1.80	0.87	1.692	1.566	0.13	194	94
6	Green Gram	0.22	0.09	0.187	0.186	0.00	213	85
7	Other Kharif Pulses	0.35	0.42	0.300	0.274	0.03	72	87
Total Kharif Pulses		3.77	1.99	3.400	3.417	-0.02	171	90
8	Groundnut	0.60	0.26	0.593	0.509	0.08	227	99
9	Soybean	1.10	0.97	0.520	0.776	-0.26	54	47
10	Sunflower	0.01	0.00	0.005	0.004	0.00	214	90
11	Sesame	0.32	0.20	0.280	0.316	-0.04	140	88
12	Niger	0.53	0.58	0.600	0.480	0.12	104	113
Total Oilseed		2.55	2.01	1.997	2.085	-0.09	99	78
13	Others	1.33	0.01	1.379	1.332	0.05	0	104
Total Kharif Crops		48.20	43.55	47.989	48.891	-0.90	110	100
Normal Area- DES (Ave. : 2015-16 to 2019-20) SDA: State Department of Agriculture								

4.2 Summary : All India Pulses (Rabi-2021-22)

(Area :Lakh ha)

Sl. No	Crops	Normal Area	Area Covered		Change over (+/-) 2020-21	
			2021-22	2020-21	Actual	%
1	Gram	95.663	114.95	110.38	4.57	4
2	Lentil	13.903	17.71	16.91	0.80	5
3	Field pea	8.031	10.18	10.38	-0.20	-2
4	Kulthi	2.004	3.71	3.89	-0.17	-4
5	Urdbean	9.074	8.17	8.33	-0.17	-2
6	Mungbean	9.409	5.13	7.03	-1.90	-27
7	Lathyrus	3.618	3.49	3.13	0.36	11
8	Other Rabi Pulses	4.443	4.94	6.05	-1.11	-18
Total Rabi Pulses		146.145	168.27	166.10	2.17	1

*Normal Area- DES Ave. : 2015-16 to 2019-20)***II. Overall Rabi Pulses Scenario**

- *The current Normal Rabi pulse area (2015-16 to 2019-20) works out to be 146.145 Lakh ha instead of 146.672 Lakh ha; including Gram; 95.663 Lha, Lentil;13.903 Lha, Field pea; 8.031 Lha, Kulthi; 2.004 Lha, Urdbean; 9.074 Lha, Mungbean; 9.409 Lha, Lathyrus; 3.618 Lha and other Rabi pulses;4.443 Lha for current Rabi-2021-22 due to the discrepancy of total normal area of field pea total. The total normal area of field pea is 8.031 Lakh ha instead of 7.983 Lakh ha (DES figure).*
- The current Rabi season's pulses coverage is **168.27 Lakh ha** which is **115%** of total normal area of **146.145 lakh ha**. This coverage is **2.17 lakh ha higher against** the previous year of the corresponding week of the Rabi-2020-21. The major rabi pulses gram, lentil, fieldpea and kulthi coverage is also more than the normal area.
- The total Rabi Pulses coverage is higher over the last year as well as the coverage during last five years.
- The crop-wise coverage of the normal area is Gram:120%, Lentil:127%, Field pea: 127%, Kulthi:185%, Urdbean:90%, Mungbean:54%, Lathyrus:97% and other pulses:111% as on the date.
- The total Rabi pulses sowing/planting is completed in major states of Gujarat (396%), Uttar Pradesh (126%), Rajasthan (123%), Maharashtra (146%), Chhattisgarh (129%), Karnataka (96%) and Madhya Pradesh (86%) against total normal area of the states as on the date.
- Total coverage exceeded the normal in the states of Chhattisgarh, Gujarat, Maharashtra, Odisha and Rajasthan, however, is less than the normal in the states of (AP, Assam, Bihar, Madhya Pradesh and Tamil Nadu).
- Pulses are at flowering to maturity stage and overall crop condition is normal.

III. OVERALL SCENARIO: CROP-WISE

1. Gram

- Occupies 65% of area and contributes to 70% of total Rabi pulse production. **More than 98%** of chickpea production is realized from **10 states** of MP (37%), Rajasthan (17%), MS (16%), Karnataka (7%), UP (6%), AP (5%), , GJ ,CG (each 3%), Jharkhand (2%) & Telangana (1%).
- Current year gram coverage is about 115 lakh ha which is 20% more than the normal area of 95.66 lakh ha and also more than the previous five year's coverage. This coverage is 4.56 Lha higher than the previous year coverage.
- The coverage is exceeded the normal in the state of Maharashtra (8.87 Lha), Gujarat (8.71 Lha), and Rajasthan (4.17 Lha), Uttar Pradesh (0.90 Lha), Bihar (0.64 Lha) and Telangana (0.33 Lha). The significant area increased in Gujarat state is four fold.
- The major shortfall observed in the state of Madhya Pradesh and Andhra Pradesh than the normal area.
- Crop is at flowering to maturity stage and overall crop condition is normal.

2. Lentil

- Occupies 09% of area and contributes to 09% of total Rabi pulse production. More than 98% of lentil production is contributed by 07 states of MP (35%), UP (33%), Bihar (11%), WB (10 %), Jharkhand (4 %) ,Rajasthan (4%) and Assam (2%).
- The current year lentil coverage is 17.71 lakh ha which 27% is more than the normal area of 13.90 lakh ha. It is also higher 0.80 Lha than the previous year coverage.
- The coverage is exceeded the normal in the state of Bihar, Chhattisgarh, Madhya Pradesh and Uttar Pradesh.
- Crop is at flowering to pod development stage and overall crop condition is normal.

3. Field pea

- Occupies 5% of area and contributes to 6% of total Rabi pulse production. More than 96% of pea production is contributed from 08 states of UP (51%), MP (24%), Jharkhand (7%), HP, RJ & Assam (each 3%),WB, Odisha and Bihar (each 2 %).
- The current year field pea coverage is 10.18 lakh ha which is 27% more than the normal area of 8.03 lakh ha.
- The coverage is exceeded the normal in the state of Bihar, Chhattisgarh and Uttar Pradesh.
- Crop is at flowering to pod development stage and overall crop condition is normal.

4. Kulthi

- The current year Kulthi coverage is 3.71 lakh ha which is 85% is more than the normal area of 2.00 Lha.
- Crop is at flowering to pod development stage and overall crop condition is normal.

5. Urdbean

- Occupies 6% of area and contributed to 5% of total Rabi pulse production. 95% production contribution is by 05 states of AP (45%), TN (34%), MP (5%), Assam (5%) and UP (5%).
- The current Rabi coverage is 8.16 lakh ha which is 10% less than the normal area of 9.07 lakh ha.
- The total coverage is exceeded the normal in the state of Odisha and Chhattisgarh.
- Crop is at flowering to pod development stage and overall crop condition is normal.

6. Mungbean

- Occupies 7% of area and contributes to 4% of total Rabi pulse production. 94% production contributed by 08 states of MP (27%), Bihar (18%), A.P. (13%), TN (10%) , Odisha (10%), UP (6%) & WB (5%), GJ (4%).
- The current year mungbean coverage is 5.13 Lha which 46% less than the normal area of 9.41 lakh ha.

- The total coverage is exceeded the normal in the state of Odisha and Chhattisgarh.
- Crop is at flowering to pod development stage and overall crop condition is normal.

7. Lathyrus

- The current year crop coverage is 3.49 lakh ha which is 03% less than the normal area of 3.62 Lha.
- Crop is at pod development to maturity stage and overall crop condition is normal.

4.2.1 Crop-wise & State-wise area coverage (Rabi Pulses 2021-22)

i) Gram

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+/-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Andhra Pradesh	4.650	4.170	4.190	-0.020	
2.	Assam	0.023	0.015	0.015		
3.	Bihar	0.572	1.210	1.180	0.030	
4.	Chhattisgarh	3.263	3.851	3.874	-0.023	-1
5.	Gujarat	2.300	11.014	8.191	2.823	34
6.	Haryana	0.400	0.360	0.380	-0.020	-5
7.	Himachal Pradesh	0.004				
8.	Jammu & Kashmir	0.000	0.050		0.050	
9.	Jharkhand	2.054	2.580	2.659	-0.079	-3
10.	Karnataka	11.361	11.030	11.750	-0.720	-6
11.	Kerala	0.013				
12.	Madhya Pradesh	29.716	25.060	24.840	0.220	1
13.	Maharashtra	18.218	27.085	24.752	2.334	9
14.	Manipur	0.008				
15.	Meghalaya	0.019	0.019	0.019		
16.	Nagaland	0.008	0.006	0.006		
17.	Odisha	0.342	0.328	0.269	0.059	22
18.	Punjab	0.017	0.050	0.030	0.020	67
19.	Rajasthan	16.244	20.416	20.630	-0.214	-1
20.	Tamil Nadu	0.053	0.032	0.054	-0.022	-41
21.	Telangana	1.006	1.333	1.253	0.080	6
22.	Tripura	0.003				
23.	Uttar Pradesh	5.048	5.951	5.882	0.069	1
24.	Uttarakhand	0.009	0.010	0.010		
25.	West Bengal	0.326	0.380	0.400	-0.020	-5
26.	Others	0.006				
	TOTAL	95.663	114.950	110.383	4.566	4

(Normal Area- DES Ave. : 2015-16 to 2019-20)

ii) Lentil

(Area : Lakh ha)

S.No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Arunachal Pradesh	0.003	0.004	0.004	0.000	-2
2.	Assam	0.262	0.295	0.380	-0.085	-22
3.	Bihar	1.452	2.290	2.250	0.040	2
4.	Chhattisgarh	0.153	0.309	0.322	-0.013	-4
5.	Haryana	0.021				
6.	Himachal Pradesh	0.006				
7.	Jammu & Kashmir	0.001	0.026	0.000	0.026	00
8.	Jharkhand	0.532	0.649	0.724	-0.075	-10
9.	Madhya Pradesh	4.942	6.230	5.410	0.820	15
10.	Manipur	0.006				
11.	Meghalaya	0.005	0.013	0.013		
12.	Nagaland	0.017	0.019	0.020	-0.001	-3
13.	Odisha	0.082	0.105	0.084	0.021	25
14.	Punjab	0.006	0.010	0.010	0.000	0
15.	Rajasthan	0.437				
16.	Tripura	0.023				
17.	Uttar Pradesh	4.494	6.161	6.016	0.145	2
18.	Uttarakhand	0.104	0.140	0.150	-0.010	-7
19.	West Bengal	1.357	1.460	1.530	-0.070	-5
	TOTAL	13.903	17.711	16.913	0.798	5

(Normal Area- DES Ave. : 2015-16 to 2019-20)

iii) Fieldpea

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Arunachal Pradesh		0.037	0.036	0.001	1
2.	Assam	0.266	0.327	0.442	-0.115	-26
3.	Bihar	0.168	0.270	0.340	-0.070	-21
4.	Chhattisgarh	0.144	0.449	0.491	-0.043	-9
5.	Haryana	0.019				
6.	Himachal Pradesh	0.084				
7.	Jammu & Kashmir	0.011	0.046	0.000	0.046	00
8.	Jharkhand	0.525	0.615	0.601	0.014	2
9.	Kerala	0.006				
10.	Madhya Pradesh	2.701	2.580	2.540	0.040	2
11.	Manipur	0.178				
12.	Meghalaya		0.024	0.023		
13.	Nagaland		0.054	0.063	-0.009	-14
14.	Odisha	0.241	0.313	0.323	-0.010	-3

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
15.	Punjab	0.029				
16.	Rajasthan	0.122				
17.	Tripura	0.027				
18.	Uttar Pradesh	3.282	5.244	5.283	-0.039	-1
19.	Uttarakhand	0.062	0.080	0.080		
20.	West Bengal	0.168	0.140	0.155	-0.015	-10
	TOTAL	8.031	10.177	10.377	-0.200	-2

(Normal Area- DES Ave. : 2015-16 to 2019-20)

iv) Kulthi

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1	Andhra Pradesh	0.294	0.130	0.210	-0.080	-38
5	Chhattisgarh	0.032	0.217	0.235	-0.018	-8
11	Karnataka	1.026	0.920	0.940	-0.020	-2
13	Madhya Pradesh	0.013				
19	Odisha	0.001	1.781	1.768	0.012	1
23	Tamil Nadu	0.606	0.651	0.716	-0.065	-9
24	Telangana	0.012	0.006	0.004	0.002	39
28	West Bengal	0.020	0.006	0.011	-0.005	-45
	TOTAL	2.004	3.711	3.885	-0.174	-4

(Normal Area- DES Ave. : 2015-16 to 2019-20)

v) Urdbean

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Andhra Pradesh	3.586	3.430	3.370	0.060	2
2.	Arunachal Pradesh	0.011	0.014	0.014	0.000	-1
3.	Assam	0.577				
4.	Chhattisgarh	0.053	0.088	0.129	-0.040	-31
5.	Gujarat	0.065				
6.	Karnataka	0.050	0.030	0.030		
7.	Madhya Pradesh	0.296				
8.	Manipur	0.011				
9.	Nagaland	0.007	0.007	0.007		-3
10.	Odisha	0.100	1.492	1.903	-0.411	-22
11.	Tamil Nadu	3.642	2.708	2.634	0.074	3
12.	Telangana	0.074	0.299	0.154	0.145	94
13.	Tripura	0.019				
14.	Uttar Pradesh	0.472				

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
15.	West Bengal	0.104	0.097	0.090	0.007	8
16.	Others	0.007				
	TOTAL	9.074	8.165	8.331	-0.166	-2

(Normal Area- DES Ave. : 2015-16 to 2019-20)

vi) Moongbean

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Andhra Pradesh	1.160	0.830	0.820	0.010	1
2.	Assam	0.110				
3.	Bihar	1.615				
4.	Chhattisgarh	0.066	0.148	0.205	-0.057	-28
5.	Gujarat	0.292				
6.	Haryana	0.100				
7.	Karnataka	0.067	0.030	0.020	0.010	50
8.	Madhya Pradesh	1.532				
9.	Manipur	0.004				
10.	Odisha	1.595	3.467	5.531	-2.064	-37
11.	Punjab	0.168				
12.	Rajasthan	0.007				
13.	Tamil Nadu	1.571	0.573	0.344	0.229	67
14.	Telangana	0.086	0.068	0.095	-0.027	-28
15.	Tripura	0.017				
16.	Uttar Pradesh	0.480				
17.	West Bengal	0.527	0.011	0.014	-0.003	-21
18.	Others	0.012				
	TOTAL	9.409	5.127	7.029	-1.902	-27

(Normal Area- DES Ave. : 2015-16 to 2019-20)

vii) Lathyrus

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Bihar	0.497				
2.	Chhattisgarh	2.327	2.637	2.234	0.402	18
3.	West Bengal	0.794	0.857	0.900	-0.043	-5
	TOTAL	3.618	3.494	3.134	0.359	11

(Normal Area- DES Ave. : 2015-16 to 2019-20)

viii) Other Rabi Pulses

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+/-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Andhra Pradesh	0.186	0.180	0.200	-0.020	-10
2.	Arunachal Pradesh	0.051	0.012	0.012	0.000	-2
3.	Assam	0.179	0.113	0.178	-0.065	-37
4.	Bihar	0.014	0.300	1.040	-0.740	-71
5.	Chhattisgarh	0.005	0.079	0.071	0.008	11
6.	Gujarat	0.240	0.452	0.528	-0.076	-14
7.	Haryana		0.030	0.060	-0.030	-50
8.	Himachal Pradesh	0.038				
9.	Jammu & Kashmir	0.008	0.003		0.003	00
10.	Jharkhand	0.204	0.224	0.199	0.025	13
11.	Karnataka	0.210	0.250	0.200	0.050	25
12.	Madhya Pradesh	0.337				0
13.	Maharashtra	1.145	1.205	1.601	-0.396	-25
14.	Manipur	0.068				
15.	Meghalaya	0.050	0.017	0.017		1
16.	Mizoram	0.015				
17.	Nagaland	0.180	0.081	0.092	-0.011	-12
18.	Odisha	1.033	1.191	1.021	0.170	17
19.	Punjab		0.020	0.020		
20.	Rajasthan	0.059	0.282	0.291	-0.009	-3
21.	Tamil Nadu	0.308	0.394	0.414	-0.020	-5
22.	Telangana	0.050	0.064	0.047	0.017	36
23.	Tripura	0.007				
24.	West Bengal	0.006	0.041	0.059	-0.018	-31
25.	Others	0.050				
	TOTAL	4.443	4.938	6.051	-1.113	-18

(Normal Area- DES Ave. : 2015-16 to 2019-20)

ix) Total Rabi Pulses

(Area : Lakh ha)

S. No	States	Normal Area	Area Covered		Change over (+/-)	
			This Year 2021-22	Last Year 2020-21	Actual	%
1.	Andhra Pradesh	9.876	8.740	8.790	-0.050	-1
2.	Arunachal Pradesh	0.065	0.067	0.067	0.000	0
3.	Assam	1.417	0.750	1.015	-0.265	-26
4.	Bihar	4.317	4.070	4.810	-0.740	-15
5.	Chhattisgarh	6.044	7.778	7.561	0.217	3
6.	Gujarat	2.897	11.465	8.719	2.747	32
7.	Haryana	0.540	0.390	0.440	-0.050	-11
8.	Himachal Pradesh	0.132				
9.	Jammu & Kashmir	0.020	0.124	0.000	0.124	00
10.	Jharkhand	3.315	4.068	4.183	-0.115	-3
11.	Karnataka	12.714	12.260	12.940	-0.680	-5
12.	Kerala	0.019				
13.	Madhya Pradesh	39.536	33.870	32.790	1.080	3
14.	Maharashtra	19.363	28.290	26.353	1.938	7
15.	Manipur	0.276				
16.	Meghalaya	0.074	0.072	0.072		
17.	Mizoram	0.015				
18.	Nagaland	0.212	0.167	0.188	-0.021	-11
19.	Odisha	3.394	8.677	10.900	-2.223	-20
20.	Punjab	0.220	0.080	0.060	0.020	33
21.	Rajasthan	16.869	20.697	20.921	-0.224	-1
22.	Tamil Nadu	6.179	4.358	4.162	0.196	5
23.	Telangana	1.228	1.770	1.553	0.217	14
24.	Tripura	0.095				
25.	Uttar Pradesh	13.776	17.356	17.181	0.175	1
26.	Uttarakhand	0.175	0.230	0.240	-0.010	-4
27.	West Bengal	3.302	2.992	3.159	-0.167	-5
28.	Others	0.075				
	TOTAL	146.145	168.273	166.103	2.170	1

(Normal Area- DES Ave. : 2015-16 to 2019-20)

x) STATE: MADHYA PRADESH: CROP-WISE COVERAGE: (RABI-2021-22)

- The state's normal Rabi-2021-22 area is 108.53 Lha including 59.93 Lha in total cereals, 39.54 Lha in total pulses, 8.01 Lha in total oilseeds and 1.05 Lha in sugarcane.
- The state target for Rabi 2021-22 is 138.89 Lha including 95.68 Lha in total cereals, 32.11 Lha in total pulses, 9.67 Lha in total oilseeds and 1.44 Lha in sugarcane.
- Total sowing under Rabi crop is **139.85 Lakh ha (129% of the normal area of 108.53 Lha)** including 92.38 Lakh ha in total cereals, 33.87 Lakh ha in total pulses 12.74 Lakh ha in total oilseeds and 0.86 Lakh ha in Sugarcane.
- Area sown under Rapeseed & mustard as on the date of reporting is 11.72 Lha which is **170%** of the state normal area of 6.91 Lha and **136%** of the state target area of 8.63 Lha.

Sl No	Crop	Normal Area (DES)	Target Area 2021-22 (SDA)	Area Covered		Actual Difference over 2020-21	% Coverage	
				2021-22	2020-21		Normal	Target
1	Wheat	58.652	94.821	91.370	94.350	-2.98	156	96
2	Others	1.276	0.858	1.010	0.870	0.14	79	118
Total Cereals		59.928	95.679	92.380	95.220	-2.84	154	97
3	Gram	29.716	24.307	25.060	24.840	0.22	84	103
4	Lentil	4.942	5.478	6.230	5.410	0.82	126	114
5	Pea	2.701	2.326	2.580	2.540	0.04	96	111
6	Others	2.177	0.000		0.000	0.00	0	0
Total pulses		39.536	32.110	33.870	32.790	1.08	86	105
Total foodgrains		99.464	127.789	126.25	128.010	-1.76	127	99
7	Rapeseed/ Mustard	6.910	8.628	11.72	7.810	3.91	170	136
8	Linseed	0.978	1.042	1.02	0.840	0.18	104	98
9	Other Oilseeds	0.124	0.000		0.000	0.00	0	0
Total oilseeds		8.012	9.670	12.74	8.650	4.09	159	132
10	Sugarcane	1.052	1.436	0.86	0.980	-0.12	82	60
Total Rabi Area		108.528	138.894	139.850	137.640	2.21	129	101
<i>Normal Area- DES (Ave. 2015-16 to 2019-20), SDA: State Department of Agriculture</i>								

xi) STATE: CHHATTISGARH: CROP-WISE COVERAGE: (RABI-2021-22)

- The state's normal Rabi 2021-22 area is 8.12 Lha including 1.10 Lha in total cereals, 6.04 Lha in total pulses, 0.68 Lha in total oilseeds and 0.30 Lha in sugarcane.
- The state target for Rabi 2021-22 is 18.25 Lha including 5.10 Lha in total cereals, 8.20 Lha in total pulses, 2.80 Lha in total oilseeds and 0.45 Lha in sugarcane.
- As on the date, total sowing under Rabi crop is **15.12 Lakh ha (186% of the normal area of 8.12 Lha)** including 3.69 Lakh ha in total cereals, 7.78 Lakh ha in total pulses and 2.06 Lakh ha in total oilseeds.
- Area sown under Rapeseed & mustard as on the date of reporting is 1.41 Lha which is **323%** of the state normal area of 0.438 Lha and **88%** of the state target area of 1.60 Lha.

Sl No .	Crop	Normal Area (DES)	Target Area 2021-22 (SDA)	Area Covered		Actual Difference over 2020-21	% Coverage	
				2021-22	2020-21		Normal	Target
1	Wheat	1.078	2.500	2.198	2.017	0.18	204	88
2	Paddy	0.000	1.000	0.667	1.282	-0.62	0	67
3	Maize	0.000	1.500	0.751	0.767	-0.02	0	50
4	Jowar & Oth.	0.021	0.100	0.069	0.069	0.00	330	69
Total Cereals		1.099	5.100	3.685	4.135	-0.45	335	72
5	Gram	3.263	4.000	3.851	3.874	-0.02	118	96
6	Lentil	0.153	0.400	0.309	0.322	-0.01	202	77
7	Peas	0.144	0.550	0.449	0.491	-0.04	312	82
8	Kulthi	0.032	0.300	0.217	0.235	-0.02	678	72
9	Urd	0.053	0.300	0.088	0.129	-0.04	166	29
10	Mung	0.066	0.350	0.148	0.205	-0.06	224	42
11	Lathyrus	2.327	2.300	2.637	2.234	0.40	113	115
12	Others	0.006	0.000	0.079	0.071	0.01	1317	0
Total Pulses		6.044	8.200	7.778	7.561	0.22	129	95
Total foodgrains		7.143	13.300	11.463	11.69	-0.23	160	86
13	Rapeseed/ Mustard	0.438	1.600	1.412	1.396	0.02	323	88
14	Linseed	0.233	0.600	0.396	0.403	-0.01	170	66
15	Sesamum	0.000	0.090	0.012	0.021	-0.01	0	14
16	Sunflower	0.001	0.060	0.020	0.043	-0.02	2550	34
17	Groundnut	0.000	0.350	0.137	0.235	-0.10	0	39
18	Safflower	0.005	0.100	0.053	0.040	0.01	1052	53
19	Others	0.000	0.000	0.025	0.006	0.02	0	0
Total Oilseeds		0.676	2.800	2.055	2.143	-0.09	304	73
20	Sugarcane	0.297	0.450	0.185	0.118	0.067	62	41
21	Others	0.000	1.700	1.419	1.607	-0.188	0	83
Total area Rabi		8.116	18.250	15.122	15.56	-0.44	186	83
(Normal Area (DES) Ave. 2015-16 to 2019-20)								

4.3 SUMMARY : ALL INDIA PULSES (SPRING/SUMMER-2022)

(Area: Lakh ha)

Crop	Target SDA 2022	Area Covered		Change over (+/-)	
		2022	2021	Actual	%
Mung	18.681	19.158	16.578	2.579	16
Urd	3.866	3.650	2.693	0.957	36
Other Pulses	0.457	0.247	0.375	-0.129	-34
Total Spring/ Summer	23.004	23.054	19.647	3.407	17

ALL INDIA SPRING/SUMMER: PULSES

- The area targets as reported by the states, under spring/summer pulse during 2022 are **23.00 Lha** (*Mung; 18.68 Lha, Urd; 3.87 Lha and other pulses; 0.46 Lha*).
- As on the date, the total spring/summer pulses coverage during 2022 is **23.05 Lakh ha** (*Mung; 19.16 Lha, Urd; 3.65 Lha and other pulses; 0.25 Lha*). This coverage is **3.41 Lha** more as compared to corresponding period of last year-2021, as well as ever highest area reported during corresponding period of preceding years.
- *The higher area has been reported as compared to corresponding period of last year-2021 in Madhya Pradesh (3.84 Lha), Andhra Pradesh & Punjab (0.30 Lha), Gujarat (0.19 Lha), Tamil Nadu (0.12 Lha) and Uttar Pradesh (0.11 Lha).*

4.3.1 Crop-wise & State-wise area coverage (Spring/Summer-2022)**i) Moong**

(Area : Lakh ha)

S. No	States	Target-2021-22 (SDA)	Area Covered		Change over (+/-)	
			This Year 2022	Last Year 2021	Actual	%
1	Andhra Pradesh	1.000	0.249	0.037	0.212	574
2	Assam	0.065	0.060	0.051	0.009	18
3	Bihar	4.390	4.020	5.300	-1.280	-24
4	Chhattisgarh	0.250	0.160	0.170	-0.010	-6
5	Gujarat	0.550	0.701	0.592	0.110	19
6	Jharkhand	0.300	0.102	0.035	0.067	195
7	Karnataka	0.008	0.010	0.010	0.000	0
8	Madhya Pradesh	9.298	8.501	4.777	3.724	78
9	Maharashtra		0.233	0.000	0.233	00
10	Odisha	0.900	2.076	2.880	-0.804	-28
11	Punjab		0.520	0.220	0.300	136
12	Rajasthan		0.090	0.000	0.090	00
13	Tamil Nadu	0.450	0.948	0.997	-0.049	-5
14	Uttar Pradesh	0.820	0.836	0.790	0.046	6
15	West Bengal	0.650	0.650	0.720	-0.070	-10
	TOTAL	18.681	19.158	16.578	2.579	16

ii) Urd

(Area : Lakh ha)

S. No	States	Target-2021-22 (SDA)	Area Covered		Change over (+/-)	
			This Year 2022	Last Year 2021	Actual	%
1	Andhra Pradesh	0.050	0.103	0.020	0.08	414
2	Assam	0.156	0.143	0.117	0.03	22
3	Bihar	0.125	0.140	0.000	0.14	00
4	Chhattisgarh	0.200	0.190	0.150	0.04	27
5	Gujarat	0.100	0.255	0.179	0.08	43
6	Karnataka	0.009	0.013	0.000	0.01	#DIV/0!
7	Madhya Pradesh	0.661	0.528	0.408	0.12	29
8	Maharashtra		0.004	0.000	0.00	#DIV/0!
9	Odisha	0.290	0.501	0.280	0.22	79
10	Tamil Nadu	1.570	1.006	0.838	0.17	20
11	Uttar Pradesh	0.655	0.692	0.628	0.06	10
12	West Bengal	0.050	0.075	0.073	0.00	3
	TOTAL	3.866	3.650	2.693	0.957	36
3. Other Pulses						
1	J.& Kashmir	0.050	0.010	0.004	0.01	153
2	Karnataka	0.067	0.087	0.090	0.00	-3
3	Maharashtra	0.050	0.025	0.176	-0.15	-86
4	Odisha	0.160	0.031	0.000	0.03	00
5	Tamil Nadu	0.090	0.045	0.046	0.00	-2
6	Uttarakhand	0.040	0.049	0.059	-0.01	-17
	TOTAL	0.457	0.247	0.375	-0.129	-34

iii) Total Spring/Summer Pulses

S. No	States	Target-2021-22 (SDA)	Area Covered		Change over (+/-)	
			This Year 2022	Last Year 2021	Actual	%
1	Andhra Pradesh	1.050	0.352	0.057	0.30	518
2	Assam	0.221	0.203	0.168	0.04	21
3	Bihar	4.515	4.160	5.300	-1.14	-22
4	Chhattisgarh	0.450	0.350	0.320	0.03	9
5	Gujarat	0.650	0.957	0.771	0.19	24
6	J.& Kashmir	0.050	0.010	0.004	0.01	153
7	Jharkhand	0.300	0.102	0.035	0.07	189
8	Karnataka	0.084	0.111	0.100	0.01	11
9	Madhya Pradesh	9.959	9.029	5.185	3.84	74
10	Maharashtra	0.050	0.262	0.176	0.09	48
11	Odisha	1.350	2.608	3.160	-0.55	-17
12	Punjab	0.000	0.520	0.220	0.30	136
13	Rajasthan	0.000	0.090	0.000	0.09	#DIV/0!
14	Tamil Nadu	2.110	1.999	1.881	0.12	6
15	Uttar Pradesh	1.475	1.528	1.418	0.11	8
16	Uttarakhand	0.040	0.049	0.059	-0.01	-17
17	West Bengal	0.700	0.725	0.793	-0.07	-9
	TOTAL	23.004	23.054	19.647	3.407	17

iv) STATE: MADHYA PRADESH: CROP-WISE COVERAGE: (SPRING/SUMMER-2021-22)-2022

- The State's total target under spring/summer crops area is **10.73 Lha** including 0.72 Lha in total cereals (Paddy & Maize), 9.96 Lha in total pulses (Mung & Urd) and 0.05 Lha in total oilseeds (Groundnut).
- Total spring/summer crop coverage during 2022 is **9.49 Lakh ha** in the state, which is 88% of the targeted area.

(Area: Lakh ha)

Sl No	Crop	Target Area 2022 (SDA)	Area Covered		2021	% Area Coverage of Target
			2022	2021		
1	Paddy/Other	0.54	0.301	0.338	-0.04	56
2	Maize	0.18	0.123	0.139	-0.02	67
Total Cereals		0.72	0.424	0.476	-0.05	59
3	Moong	9.30	8.501	4.777	3.72	91
4	Urd	0.66	0.528	0.408	0.12	80
Total pulses		9.96	9.029	5.185	3.84	91
5	Groundnut	0.05	0.042	0.040	0.00	87
Total oilseeds		0.05	0.042	0.040	0.00	87
Total Spring/Summer Area		10.73	9.495	5.701	3.79	88

v) STATE: CHHATTISGARH: CROP-WISE COVERAGE: (SPRING/SUMMER-2021-22)-2022

- The State's total target under spring/summer crops area is **1.76 Lha** including 0.71 Lha in total cereals (Maize), 0.45 Lha in total pulses (Mung & Urd) and 0.60 Lha in total oilseeds (Sunflower, Sesame & Groundnut).
- Total spring/summer crop coverage during 2022 is **2.21 Lakh ha** in the state, which is 126% of the targeted area.

(Area: Lakh ha)

Sl No.	Crop	Target Area 2022 (SDA)	Area Covered		2021	% Area Coverage Target
			2022	2021		
1	Paddy	0.00	1.010	1.800	-0.79	0
2	Maize	0.71	0.520	0.410	0.11	73
Total Cereals		0.71	1.530	2.210	-0.68	215
3	Moong	0.25	0.160	0.170	-0.01	64
4	Urd	0.20	0.190	0.150	0.04	95
Total Pulses		0.45	0.350	0.320	0.03	78
5	Sunflower	0.10	0.040	0.050	-0.01	40
6	Sesamum	0.10	0.020	0.030	-0.01	20
7	Groundnut	0.40	0.270	0.280	-0.01	68
Total Oilseeds		0.60	0.330	0.360	-0.03	55
Total Area Spring/Summer		1.76	2.210	2.890	-0.68	126
