

## **12. (a) A BRIEF SUMMARY ON FOODGRAINS:**

**Foodgrains:** The Crops Division has set a production target of 274.55 million tonnes of foodgrains during the 2017-18. Keeping in view the normal monsoon forecast and record production of 273.38 million tonnes of foodgrains during 2016-17 (3<sup>rd</sup> Advance Estimates), it is expected that the agricultural growth will likely be around 4% in 2017-18. Foodgrain production in the country during 2015-16 was almost stagnant at an estimated 252.23 million tonnes, compared to 2014-15 production of 252.02 million tonnes, as drought and un-seasonal rains affected crops in several States across the country. To enhance the production and productivity of foodgrains, National Food Security Mission (NFSM) is being implemented in all the 29 states of the country.

### **i. Rice:**

Rice being important staple food of India and continues to play a vital role in the national food and livelihood security system. India is having largest area under rice crop. However, productivity is lower than world's average productivity. The reason for low productivity is that rice is being grown in the country under various agro-ecologies i.e. irrigated and rainfed systems. The States like Uttar Pradesh, Bihar, West Bengal, Orissa, Jharkhand, Chhattisgarh and Assam are having huge potential for rice cultivation and there is scope to increase productivity in this region. Therefore, these States are covered under BGREI besides NFSM programme.

To increase the production and productivity of Rice, the NFSM-Rice programme is being implemented in 194 districts of 25 states i.e., Andhra Pradesh (5), Arunachal Pradesh (10), Assam (13), Bihar (15), Chhattisgarh (13), Gujarat (2), Himachal Pradesh (2), Jammu & Kashmir (8), Jharkhand (4), Karnataka (7), Kerala (1), Madhya Pradesh (8), Maharashtra (8), Manipur (9), Meghalaya (7), Mizoram (6), Nagaland (11), Odisha (8), Sikkim (2), Tamil Nadu (8), Telangana (4), Tripura (8), Uttar Pradesh (23), Uttarakhand (5), and West Bengal (7).

### **ii. Wheat:**

Wheat is the second most important staple food crop and plays a key role in food and nutritional security of the country. Higher productivity of wheat is mainly confined to states contributed to green revolution like Punjab, Haryana and Western parts of Uttar Pradesh. To meet the ever raising demands of growing population there is need to increase production by enhancing productivity in states like eastern Uttar Pradesh, Madhya Pradesh, Rajasthan, Bihar, Gujarat and Maharashtra. Various interventions are being promoted to enhance the production and productivity of wheat under NFSM. Newer varieties, resource conservation technologies like zero till seed drill are promoted in eastern India for enhancing production and productivity of wheat.

To increase the production and productivity of Wheat, the NFSM-Wheat programme is being implemented in 126 districts of 11 states i.e. Bihar (10), Gujarat (5), Haryana (7), Himachal Pradesh (11), Jammu & Kashmir (8), Madhya Pradesh (16), Maharashtra (3), Punjab (12), Rajasthan (14), Uttar Pradesh (31), and Uttarakhand (9).

### **iii. Pulses:**

Pulses are an important source of protein for human being. More than 80% of the pulses are grown in rainfed condition. India is one of the largest producers as well as consumers of pulses. Under NFSM, a number of initiatives have been taken in last two years to increase production of pulses like, intercropping of pulses with cereals, oilseeds and commercial crops, cultivation of pigeon pea pulses on farm bunds, additional demonstrations during rabi and summer, demonstrations of pulses under BGREI, laying of demonstrations through KVKs etc.

In addition to existing interventions under NFSM-Pulses, from the year 2016-17 new initiatives/ interventions have been taken to increase pulses production like breeder seed production, creation of seed hubs, distribution of seed minikit, promotion of INM and IPM, targeting rice fallow areas, new/improved technology demonstration among farmers through KVKs etc.

To increase the production and productivity of Pulses, the NFSM-Pulses programme is being implemented in 622 districts of 27 states i.e. Andhra Pradesh (13), Arunachal Pradesh (17), Assam (27), Bihar (38), Chhattisgarh (27), Gujarat (26), Haryana (21), Himachal Pradesh (12), Jammu & Kashmir (22), Jharkhand (24), Karnataka (30), Madhya Pradesh (51), Maharashtra (33), Manipur (9), Meghalaya (11), Mizoram (8), Nagaland (11), Odisha (30), Punjab (22), Rajasthan (33), Sikkim (4), Tamil Nadu (30), Telangana (9), Tripura (8), Uttar Pradesh (75), Uttarakhand (13), and West Bengal (18).

Besides, a programme on Additional Area coverage of Pulses during Rabi/Summer has been launched to increase production of rabi/ summer pulses through area expansion of Rabi Pigeonpea, Gram, Pea and Lentil during Rabi and Green Gram and Black Gram during summer in NFSM Pulses implementing States.

### **iv. Coarse Cereals:**

Coarse cereals are the important food and fodder crops in semi-arid regions, source of nutrition to the malnourished and regions facing large climatic uncertainties. These crops have wider adoptability for wide range of temperatures, moisture-regimes. Coarse cereals are mainly grown for dual purpose and used as food for human being and feed and fodder for livestock. Under NFSM-Coarse Cereals, focus is mainly given on demonstrations of improved packages and distribution of quality/ newer variety of seeds for quick adoption among farmers to increase production and productivity of coarse cereals in the country.

To increase the production and productivity of Coarse cereals, the NFSM-Coarse Cereals is being implemented in 265 districts of 28 states i.e. Andhra Pradesh (6), Arunachal Pradesh (17), Assam (4), Bihar (11), Chhattisgarh (9), Gujarat (8), Haryana (5), Himachal Pradesh (12), Jammu & Kashmir (22), Jharkhand (11), Karnataka (11), Kerala (1), Madhya Pradesh (16), Maharashtra (8), Manipur (9), Meghalaya (11), Mizoram (8), Nagaland (11), Odisha (6), Punjab (3), Rajasthan (12), Sikkim (4) Tamil Nadu (10), Telangana (6), Tripura (8), Uttar Pradesh (20) Uttarakhand (13), and West Bengal (3).

Hence, various interventions are being taken up under NFSM for Rice, Wheat, Pulses and Coarse cereals to enhance production and productivity of foodgrains in the country.

## **12. (b) A BRIEF ON COMMERCIAL CROPS:**

Commercial crops are highly demanded in the country. The Government of India has approved Crop Development Programme on Cotton, Jute and Sugarcane for enhancing production and productivity under National Food Security Mission-Commercial Crops (NFSM-CC) w.e.f 2014-15. Under this scheme thrust has been given on transfer of technology through frontline demonstrations and training in order to extend benefits to the farmers.

The Cotton States Covered under the NFSM programme are Assam, Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Telangana, Tamil Nadu, Tripura, Uttar Pradesh & West Bengal.

Jute States Covered under NFSM programme are Andhra Pradesh, Assam, Bihar, Meghalaya, Nagaland, Orissa, Tripura, Uttar Pradesh, & West Bengal.

Sugarcane States Covered under NFSM programme are Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Telangana, Tamil Nadu, Uttarakhand & Uttar Pradesh.

The **crop-wise Area, production targets & achievements and Yield** of foodgrains, oilseeds and commercial crops from 2012-13 to 2016-17 is given at **Annexure-III (a) to (f)**.

The **Season & crop-wise Minimum Support Price (MSP)** of foodgrains, oilseeds and commercial during 12<sup>th</sup> Plan (2012-13 to 2016-17) is given at **Annexure-IV**.

The **crop-wise Statement on** export and Import of crops/principal Agricultural commodities **during** 2016-17 and last year are given at **Annexure-V (a) & (b)**.

The summary of **Monsoon Rainfall & Production of foodgrains** during 2006-07 to 2016-17 is at **Annexure-VI**.