

**Procedure for Preparation of Advance Estimates**

The advance estimates are compiled on the basis of information received from 20 major producing states and the rest of the states clubbed together as ‘Others’. The advance estimates are brought out for foodgrain, oilseed and other commercial crops. For each advance estimate,

For foodgrain crops:

$$AE_A^F = \sum_{i=1}^{21} \sum_{j=1}^{14} (A_{ij} + \alpha_{ij})$$

$$AE_P^F = \sum_{i=1}^{21} \sum_{j=1}^{14} (P_{ij} + \beta_{ij})$$

$$AE_Y^F = \frac{AE_P^F}{AE_A^F}$$

where,

$AE_A^F$  stands for advance estimate of area of foodgrain crops,

$AE_P^F$  stands for advance estimate of production of foodgrain crops,

$AE_Y^F$  stands for advance estimate of yield of foodgrain crops,

$A_{ij}$  stands for area under  $j^{\text{th}}$  crop in the  $i^{\text{th}}$  state,

$P_{ij}$  stands for production under  $j^{\text{th}}$  crop in the  $i^{\text{th}}$  state, and

$\alpha_{ij}$  and  $\beta_{ij}$  are the adjustment factors for  $j^{\text{th}}$  crop in the  $i^{\text{th}}$  state.

The 14 foodgrain crops are rice, wheat, jowar, bajra, maize, ragi, barley, small millets, tur, urad, moong, gram, other kharif pulses and other rabi pulses.

For oilseed crops:

$$AE_A^O = \sum_{i=1}^{21} \sum_{j=1}^9 (A_{ij} + \alpha_{ij})$$

$$AE_P^O = \sum_{i=1}^{21} \sum_{j=1}^9 (P_{ij} + \beta_{ij})$$

$$AE_Y^O = \frac{AE_P^O}{AE_A^O}$$

where,

$AE_A^O$  stands for advance estimate of area of oilseed crops,

$AE_P^O$  stands for advance estimate of production of oilseed crops,

$AE_Y^O$  stands for advance estimate of yield of oilseed crops,

The nine oilseed crops are groundnut, soyabean, sunflower, safflower, rapeseed & mustard, castorseed, nigerseed, sesamum and linseed.

For other commercial crops:

$$AE_A^{CC} = \sum_{i=1}^{21} (A_i + \alpha_i)$$

$$AE_P^{CC} = \sum_{i=1}^{21} (P_i + \beta_i)$$

$$AE_Y^{CC} = \frac{AE_P^{CC}}{AE_A^{CC}}$$

where,

$AE_A^{CC}$  stands for advance estimate of area of a commercial crop,

$AE_P^{CC}$  stands for advance estimate of production of a commercial crop,

$AE_Y^{CC}$  stands for advance estimate of yield of a commercial crop,

$A_i$  stands for area in the  $i^{\text{th}}$  state of a commercial crop,

$P_i$  stands for production in the  $i^{\text{th}}$  state of a commercial crop, and

$\alpha_i$  and  $\beta_i$  are the adjustment factors for the  $i^{\text{th}}$  state of a commercial crop.

The commercial crops are sugarcane, cotton, jute and mesta.

The Final Estimates (FE) are compiled on the basis of estimates provided by all the 35 States/UTs in respect of 44 crops, including 27 advance estimates crops. For the final estimates,

$$FE_A^F = \sum_{i=1}^{35} \sum_{j=1}^{12} A_{ij}, \quad FE_P^F = \sum_{i=1}^{35} \sum_{j=1}^{12} P_{ij},$$

$$FE_A^O = \sum_{i=1}^{35} \sum_{j=1}^9 A_{ij}, \quad FE_P^O = \sum_{i=1}^{35} \sum_{j=1}^9 P_{ij}, \text{ and}$$

$$FE_A^{OC} = \sum_{i=1}^{35} A_i, \quad FE_P^{OC} = \sum_{i=1}^{35} P_i$$

where, OC stands for other crops comprising sugarcane, cotton, jute, mesta, arecanut, banana, black pepper, cardamom, coconut, coriander, dry chillies, dry ginger, garlic, guarseed, onion, potato, sanhemp, sweet potato, tapioca, tobacco and turmeric.

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