IOPEPC Kharif-2015 Crop Survey

Forecasts of crop production help the stakeholders in making various decisions relating to storage, distribution, pricing, marketing and also determining the potential of and necessity to export. Reliable and timely forecasts help the trade plan its business in a more efficient and profitable manner.

The first advance crop estimates for kharif are announced by the Directorate of Economics and Statistics, Govt. of India every year usually in September (when the south-west monsoon season comes to a close). These estimates are framed on the basis of area covered by a crop and the average yield of that crop for the previous few years. The second advance estimates of kharif crops are announced in February after considering the revised figures of area and production. This, however, happens two-three months after the bulk of kharif produce begins to arrive in the marketing yards.

With an objective of providing crop estimates especially of groundnut in the month of November itself i.e. coinciding with or soon after completion of harvesting of bulk of the crop, the IOPEPC has been organizing kharif crop surveys for the past several years and announcing the estimated figures at its annual trade meets.

In October 2015, the IOPEPC organized a survey of kharif-2015 groundnut crop. For this purpose, a large number of farmers were interviewed in six major groundnut growing states of India viz. Gujarat, Rajasthan, Maharashtra, Karnataka, Andhra Pradesh and Tamil Nadu. In Kharif-2015, these six states collectively accounted for 87.5% of the national cropped area of groundnut.

Human resource available with five state agricultural universities (crop experts and PG students) was availed of for conducting on-farm interviews. The universities are JAU, Junagadh; SKRAU, Bikaner; UAS, Dharwad; ANGRAU, Guntur; TNAU, Coimbatore. The survey Maharashtra was undertaken directly by the functionaries of IOPEPC.

The approach and methodology

- Obtain data on district-wise acreage of groundnut from the respective state government
- Conduct survey only in major producing states i.e. Gujarat, Rajasthan, Maharashtra, Karnataka, Andhra Pradesh and Tamil Nadu which were together reported to account for 87.5% of the area sown under groundnut.
- In each state, conduct survey only such districts which have large acreage and which collectively account for nearly >80% of the state acreage
- Conduct on site interview of farmers (village/field) on the basis of a pre-defined questionnaire
- Estimate district-wise average yield on the basis of information collected from the farmers
- Work out anticipated production in each state on the basis of estimated district-wise average yield and government figures on district-wise acreage.

Results of the survey

A total of 2141 farmer located in 43 districts scattered across six major groundnut growing states of India were interviewed. On the basis of survey,

average yields of the selected districts in a state were estimated. The average yield of the non-surveyed districts in the state was considered to be equal to that of weighted average yield of the surveyed districts in the state. By using the figures of estimated average yield and the corresponding acreage, the anticipated groundnut production was calculated (Production = Yield X Acreage).

Accordingly a production of 7,99,405 t in Andhra Pradesh, 18,65,955 t in Gujarat, 3,10,868 t in Karnataka, 1,75,998 t in Maharashtra, 10,00,655 t in Rajasthan, 3,98,999 t in Tamil Nadu and 6,50,943 t from the remaining states combined together has been estimated. The all India anticipated kharif-2015 production has been arrived at 51,99,397 t by totalling the aforementioned seven figures.

The state wise and all India figures for the estimated production of in-shell groundnut are being here in the tables below.

1. Andhra Pradesh (in-shell groundnut)

District	Acreage (ha)	Farmers Surveyed (no.)	Estimated yield (kg/ha)	Anticipated Production (t)
1. Anantpuramu	462000	212	1000	462000
2. Chittoor	159900	117	1372	219383
3. Kurnool	66921	101	942	63039
4. Cudappah	28620	100	1084	31024
Others	21791	0	-	23959
All AP	739232	530	1081	799405

2. Gujarat (in-shell groundnut)

District	Acreage (ha)	Farmers Surveyed (no.)	Estimated yield (kg/ha)	Anticipated Production (t)
1. Rajkot	238500	70	1283	305876
2. Junagadh	226400	65	1380	312364
3. Dwaraka	159900	45	1235	197445
4. Jamnagar	129200	40	1958	252909
5. Amreli	102100	30	1613	164667
6. Bhavnagar	96800	30	1226	118657
7. GirSomnath	91600	30	1661	152102
8. Porbandar	69900	21	1441	100719
Others	181400		-	261216
All Gujarat	1295800	331	1440	1865955

3. Karnataka (in-shell groundnut)

District	Acreage (ha)	Farmers surveyed (no.)	Estimated yield (kg/ha)	Anticipated Production (t)
1. Chitradurga	79061	85	481	38028
2. Tumkur	65187	65	761	49607
3. Chikkaballapur	18929	27	762	14424
4. Gadag	24487	25	878	21500
5. Bellary	18591	23	939	17457
6. Belagavi	25657	34	693	17780
7. Dharwad	26226	34	1506	39496
8. Haveri	16096	25	1769	28474
9. Davanagere	11878	12	2932	34826
Others	53913	0	-	49276
All Karnataka	340025	330	914	310868

4. Maharashtra (in-shell groundnut)

District	Crop area (ha)	Farmers surveyed (no.)	Estimated yield (kg/ha)	Anticipated production (t)
1. Kolhapur	48212	43	1003	48357
2. Sangli	24081	17	768	18494
3. Satara	29470	30	1252	36896
4. Pune	15364	17	856	13152
5. Nashik	24436	20	789	19280
Others	41393		-	39819
All Maharashtra	182956	127	962	175998

5. Rajasthan (in-shell groundnut)

District	Acreage (ha)	Farmers Surveyed (no.)	Estimated yield (kg/ha)	Anticipated production (t)
1. Bikaner	137139	138	2911	399212
2. Jodhpur	87173	34	2065	180012
3. Jaipur	45159	53	1854	83725
4. Churu	42674	40	2340	99857
5. Sikar	23422	44	1273	29816
6. Dausa	14126	21	1871	26430
7. Nagaur	12589	9	1622	20419
8. Tonk	17357	16	885	15361
9. Chittor	16654	12	677	11275
10. Jaisalmer	13559	51	1596	21640
Others	52127	-	-	112908
All Rajasthan	461979	418	2166	1000655

6. Tamil Nadu (in-shell groundnut)

District	Acreage (ha)	Estimated yield (kg/ha)	Anticipated production (t)
1.Thiruvannamalai	45000	2143	96435
2.Vellore	34000	2226	75684
3.Namakkal	28700	1521	43653
4.Salem	19000	1518	28842
5.Villupuram	18000	2007	36126
6.Erode	14000	1791	25074
7.Krishnagiri	12000	2414	28968
Others	31000	2007	62217
All Tamil Nadu*	201700	1978	398999

***Total number of farmers interviewed = 405**

All India (in-shell groundnut)

Groundnut All India *Kharif* 2015	Acreage (ha)	Farmers surveyed (no.)	Estimated yield (kg/ha)	Anticipated production (tonne)
1. Andhra Pradesh	739232	530	1081	7,99,405
2. Gujarat	1295800	331	1440	18,65,955
3. Karnataka	340025	330	914	3,10,868
4. Maharashtra	182956	127	962	1,75,998
5. Rajasthan	461979	418	2166	10,00,655
6. Tamil Nadu	201700	405	1961	3,95,573
Sub-total	3221692	2141	-	45,48,454
Others	461008	-	-	6,50,943
All India	3682700		1412	51,99,397