

SEA SURVEY REPORT ON KHARIF 2009 GROUNDNUT CROP IN GUJARAT (2-4 October, '09)

Preamble:

The groundnut is one of the major crops in kharif season and Gujarat is the prominent state growing groundnut. In view of this, SEA Groundnut Promotion Council, functioning under the Chairmanship of Shri Bipin Patel decided to undertake groundnut crop survey in major districts growing groundnut in Gujarat, specifically during harvesting to assess the size and quality of the crop.

A 15 members team visited the leading groundnut producing districts viz. Amreli, Rajkot, Junagadh, Porbandar and Jamnagar from 2nd to 4th October, 2009. The team visited various farms in these districts and random samples were drawn from various fields and counting of the pods were studied. Maturity and the quality of the pods were also studied. By applying scientific matrix, the per Hectare Yields were arrived at from each fields and arrived estimate of 13.8 lakh tons for the Gujarat kharif groundnut crop. We reproduce herebelow the detailed report for the information of the members & trade.

1. Methodology:

The following information were collected from each farmers visited and were considered while arriving at the yield and crop size :-

- No. of Bigha on which farmer has sown Groundnut.
- Time of sowing
- How much rain was received by the crop and when.
- Type of irrigation facility used and how many water cycles were provided to the crop and when.
- Weather condition during sowing time and development period. Whether any insect infestation were there in the crop and what measures taken to control insect infestation.
- What is his opinion about his crop yield and surrounding fields.
- Whether there is any increase or decrease in the area sown by him in comparison with preceding year.
- His expectation for the price.

2 Meetings :

Meetings were arranged with Oil Millers, S.E. Units, HPS Manufacturers, Traders, Commission Agents, Brokers, etc. on following centers on following dates. The crop prospects and their expectations of the crop and other details were discussed in the meeting. Deliberation in each meeting was quite interesting and informative.

- Meeting at Gondal in Marketing Yard Office at Noon on 02.10.09. Around 50 persons were present.
- Meeting at Amreli in the evening on 02.10.09. Around 60 persons were present.
- Meeting at Junagadh in the morning on 03.10.09. Around 70/75 persons were present.
- Meeting at Keshod in the afternoon on 03.10.09. Around 70/75 persons were present.
- Meeting at Mangrol in the evening on 03.10.09. Around 35/40 persons were present.

3. Acreage Data :

For arriving at the crop, we have taken the area figures as reported by the Gujarat Government on 07.09.09. However, we found that the area was sometimes less than the reported figures by the Government. We have made our own judgment for the decrease in area and has been factored into yield and crop figures have been arrived on that basis.

District-wise Details:

RAJKOT DISTRICT – Area 3.00 Lac Ha.					
By and large Rajkot district was deficient in rain in comparison with Junagadh, Jamnagar and Porbandar District. There was more deficiency around Morvi side. The water levels and Reservoirs did not increase to the desired level on account of deficit in the rain. The details of this district and basis of arriving at the crop size of this district is as under :-					
Detail	% Area	Area Lac Ha.	Yield Mund/Bigha	Yield Kg/Ha.	Crop Lac MT
Pre-monsoon sowing	20%	0.60	11.00	1375	0.80
Rainy sowing and irrigated	30%	0.90	6.00	750	0.65
Rainy sowing and Non-irrigated	50%	1.50	3.00	375	0.55
TOTAL	100%	3.00	5.25	660	2.00

AMRELI DISTRICT – Area 2.11 Lac Ha.					
This district was very much deficient in rain. Water level in the reservoirs are in deficit. Although this district is deficient in rain, the ¾ Talukas adjoining to Junagadh district are better and hence our estimate of the crop for this district is slightly on the higher side than estimated by other people.					
Detail	% Area	Area Lac Ha.	Yield Mund/Bigha	Yield Kg/Ha.	Crop Lac MT
Pre-monsoon sowing	10%	0.20	10.00	1250	0.25
Rainy sowing and irrigated	15%	0.30	7.00	875	0.25
Rainy sowing but non-irrigated	75%	1.61	2.75	345	0.55
TOTAL	100%	2.11	4.00	500	1.05

JUNAGADH DISTRICT – Area 4.01 Lac Ha.					
Initial rain was very good and excessive in some area. Then there was dry spell. After the dry spell, the rain was received. The water level in the reservoirs were upto the desired level.					
Detail	% Area	Area Lac Ha.	Yield Mund/Bigha	Yield Kg/Ha.	Crop Lac MT
Pre-monsoon sowing	25%	1.00	12.00	1500	1.50
Rainy sowing and irrigated	55%	2.20	8.00	1000	2.20
Rainy sowing but Non-irrigated	20%	0.81	3.00	375	0.30
TOTAL	100%	4.01	8.00	1000	4.00

PORBANDAR DISTRICT – Area 0.86 Lac Ha.					
The initial rain was very good and excessive in some area. Then there was dry spell. After the dry spell, the rain was received. The water level in the reservoirs was upto the desired level. We met one very progressive farmer having large land at Advana. He is sowing only Groundnut for many years. The farmer and his family are educated and they do the farming scientifically. The said farmer had also very good knowledge of the conditions and prospects of the Groundnut crop in his district. Team had long interaction with him and he was very much helpful to us in arriving at the true picture of the crop in his district.					
Detail	% Area	Area Lac Ha.	Yield Mund/Bigha	Yield Kg/Ha.	Crop Lac MT
Pre-monsoon sowing	25%	0.22	15.00	1875	0.41
Rainy sowing and irrigated	50%	0.43	7.00	875	0.38
Rainy sowing but Non-irrigated	25%	0.21	3.00	375	0.08
TOTAL	100%	0.86	8.50	1060	0.87

JAMNAGAR DISTRICT – Area 3.78 Lac Ha.					
The initial rain was very good and excessive rain in some area. Then there was dry spell. After the dry spell, the rain was received. The water level in the reservoirs was upto the desired level.					
Detail	% Area	Area Lac Ha.	Yield Mund/Bigha	Yield Kg/Ha.	Crop Lac MT
Pre-monsoon sowing	15%	0.57	13.00	1625	0.93
Rainy sowing and irrigated	60%	2.26	7.50	940	2.12
Rainy sowing but Non-irrigated	25%	0.95	4.00	500	0.48
TOTAL	100%	3.78	7.50	940	3.53

Bhavnagar, Surendranagar, Kutch and Gujarat (other than Saurashtra)	
Team did not visit these areas, however, information were gathered by contacting various people and arrived at crop estimate on basis of these informations. The general observations for these areas are as under :-	
Bhavnagar	This district is adjoining to Amreli district. It is deficient in rain and we have estimated slightly lesser yield than Amreli district.
Surendranagar	The area of this district is very small. It has only 21,000 Hectares. Whatever Groundnut is grown, it is by Rain-fed water as well as by irrigation water. Hence the yields are not as bad as Bhavnagar or Amreli districts.
Kutch	Kutch has good irrigation facility. Hence the district has sufficient facility for irrigation and that is why prospects for yield are better.
Gujarat (other than Saurashtra)	This area has also better irrigation facility. The Groundnut crop is being sown since last few years only and that is why also the yields in this area are better.

5. GENERAL OBSERVATION :

- This year, oil content in Kernel is more by 1% to 1.50% in comparison with previous year.
- Kernel size is bigger than previous year.
- 90% of the crop is not yet harvested. Hence if there is rain in next few days, it may be beneficial to the crop and yield.

6. Gujarat Groundnut Production and Available for Crushing:

If Groundnut in-shell crop is 13.80 Lac MT, then marketable surplus available for crushing and production of Groundnut Oil may be as under:

1. Groundnut crop in-shell	13.80 Lakh tonnes
2. Equivalent to kernel @ 70%	9.65 Lakh tonnes
3. Less: Kernel required for the sowing For normal area of 18.0 lakh Ha @125 kg/hectare	2.25 Lakh tonnes
Less: Estimate of export of HPS Groundnut Out of kharif G.N. Crop	1.00 Lakh tonne
Less: Direct consumption for food	3.50 Lakh tonnes
Total	6.75 Lakh tonnes
4. Total Groundnut Kernel available for Crushing (2-3)	2.90 Lakh tonnes
5. Estimate production of Groundnut Oil out of kharif Groundnut crop in Gujarat @ 40% recovery	1.15 Lakh tonnes

THE SOLVENT EXTRACTORS ASSOCIATION OF INDIA, MUMBAI

SUMMARY

GUJARAT – GROUNDNUT KHARIF CROP 2009

(with comparative for the Year 2008)

District	Lac Ha.		Yield Mund / Bigha		Yield Kg. / Ha.		Crop Lac MT	
	2009	2008	2009	2008	2009	2008	2009	2008
Amreli	2.11	2.54	4.00	6.25	500	785	1.05	2.00
Bhavnagar	0.94	1.03	3.50	7.20	440	900	0.40	0.90
Jamnagar	3.78	3.99	7.50	7.20	940	900	3.55	3.60
Junagadh	4.01	4.13	8.00	10.80	1000	1350	4.00	5.60
Porbander	0.86	0.92	8.50	12.50	1060	1570	0.90	1.50
Rajkot	3.00	3.50	5.25	7.60	660	950	2.00	3.20
Surendranagar	0.21	0.21	5.40	5.40	670	670	0.15	0.15
Sub Total	14.91	16.32	6.50	8.50	810	1040	12.05	16.95
Kutchh	0.66	0.51	9.00	10.80	1125	1350	0.75	0.70
Others	1.01	1.07	8.00	10.80	1000	1350	1.00	1.40
Total	16.58	17.90	6.65	8.51	830	1064	13.80	19.05

1 Mund = 20 Kg. , 1 Ha. = 6.25 Bigha

Survey on : 02,03,04 October'09

Area : Reported by Gujarat Govt. as on 07-09-09.

Date: 6th October 2009