

Weather and Season

During kharif 2013-14 total rainfall received was 908.4 mm which was 15.13 % more than normal (789 mm). Maximum rains were received during July, 2013 to Sep., 2013. There was shortage of irrigation water during April, May and June, 2013 it affected the cane growth during these months.

The higher incidence of early shoot borer (14.61 %) observed during June 2013. The maximum per cent infestation internodes due to mealy bugs (7.59 %) and scales (13.39 %) was observed during Dec. 2013.

Pokkah boeng and grasshy shoot disease incidence was observed in the range of 2.55 to 4.08 % and 2.00 % respectively on sugarcane cultivar Co 86032. No other pest and diseases were observed during the year report.

**Table 1: Weekly weather data for the year 2013 recorded at Agromet Observatory,
Dr. P.D.K.V., Akola**

Met Week	Date	Rainfall (mm)	Temperature (Oc)		RH I %	RH II %
			Max	Min		
1	2	3	4	5	6	7
1	1-7 Jan.13	8.00	29.3	13.0	78	29
2	8-14	0.00	28.0	9.1	68	16
3	15-21	0.00	30.8	13.0	68	28
4	22-28	19.5	27.2	14.2	78	37
5	29-4 Feb.	0.00	30.1	14.9	62	22
6	5-11	0.7	31.5	17.3	72	34
7	12-18	3.5	31.0	16.0	73	27
8	19-25	2.7	31.6	14.4	69	24
9	26-4 Mar.	0.00	34.5	14.6	53	14
10	5-11	0.00	36.6	15.2	40	16
11	12-18	0.00	36.7	20.0	58	28
12	19-25	2.5	37.4	22.3	57	28
13	26-1 Apr.	0.00	39.0	22.8	48	27
14	2-8	0.00	39.7	23.3	33	13
15	9-15	0.00	41.3	26.2	32	14
16	16-22	1.5	38.9	24.5	46	21
17	23-29	0.00	41.0	25.6	43	18
18	30-6 May	0.00	43.9	29.4	28	13
19	7-13	0.00	43.3	29.2	33	13
20	14-20	0.00	43.3	29.9	38	15
21	21-27	0.00	43.6	29.6	45	19
22	28-3 June	0.00	41.4	29.3	54	30
23	4-10	47.3	35.3	24.5	83	47
24	11-17	138.0	31.3	23.7	89	67
25	18-24	31.5	32.6	24.6	86	57
26	25-1 July	50.1	29.2	23.4	91	68
27	2-8	56.0	30.5	23.8	91	65
28	9-15	35.6	30.3	23.5	91	70
29	16-22	48.0	27.4	22.9	94	81
30	23-29	88.4	28.1	22.9	92	78
31	30-5 Aug.	109.0	26.8	22.3	95	89
32	6-12	6.5	29.0	23.1	90	70
33	13-19	7.0	30.4	23.3	88	62
34	20-26	47.9	25.1	21.8	95	89
35	27-2 Sept.	4.5	30.2	22.8	85	53
36	3-9	2.0	32.2	22.6	83	47
37	10-16	44.7	34.2	23.1	86	46
38	17-23	104.3	30.2	22.8	92	69
39	24-30	0.9	31.9	22.8	81	46
40	1-7 Oct.	68.4	31.5	23.1	92	62
41	8-14	15.4	31.4	22.3	90	53
42	15-21	1.0	33.5	20.4	82	37
43	22-28	1.5	31.3	20.3	88	49
44	29-4 Nov.	0.00	32.7	15.9	85	29
45	5-11	0.00	31.6	15.6	85	30
46	12-18	0.00	29.5	13.4	72	26
47	19-25	0.00	31.0	14.5	82	30
48	26-2 Dec.	0.00	30.4	16.3	78	35
49	3-9	0.00	29.6	12.5	81	23
50	10-16	0.00	28.9	8.4	82	17
51	17-23	0.00	29.5	9.8	84	21
52	24-31	0.00	28.8	13.6	84	31

AGRONOMY AND SOIL SCIENCE

Crop Management in Sugarcane Research Programme of Agronomy Conducted during 2013-14

During the season of 2012-13 the total rainfall received was 701.1 mm which was 11.14 % less than normal (789 mm). There was shortage of irrigation water. The sources of irrigation water were well and lift irrigation system from irrigation projects. Due to less rainfall than normal the water table of the area was gone down. The project dam was not filled up to its full capacity. Whatever water was available in dam was reserved for drinking purpose by the District Authority. In view of the above the planting of below listed agronomic experiments for the year 2013-14 could not be under taken

- 1) **AS-42** : Agronomic evaluation of promising sugarcane varieties.
- 2) **AS-64** : Response of Sugarcane crop to different plant nutrients in varied agro-ecological situations.
- 3) **AS-66** : Priming of cane node for accelerating germination

Part I

Technical Programme for the Year 2014-15 (Approved by AICRP (Sugarcane))

Agronomy

1. **AS-42** : Agronomic evaluation of promising sugarcane varieties.
2. **AS-64** : Response of Sugarcane crop to different plant nutrients in varied agro-ecological situations.
3. **AS-66** : Priming of cane node for accelerating germination
4. **AS-68** : Impact of integrated application of organics and inorganics in improving soil health and sugarcane productivity.

Part II

On going and new Research Programme to be under taken during 2014-2015

Agronomy

1. **AS-42** : Agronomic evaluation of promising sugarcane varieties. .**
2. **AS-64** : Response of Sugarcane crop to different plant nutrients in varied agro-ecological situations. **
3. **AS-66** : Priming of cane node for accelerating germination**
4. **AS-68** : Impact of integrated application of organics and inorganics in improving soil health and sugarcane productivity.

Note : ** Due shortage of water for irrigation, these experiments could not be conducted during 2012-13 and 2013-14, and not planned during 2014-15 as one year data is not sufficient for conducting the results (At Workshop).

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**A REPORT
OF
THE RESEARCH WORK DONE
ON**

SUGARCANE

DURING 2013-14

Submitted to

**ALL INDIA COORDINATED RESEARCH
PROJECT ON SUGARCANE**



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