

**F.NO. 3-1/2009-NCFC – E&S  
GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE  
DEPARTMENT OF AGRICULTURE & COOPERATION  
(NATIONAL CROP FORECASTING CENTRE)**

Room No. 344-A, Krishi Bhawan  
New Delhi, Dated: 17<sup>th</sup> December, 2009

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
11.12.2009.**

*Summary observations of the Group on Agenda Item*

- *In the Post-Monsoon season, cumulative rainfall received for the country as a whole during the period 1<sup>st</sup> October to 09<sup>th</sup> December, 2009 was 125.6 mm which is 11% above the L.P.A.*
- *In South Peninsula, rainfall during the above period was 5% above the LPA.*
- *Actual mean maximum temperature anomaly ranged between 3<sup>o</sup>C and above over some parts of Jammu & Kashmir, Himachal Pradesh, 1 to 3<sup>o</sup>C over most parts of Himachal Pradesh, West Rajasthan, Nagaland, Manipur, Mizoram, Orissa, Coastal Andhra Pradesh, Kerala, Tamil Nadu, Andaman & Nicobar Islands some parts of Jammu & Kashmir, East Rajasthan, Bihar, Jharkhand, Assam & Meghalaya, Gujarat, Saurashtra & Kutch, Interior Karnataka, Telangana, Rayalseema, Lakshadweep Islands, -3 to -1<sup>o</sup>C over some parts of Uttarakhand, Uttar Pradesh, Jharkhand, West Bengal, Sikkim, Chhattisgarh, West Madhya Pradesh, North Madhya Maharashtra, , -1 to 1<sup>o</sup>C over remaining parts of the country.*
- *Minimum temperature anomaly ranged between 4<sup>o</sup>C and over some parts of West Rajasthan, 2 to 4<sup>o</sup>C over most parts West Rajasthan, Gujarat, Arunachal Pradesh, Assam, Nagaland, Manipur, Mizoram, Tripura, Andaman & Nicobar Islands, some parts of Punjab, Haryana, West Uttar Pradesh, Madhya Pradesh, Rayalseema, -2 to 0<sup>o</sup>C over most parts of Jammu & Kashmir, Jharkhand, Orissa, some parts of Punjab, Chhattisgarh, Madhya Maharashtra, Marathwada, Interior Karnataka, Andhra Pradesh, , 0 to 2<sup>o</sup>C over remaining parts of the country.*
- *In 81 important water reservoirs monitored by CWC in different parts of the country, total live storage has decreased from 87.30 BCM on 03.12.2009 to 86.22 BCM on 10.12.2009.*
- *Area sown reported till 11.12.09 under Coarse Cereals, Pulses and Oilseeds was 92%, 94% and 83% of the normal area respectively.*
- *As per latest information available on sowing of crops, around 80% of the normal area under rabi crops have been sown upto 11.12.09, area sown under all rabi crops taken together has been reported to be 468.60 lakh hectares at All India level as compared to 472.40 lakh hectares in the corresponding period of 2008.*

- *Area reported was higher by 1.3 lakh ha. under Wheat and Rice each, 2.1 lakh ha. under Gram and 1.6 lakh ha. under Lentil. Area coverage is lower by 4.4 lakh ha. under Jowar, 2.4 lakh ha. under Rapeseed & Mustard and 2.4 lakh ha. under Sunflower .*
- *The incidence of pests & diseases generally remained below Economic Threshold Level (ETL) for all crops.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the week ending 28.11.2009 increased to 13.90% from the previous week's level of 12.53%. The inflation rate was 11.57% during the corresponding period of last year.*
- *Among the foodgrains, inflation for Wheat has increased to 12.60% from the previous week's level of 11.97%, Pulses to 41.96% from the previous week's level of 37.83%. Inflation for Rice has decreased to 11.75% from the previous week's level of 12.33% and Cereals to 12.76% from the previous week's level of 13.18%,*
- *The inflation for non-food items increased to 3.31% from the previous week's level of 2.22% and for the food items to 19.05% from the previous week's level of 17.47%.*
- *All-India progressive procurement of Rice as on 11.12.2009 was 132.39 lakh tonnes which is higher than the procurement of 127.46 lakh tonnes upto the corresponding period of last year.*

## Salient aspects of discussions / presentations in the meeting

### **Rainfall & Temperature (As reported by India Meteorological Department, (IMD))**

#### Post-Monsoon Season Rainfall (October - December) during the week ending on 02<sup>nd</sup> December, 2009

- **Scattered to fairly widespread rainfall** occurred over Lakshadweep during 1<sup>st</sup> half of the week and over Andaman & Nicobar Island during 2<sup>nd</sup> half of the week and over Tamil Nadu on 3<sup>rd</sup> & 4<sup>th</sup> December, 09.
- **Isolated to scattered rainfall** occurred over Kerala and Andaman & Nicobar Island during 1<sup>st</sup> half of the week
- **Isolated rainfall occurred** over South Interior Karnataka, Tamil Nadu on a few days of the week and over Arunachal Pradesh, Assam & Meghalaya, Himachal Pradesh, Coastal Andhra Pradesh and Coastal Karnataka on one or two days of the week.
- Mainly **dry weather** prevailed over the remaining parts of the country during the week.
- Out of 36 meteorological sub-divisions, **rainfall during the week** was excess / normal in 05 met sub-divisions, deficient / scanty in 08 met sub-divisions and no rain in 23 met sub-divisions.
- Out of 36 meteorological sub-divisions, **cumulative rainfall (1<sup>st</sup> October to 09<sup>th</sup> December, 2009)** was in excess / normal in 24 met sub-divisions and deficient / scanty in 12 met sub-divisions.

**Table-1: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (09.12.09)				Cumulative (01.10.09 to 09.12.09)			
	(in mm)		Devi. (%)	Cat.	(in mm)		Devia- tion (%)	Cate- gory
	Actual	Normal			Actual	Normal		
<b>North-West India</b>	<b>0.1</b>	<b>2.2</b>	<b>-96</b>	<b>S</b>	<b>45.7</b>	<b>43.8</b>	<b>4</b>	<b>N</b>
<b>Central India</b>	<b>0.0</b>	<b>1.1</b>	<b>-99</b>	<b>S</b>	<b>115.4</b>	<b>75.8</b>	<b>52</b>	<b>E</b>
<b>South Peninsular India</b>	<b>6.2</b>	<b>12.1</b>	<b>-48</b>	<b>D</b>	<b>265.3</b>	<b>252.0</b>	<b>5</b>	<b>N</b>
<b>North-East India</b>	<b>1.7</b>	<b>1.5</b>	<b>10</b>	<b>N</b>	<b>128.6</b>	<b>152.1</b>	<b>-15</b>	<b>N</b>
<b>Country as a whole</b>	<b>1.5</b>	<b>3.6</b>	<b>-58</b>	<b>D</b>	<b>125.6</b>	<b>112.8</b>	<b>11</b>	<b>N</b>

E: Excess, N: Normal, D: Deficient, S: Scanty, NR: No Rain.

Source: India Meteorological Department, New Delhi

## Temperature

### Minimum Temperature

- Appreciably above normal to markedly above normal over East Rajasthan during the week and over West Rajasthan during 1<sup>st</sup> half of the week and over Madhya Pradesh during 2<sup>nd</sup> half of the week.
- Above normal to appreciably above normal over Assam & Meghalaya, Nagaland Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim and Madhya Maharashtra on most days and over Gujarat Region, Telangana on many days of the week and over Andaman & Nicobar Island, Arunachal Pradesh, Jharkhand, Gangetic West Bengal, West Uttar Pradesh, Haryana & Chandigarh, Jammu & Kashmir, Saurashtra & Kutch, Vidarbha, Rayalaseema, Tamil Nadu and Coastal & South Interior Karnataka on a few days of the week.
- Below normal over Orissa, Jharkhand and South Interior Karnataka on a few days of the week and over Haryana & Chandigarh, Punjab, North Interior Karnataka on one day of the week.
- Minimum temperatures were near normal over the remaining parts of the country.

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttaranchal, Himachal Pradesh, and Jammu and Kashmir.  
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra and Gujarat

South Peninsula - Andhra Pradesh, Karnataka, Tamil Nadu & Pondicherry, Kerala and Lakshadweep.

North-east India - Bihar, Jharkhand, Orissa, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, and Andaman and Nicobar Islands.

## ***Weather Outlook / Forecast for the period 10<sup>th</sup> - 16<sup>th</sup> December, 2009 by IMD***

### **Outlook for the Week Ending 16<sup>th</sup> December, 2009**

- *Isolated to scattered rainfall is likely over extreme south peninsular India during 1<sup>st</sup> half of the week.*
- *Scattered to fairly widespread rainfall is likely over extreme south peninsular India during 2<sup>nd</sup> half of the week.*

### **Zone-wise Weather Forecast:**

#### ***North-West India (J&K, HP, Uttaranchal, Punjab, Haryana, Delhi, West UP)***

- *Isolated rain/thundershowers over Himachal Pradesh and Jammu & Kashmir.*
- *Rain/thundershowers at a few places over Jammu & Kashmir.*
- *Mainly dry weather over the rest region.*

#### ***East India (East UP, Bihar, Jharkhand, West Bengal & Sikkim, Orissa)***

- *Isolated rain/thundershowers over Uttarakhand.*
- *Mainly dry weather over the rest region.*

#### ***North-East India (Arunachal Pradesh, NMM&T, Assam & Meghalaya)***

- *Isolated rain/thundershowers over Arunachal Pradesh.*
- *Mainly dry weather over the rest region.*

#### ***South India (Tamil Nadu, AP, Kerala, Karnataka, Andaman & Nicobar Islands, Lakshadweep)***

- *Isolated rain/thundershowers over Tamil Nadu & Pondicherry, Coastal & South Interior Karnataka, Kerala, Lakshadweep and Andamna & Nicobar Islands.*
- *Mainly dry weather over the rest region.*

#### ***West India (Maharashtra, Other than Vidarbha, Gujarat, Rajasthan)***

- *Isolated rain/thundershowers over Coastal Andhra Pradesh.*
- *Mainly dry weather over the rest region.*

#### ***Central India (MP, Chhattisgarh, Vidarbha)***

- *Mainly dry weather over the region.*

## Reservoir Status (For the week ending on 10.12.2009)

- The **Central Water Commission** monitors the live storage of **81** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **151.77** billion cubic meters (BCM), which is about 67% of total reservoir capacity in the country.
- Water stock in 81 major reservoirs **decreased** to 86.22 BCM from the previous week's level of 87.30 BCM. Current storage is less than the last year's position of 90.15 BCM and the average of last 10 year's storage of 85.63 BCM.

**Table – 3: For 81 major reservoirs of the country**

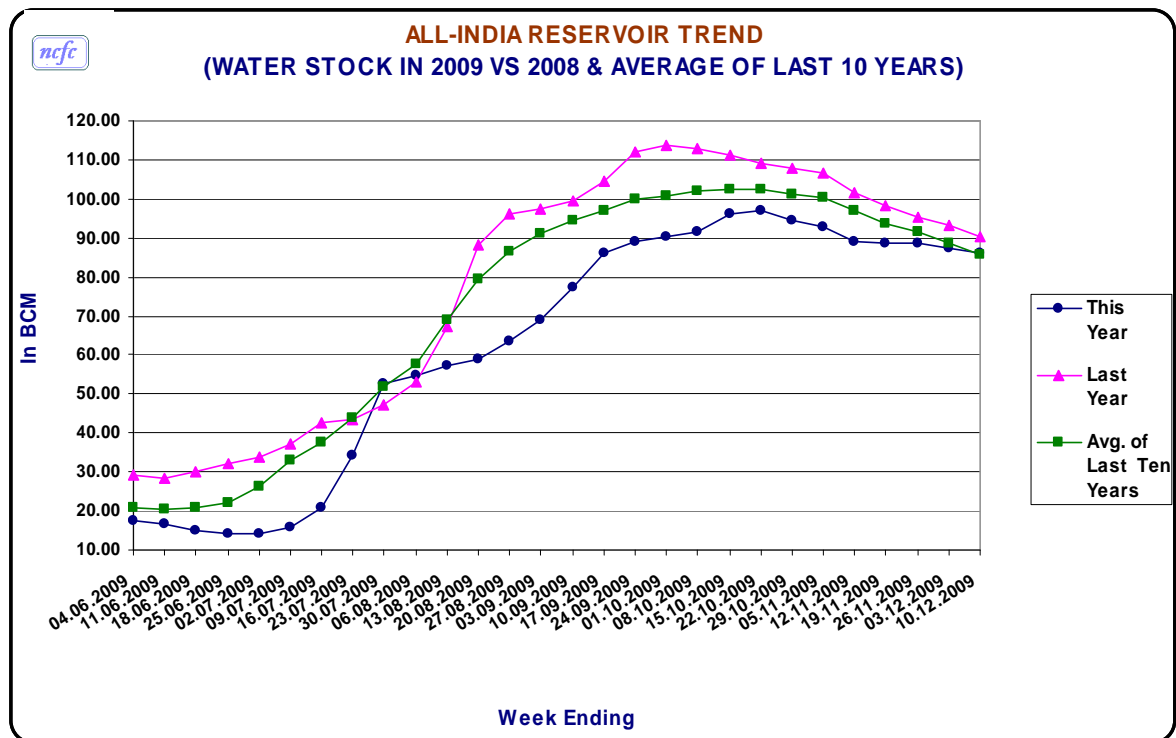
Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	57	96	101
Last Week	58	93	99

The percentage to live capacity at FRL was 59% on 10/12/2008, 66% on 10/12/2007, 76% on 07/12/2006 and 75% on 07/12/2005 .

\* *Live storage as % to Full Reservoir Level (FRL) of 151.77 Billion Cub. Mts.(BCM)*

Source: CWC

- There were 49 reservoirs having storage more than 80%, 17 reservoirs having storage between 50% to 80% of Normal Storage, 10 reservoirs having storage between 30% to 50% of Normal Storage and 4 reservoirs having storage below 30% of normal storage.
- There was only one reservoir namely Sriramsagar (AP) having no live storage.



Source: Central Water Commission

\* *The State wise details (reservoir position) are given in the annex IV*

## ***Fertilizer Position:***

***Table – 4: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP and MOP during November, 2009***

*(in '000 Tonnes)*

<b><i>Availability / Sale / Closing Stock</i></b>	<b><i>Urea</i></b>	<b><i>DAP</i></b>	<b><i>MOP</i></b>	<b><i>Complex</i></b>
<b><i>Requirement for November, 2009</i></b>	<b><i>2970</i></b>	<b><i>1581</i></b>	<b><i>463</i></b>	<b><i>927</i></b>
<b><i>Availability during 1<sup>st</sup> to 30<sup>th</sup> November, 2009</i></b>	<b><i>3025</i></b>	<b><i>1363</i></b>	<b><i>638</i></b>	<b><i>989</i></b>
<b><i>Sales during 1<sup>st</sup> to 30<sup>th</sup> November, 2009</i></b>	<b><i>2156</i></b>	<b><i>1035</i></b>	<b><i>381</i></b>	<b><i>655</i></b>
<b><i>Closing Stock as on 30.11.2009</i></b>	<b><i>869</i></b>	<b><i>327</i></b>	<b><i>257</i></b>	<b><i>334</i></b>
<b><i>Requirement for December, 2009</i></b>	<b><i>3425</i></b>	<b><i>801</i></b>	<b><i>372</i></b>	<b><i>712</i></b>

**Source: Fertilizer Division (DAC) / Deptt. of Fertilizer**

## **Pest & Diseases:**

- The incidence of pest & diseases generally remained below Threshold Level for most of the crops.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

**All India Crop Situation - Rabi (2009-10) as on 11-12-2009**

Crop Name	Normal Area	Area sown reported (In lakh hectares)			Change vis-à-vis prev. year		Changes in major States (abs. %)
		This Year	% of Normal	Last Year	Absolute	Percentage	
		<b>Wheat</b>	270.99	217.28	80.2	216.02	
<b>Rice</b>	39.80	3.36	8.4	2.11	1.3	59.2	AP (+1.4, +95.8), TN (-0.2, -36.4)
<b>Jowar</b>	47.53	43.47	91.5	47.91	-4.4	-9.3	AP (+0.2, +13.5), Kar (-0.7, -5.8), Maha (-4.0, -12.3)
<b>Maize</b>	8.70	7.30	83.9	7.06	0.2	3.4	AP (-0.5, -32.7), Bih (+0.5, +24.2), TN (+0.3, +20.9)
<b>Barley</b>	6.30	6.23	98.9	5.80	0.4	7.4	MP (+0.1, +14.8), UP (+0.4, +25.5)
<b>Total Coarse Cereals</b>	62.54	57.29	91.6	61.08	-3.8	-6.2	AP (-0.3, -9.1), Bih (+0.5, +22.9), Kar (-0.8, -6.5), Maha (-4.0, -12.1), TN (+0.3, +8.7), UP (+0.5, +27.4)
<b>Total Cereals</b>	373.33	277.93	74.4	279.21	-1.3	-0.5	
<b>Gram</b>	71.45	73.12	102.3	71.07	2.1	2.9	AP (-0.2, -3.2), Chhat (-0.7, -36.7), Guj (-0.8, -37.4), Kar (+2.7, +33.3), MP (+3.9, +14.4), Maha (-0.2, -2.8), Raj (-2.7, -37.1)
<b>Lentil</b>	14.30	15.29	106.9	13.70	1.6	11.6	MP (+1.1, +20.8), UP (+0.5, +7.5)
<b>Peas</b>	7.32	6.78	92.6	7.65	-0.9	-11.5	MP (+0.1, +5.3), UP (-1.0, -21.8)
<b>Kulthi(Horse Gram)</b>	2.83	4.03	142.4	3.80	0.2	6.0	Chhat (-0.1, -37.4), Kar (-0.1, -7.7), TN (+0.3, +1251.9)
<b>Urad</b>	7.16	2.79	39.0	3.11	-0.3	-10.3	TN (-0.3, -49.6)
<b>Moong</b>	6.50	1.58	24.3	1.41	0.2	12.0	AP (+0.1, +28.0), Ori (+0.3, +34.5), TN (-0.1, -47.0)
<b>Lathyrus</b>	6.41	3.43	53.5	4.21	-0.8	-18.6	Chhat (-0.8, -20.5)
<b>Others</b>	3.22	4.88	151.5	4.42	0.5	10.4	
<b>Total Pulses</b>	119.19	111.90	93.9	109.39	2.5	2.3	AP (+0.9, +12.0), Chhat (-1.8, -25.8), Kar (+2.6, +27.6), MP (+5.1, +14.3), Maha(-0.3, -2.9), Ori (+0.5, +9.7), Raj (-2.8, -36.9), TN (-0.7, -34.8), UP (-0.4, -2.0)
<b>Total Foodgrains</b>	492.52	389.83	79.2	388.60	1.2	0.3	
<b>Rapeseed &amp; Mustard</b>	65.27	60.85	93.2	63.29	-2.4	-3.9	Ass (-0.8, -33.3), Chhat (+0.3, +33.0), Guj (-0.9, -29.0), Har (-1.0, -15.5), MP (+1.3, +16.6), Pun (+0.2, +65.7), Raj (-5.1, -18.4), UP (+4.3, +51.4), WB (-0.3, -5.7)
<b>Groundnut</b>	8.91	3.36	37.7	3.53	-0.2	-4.8	Ori (+0.1, +19.7), TN (-0.4, -47.7)
<b>Safflower</b>	3.59	2.55	71.1	2.64	-0.1	-3.3	AP (+0.1, +72.7), Maha (-0.1, -6.1)
<b>Sunflower</b>	13.11	6.78	51.7	9.19	-2.4	-26.2	AP (-0.9, -30.5), Kar (-1.5, -29.2), Maha (-0.1, -6.3)
<b>Sesamum</b>	2.60	0.37	14.4	0.65	-0.3	-42.5	TN (-0.3, -100.0)
<b>Linseed</b>	4.53	3.72	82.1	3.67	0.1	1.4	Chhat (-0.1, -19.7), MP (+0.4, +25.2), Maha(-0.1, -22.9)
<b>Others</b>	0.53	1.14	214.9	0.83	0.3	37.2	
<b>Total Oilseed (Nine)</b>	95.42	78.77	82.6	83.80	-5.0	-6.0	AP (-0.6, -11.6), Ass (-0.8, -30.7), Guj (-0.9, -29.6), Har (-1.0, -15.5), Kar (-1.5, -25.04), MP (+1.6, +17.9), Maha (-0.3, -7.2), Ori (+0.7, +39.5), Pun (+0.3, +89.6), Raj (-5.1, -18.3), TN (-1.0, -64.9), UP (+4.3, +49.1), WB (-0.3, -7.1)
<b>All- Crops</b>	587.94	468.60	79.7	472.40	-3.8	-0.8	

Source: Crops & TMOP Divisions, DAC

## Procurement:

**Table – 5: Progressive procurement of Rice as on 11.12.2009 (lakh tonnes)**

State	Total procurement in marketing season 2008-09 (Oct. – Sept.)	Progressive Procurement as on 11.12.2009	
		In Marketing season 2009-2010	In Marketing season 2008-2009
Andhra Pradesh	89.80	3.81	7.77
Chhattisgarh	28.48	6.98	6.72
Haryana	14.25	17.96	13.31
Kerala	2.37	1.17	0.96
Maharashtra	2.61	0.30	0.19
Orissa	27.90	1.05	3.26
Punjab	85.53	92.50	80.96
Tamil Nadu	11.99	0.23	1.89
Uttar Pradesh	36.87	7.05	9.44
Uttaranchal	3.49	0.87	0.80
West Bengal	16.67	0.17	1.53
All-India	336.04	132.39	127.46