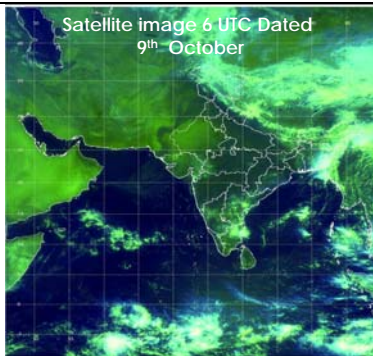




National Agromet Advisory Bulletin

Thursday, 8th October, 2009 (For the period 8th to 12th October, 2009)



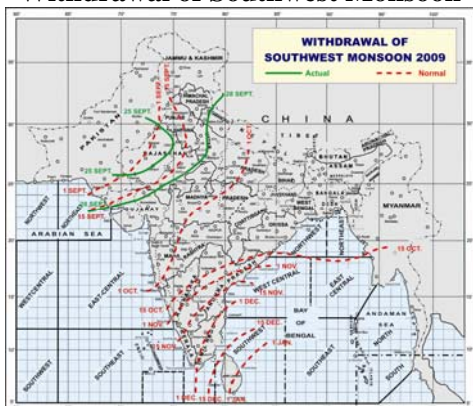
Rainfall Forecast valid upto 1430 hours IST of 11th October, 2009

- **Many Places:** West Bengal, Sikkim, Coastal Orissa, Assam, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, Andaman & Nicobar Islands,
- **Few Places:** Bihar, Jharkhand, Interior Orissa.
- **Isolated Places:** Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Andhra Pradesh, Coastal Karnataka, Konkan & Goa, Chhattisgarh.
- **Mainly dry Weather:** Uttar Pradesh, New Delhi, Haryana, Punjab, Rajasthan, Tamil Nadu, Interior Karnataka, Kerala, Lakshadweep, Madhya Maharashtra, Marathwada, Gujarat, Saurashtra & Kutch, Vidarbha and Madhya Pradesh.

Warning (for next 48 hours)

- Heavy to very heavy rainfall is likely at a few places over northeastern States during next 48 hours.
- Isolated heavy to very heavy rainfall is likely over Sub-Himalayan West Bengal & Sikkim during next 24 hours.

Withdrawal of Southwest Monsoon



Like last two years, this year also there was delay in the withdrawal of southwest monsoon due to rainfall activity over north India in associated with the mid latitude westerly activities. The withdrawal of SW Monsoon from west Rajasthan started only on 25th September (a delay of more than 3 weeks). The normal date of withdrawal to start from extreme western parts of Rajasthan is 1st September. Subsequently, it withdrew from most parts of the northwestern states and from the northern parts of Gujarat on 28th September.

Salient Advisories

- During last week severe flood situation was reported in Kurnool, Guntur, Cuddapah, Khammam, Guntur and Mehboobnagar districts in Andhra Pradesh, Bijapur, Bagalkot, Raichur, Bellary, Gulbarga, Koppal, Gadag, Bidar and Belgaum districts in Karnataka, Sindhudurg, Ratnagiri, Solapur, Kolhapur, Sangli and Ahmednagar districts in Maharashtra and crops like chilli, cotton, rice, maize, groundnut, jowar and tur have been damaged to great extent. Farmers are advised to arrange for drainage facilities and provide mechanical support to the lodged crops.
- As rain/thundershowers is likely at many places along with heavy rainfall over West Bengal, Sikkim, Coastal Orissa, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura, postpone irrigation, intercultural operations and application of fertilizers and pesticides to the standing crops. Provide adequate drainage facilities in Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim to avoid water logging due to heavy rainfall.
- Farmers are advised not to apply irrigation in Uttar Pradesh, Uttarakhand, Madhya Pradesh, Gujarat region, Maharashtra, Orissa and Kerala as there was sufficient rainfall in these States during last week.
- As there was no significant rain in Saurashtra & Kutch, Rajasthan, Bihar, Jharkhand, Jammu & Kashmir, Himachal Pradesh, Tamil Nadu, Chhattisgarh, Punjab, Haryana and Rajasthan during last week and no significant rain is likely to occur for next five days, farmers are advised to apply need based irrigation to the standing crops.

Advisories for rabi sowing

- Farmers are advised to undertake field preparation and sowing of *rabi* crops like sorghum, gram, cowpea and maize in Karnataka and redgram, rajmah, cowpea and niger in Andhra Pradesh after receding of water in flood affected areas.
- Prepare the land and undertake sowing of berseem and raya in Punjab and Haryana.
- As the weather is likely to be favourable for sowing of rapeseed and mustard, undertake land preparation and sowing in Bihar, West Bengal and Interior Orissa.

Advisories for pest and disease

- As the weather is relatively warm and humid and most of the crops are in vegetative/flowering/grain formation stages, there are chances of pest and disease incidences in the following regions.
 - Brown plant hopper in rice in Delhi
 - Jassid in cotton in Haryana
 - Scale and mealy bug in sugarcane in Andhra Pradesh
- Farmers are advised to undertake plant protection measures, if required.

Issued by

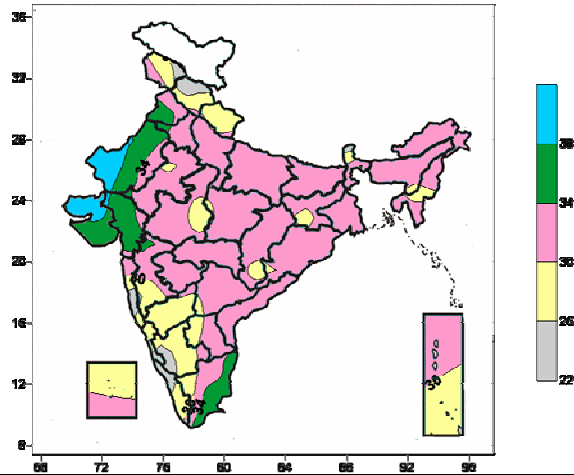
National Agrometeorological Advisory Service Centre,

Agricultural Meteorology Division, India Meteorological Department, Shivajinagar, Pune.

The bulletin is also displayed in the website (<http://www.imdagrimet.org>) of the Division

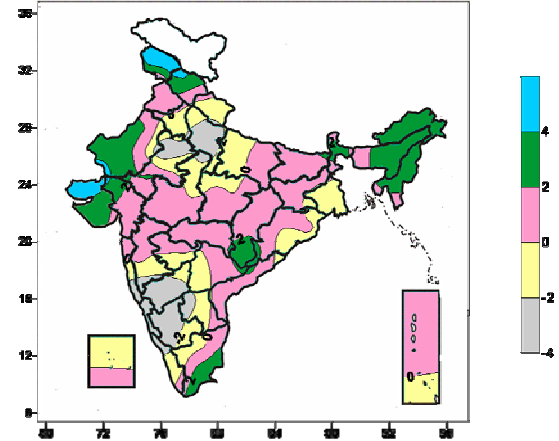
Contour maps for the week ending 07.10.09

Actual Mean Maximum Temperature ($^{\circ}\text{C}$) in India for the week ending 07.10.09



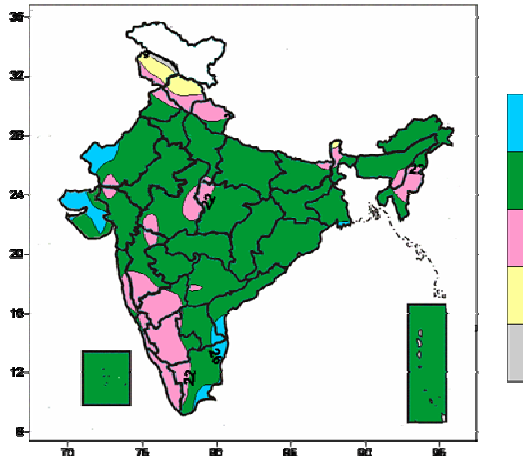
Actual Mean Maximum temperature ranged between 38°C and above over some parts of West Rajasthan, Saurashtra, Gujarat, 34 to 38°C over most parts of Gujarat, Saurashtra & Kutch, some parts of Punjab, Haryana, Rajasthan, Madhya Maharashtra Tamil Nadu, 26 to 30°C over most parts of Uttarakhand, Kerala, North & South Interior Karnataka, some parts of Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Jharkhand, Sub-Himalayan West Bengal, Sikkim, Assam, Manipur, Mizoram, Chattisgarh, Orissa, coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, 22 to 26°C over some parts of Jammu & Kashmir, Himachal Pradesh, Konkan, South Interior & Coastal Karnataka, Kerala, 30 to 34°C over remaining parts of the country.

Maximum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 07.10.09



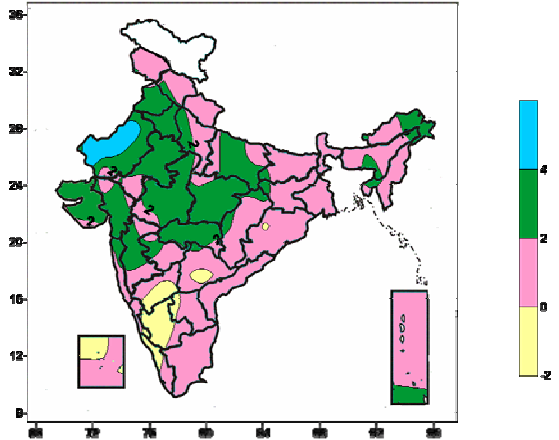
Actual Mean Maximum temperature anomaly ranged between 4°C and above over some parts of Jammu & Kashmir, Himachal Pradesh, West Rajasthan, Gujarat, Saurashtra, 2 to 4°C most parts of West Rajasthan, Sub-Himalayan West Bengal, Assam, Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Kutch, some parts of Jammu & Kashmir, Himachal Pradesh, Bihar, Mizoram, Tripura, Orissa, Chattisgarh, East Rajasthan, Gujarat, Saurashtra, Vidarbha, Coastal Andhra Pradesh, Telengana, Tamil Nadu, -2 to 0°C most parts of Uttarakhand, Haryana, Delhi, Gangetic West Bengal, Lakshdweep Islands, some parts of Uttar Pradesh, Rajasthan, Jharkhand, Orissa, Madhya Pradesh, Konkan, Madhya Maharashtra, Marathwada, Andhra Pradesh, North & South Interior Karnataka, Tamil Nadu, Kerala, Andaman & Nicobar Islands, -4 to -2°C over most parts of West Uttar Pradesh, Karnataka, Goa, some parts of Rajasthan, West Madhya Pradesh, Konkan, Madhya Maharashtra, Kerala, Rayalaseema, 0 to 2°C over remaining parts of the country.

Actual Mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 07.10.09



Actual Mean Minimum Temperature ranged between 26°C and above over most parts of Saurashtra, some parts of West Rajasthan, Kutch, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, 18 to 22°C over most parts of Uttarakhand, Manipur, Karnataka, Kerala, some parts of Jammu & Kashmir, Himachal Pradesh, Punjab, West Rajasthan, Bihar, Sub-Himalayan West Bengal, Sikkim,

Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 07.10.09

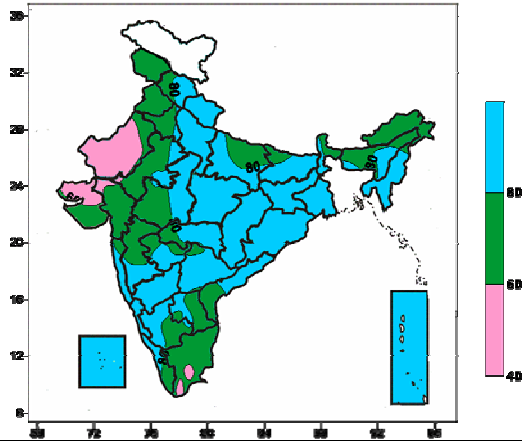


Minimum Temperature anomaly ranged between 4°C and above over some parts of West Rajasthan, 2 to 4°C over most parts of Punjab, Haryana, Delhi, Rajasthan, Madhya Pradesh, Gujarat, Saurashtra & Kutch, Uttar Pradesh, Madhya Maharashtra, Vidarbha, some parts of Himachal Pradesh, Bihar, Jharkhand, Assam, Meghlaya, Arunachal Pradesh, Tripura, Chattisgarh, Konkan & Goa,

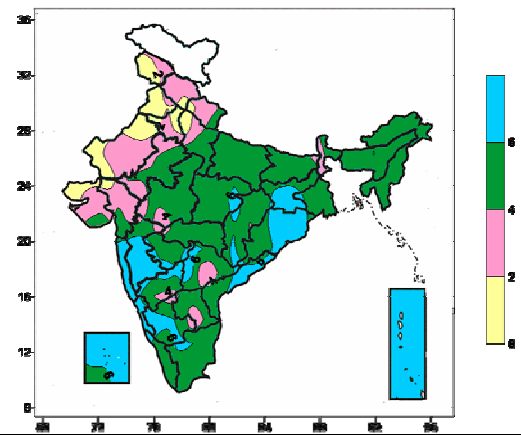
Assam, Nagaland, Mizoram, Konkan & Goa, Madhya Maharashtra, Madhya Pradesh, Telengana, Tamil Nadu, 14 to 18⁰C over some parts of Jammu & Kashmir, Himachal Pradesh, 10 to 14⁰C over some parts Jammu & Kashmir, 22⁰C to 26⁰C over remaining parts of the country.

Marathwada, Telengana, Andaman & Nicobar Islands, -2 to 0⁰C over most parts of South Interior Karnataka, some parts of Orissa, Telengana, Rayalaseema, Kerala, North Interior & Coastal Karnataka, Lakshadweep Islands, 0 to 2⁰C over remaining parts of the Country.

Relative Humidity (%) over India for the week ending 07.10.09



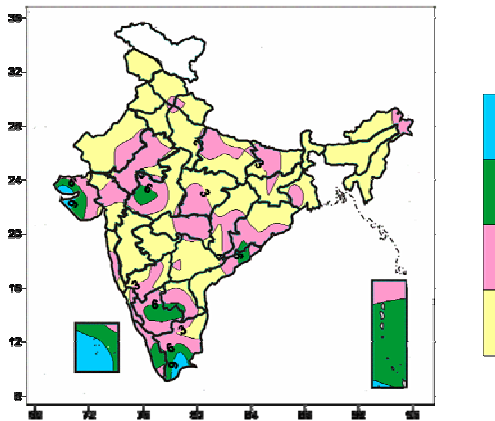
Cloud amount (okta) over India for the week ending 07.10.09



Relative humidity more than 80% over most parts of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Manipur, Mizoram, Tripura, Orissa, Chattisgarh, East Madhya Pradesh, Telengana, North Coastal Andhra Pradesh, Coastal & North Interior Karnataka, Konkan & Goa, Vidarbha, Lakshdweep, Andaman & Nicobar Islands, some parts of Himachal Pradesh, Haryana, East Rajasthan, Sub-Himalayan West Bengal, Sikkim, Assam & Meghalaya, Nagaland, Madhya Maharashtra, Marathwada, West Madhya Pradesh, South Interior Karnataka, Kerala, Rayalaseema, 40 to 60% over most parts of West Rajasthan, Saurashtra, some parts of Gujarat, East Rajasthan, Tamil Nadu, 60 to 80 % over remaining parts of the country.

Cloud amount 6 okta and above over most parts Orissa, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Lakshadweep, Andaman & Nicobar Islands, some parts of Jharkhand, East Madhya Pradesh, Chattisgarh, Coastal Andhra Pradesh, Telengana, Kerala, Tamil Nadu, South & North Interior Karnataka, Marathwada, 2 to 4 okta over most parts of Himachal Pradesh, West Rajasthan, Gujarat, Saurashtra & Kutch, some parts of Jammu & Kashmir, Uttarakhand, Punjab, Haryana, East Rajasthan, Bihar, Sub-Himalayan West Bengal, Sikkim, West Madhya Pradesh, Madhya Maharashtra, Interior Karnataka, Telengana, Rayalaseema, 0 to 2 okta most parts of Punjab, some parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, West Uttar Pradesh, West Rajasthan, Gujarat, Saurashtra, 4 to 6 okta over remaining parts of the country.

Wind speed (knots) over India for the week ending 07.10.09



Wind speed ranged between 9 knots and above over some parts of Saurashtra & Kutch, Tamil Nadu, Lakshdweep, Andaman & Nicobar Islands, 6 to 9 knots over most parts of Andaman & Nicobar Islands, some parts of West Madhya Pradesh, Saurashtra & Kutch, Orissa, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Kerala, South Interior Karnataka, Lakshadweep Islands, 0 to 3 knots over most parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Delhi, Uttar Pradesh, West Rajasthan, Jharkhand, West Bengal, Sikkim, North East India, Telengana, Coastal Andhra Pradesh, Madhya Maharashtra, Marathwada, Madhya Pradesh, some parts of Bihar, Orissa, Chattisgarh, East Rajasthan, Konkan & Goa, Vidarbha, Gujarat, Saurashtra & Kutch, Coastal Karnataka, North Interior Karnataka, Rayalaseema, Tamil Nadu, 3 to 6 knots over remaining parts of the country.

Comparison of weekly rainfall distribution (in % dep.) in different Met. Sub-divisions during past 5 weeks

Sub-division	Cumulative Rainfall for the period									
	10 th September		17 th September		23 rd September		30 th September		7 th October	
	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.
A & N Islands	107.0	-38	85.6	-47	104.6	-64	113	78	99.0	69
Arunachal Pradesh	79.4	-85	114.5	-64	77.7	72	67	-56	71.7	-79
Assam and Meghalaya	80.4	-74	97.6	-61	63.0	30	58	-37	60.9	-59
NMMT	53.2	-31	57.9	-11	48.9	44	48	-21	52.4	44
SH West Bengal & Sikkim	95.4	-45	112.9	-75	78.8	4	75	-70	69.5	43
Gangetic West Bengal	66.1	229	65.2	-80	47.0	-9	69	-49	47.9	53
Orissa	68.8	13	70.1	-89	49.9	-44	45	1	39.8	172
Jharkhand	66.2	180	66.8	-67	44.1	-64	45	-30	36.1	159
Bihar	56.7	46	68.5	-63	45.5	-88	41	-36	35.0	-46
East Uttar Pradesh	49.9	44	68.1	-21	31.8	-86	29	-19	25.2	259
West Uttar Pradesh	40.0	35	49.0	19	23.8	-99	21	-19	20.5	218
Uttarakhand	60.0	68	59.9	33	34.5	-84	30	-24	23.1	313
Haryana, Chandigarh & Delhi	24.3	-35	23.4	405	13.3	-99	18	-18	8.3	-85
Punjab	29.9	-42	21.2	32	14.8	-97	27	-27	12.1	-81
Himachal Pradesh	37.4	84	32.7	142	20.2	-93	30	-29	18.4	-57
J & K	25.6	28	20.5	-74	20.0	-93	22	-21	9.4	-45
West Rajasthan	16.7	-57	8.5	-93	4.7	-100	6	-6	2.1	-100
East Rajasthan	37.6	-20	25.0	-16	13.9	-100	13	-13	6.8	93
West M. P.	58.2	24	45.3	-41	32.0	-100	22	-21	13.2	399
East M. P.	69.3	63	60.7	-30	31.6	-99	21	-18	17.1	219
Gujarat region	52.3	-1	34.4	-99	24.3	-99	28	-28	8.8	218
Saurashtra & Kutch	22.9	-86	18.9	-95	11.7	-100	12	-12	5.3	-43
Konkan and Goa	101.1	115	64.4	-39	67.1	-60	78	-36	42.5	567
Madhya Maharashtra	29.6	122	29.2	2	38.9	-29	42	-10	25.6	265
Marathwada	42.2	101	34.1	-58	39.1	-86	44	-13	24.4	150
Vidarbha	56.6	-18	41.6	-88	37.0	-98	28	-9	21.6	84
Chhattisgarh	70.0	-52	67.3	-89	44.6	-86	33	-18	26.2	-54
Coastal A. P.	34.3	-47	31.1	-21	44.8	-56	43	9	46.5	14
Telangana	42.3	-1	34.7	-77	42.3	-86	39	26	31.0	194
Rayalseema	22.5	-57	26.8	27	42.6	10	34	22	36.2	82
TamilNadu & Pondicherry	19.2	-40	26.6	10	31.1	78	30	-9	34.5	-80
Coastal Karnataka	90.2	183	64.5	-38	66.6	-6	72	67	56.0	317
N. I. Karnataka	24.1	57	29.7	-12	49.2	13	42	51	36.2	405
S. I. Karnataka	21.4	132	26.6	120	45.1	93	37	17	39.4	69
Kerala	58.1	126	51.8	-75	61.3	15	72	-2	59.3	173
Lakshadweep	27.3	150	44.8	-94	45.6	-63	39	-22	35.2	56

The subdivisions like Arunachal Pradesh, Assam & Meghalaya, Bihar, Punjab, Jammu & Kashmir, West Rajasthan, Saurashtra & Kutch and Chattisgarh received scanty / deficient rain in 4 out of last 5 weeks; Andaman & Nicobar Islands, SH West Bengal & Sikkim, Jharkhand, Haryana, Chandigarh & Delhi, Himachal Pradesh, West Madhya Pradesh, Gujarat, Konkan & Goa, Coastal Andhra Pradesh and Lakshadweep received scanty / deficient rain in 3 out of last 5 weeks. Remaining States received normal / excess rain in 2 or more weeks during last 5 weeks.



Zonewise Agromet Advisories

NORTH WEST INDIA [J & K, H. P., UTTARAKHAND, PUNJAB, HARYANA, DELHI, UP]

Himachal Pradesh

- **Realised Rainfall:** The state received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Himachal Pradesh	09.09.09	16.09.09	23.09.09	07.10.09
Bilaspur	37	160	-92	3
Chamba	86	-100	-83	-100
Hamirpur	71	85	-70	-46
Kangra	20	-68	-93	-43
Kinnaur	735	408	-100	-21
Kullu	103	447	-100	-26
Lahaul and Spiti	124	-9	-100	-81
Mandi	-1	217	-85	-64
Shimla	90	590	-97	-40
Sirmaur	93	267	-100	7
Solan	32	477	-92	-43
Una	-14	-41	-78	-7

- **Rainfall Forecast:** Isolated rain/thundershowers likely over the State during next 24 hours and mainly dry weather thereafter.
- **Major Kharif Crops:** Rice, Vegetables
- **Crop Stage:** Maize(silking), vegetables(early vegetative), rice(panicle initiation/flowering)
- **Crop Condition:** Good.
- **Advisory:**
 - Maintain proper depth of standing water in rice.
- **Major Seasonal Crop:** Fruit crops, Flower crops and Vegetables
- **Advisory:**
 - As mainly dry weather is likely to prevail over the State, apply irrigation to the crops.
 - Prepare the field for sowing of early peas, leafy vegetables and raddish as the weather is favourable for sowing.
 - It is optimum time for new plantation of tea plants or filling of gaps with new plants.
 - Complete field preparation and nursery raising of cabbage, cauliflower, knol khol, broccoli, parsley and lettuce. If the nursery of cabbage, cauliflower and broccoli is at 4-6 weeks stage can be planted in the fields directly.
 - It is optimum time for raising the nursery of winter flowers like Calendula, arctotis, dog flowers, sweet pea, dianthus, petunia, stock and flox in fields.
 - Undertake weeding, intercultural operations and top dressing of fertilizers.
 - As weather is favourable for transplanting of lemon grass transplant it immediately if not done earlier.
 - Undertake sowing of radish, turnip and carrot.
 - Farmers are advised to complete the sowing of all leafy vegetable like lettuce and palak.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - red spider mites in carnation, for control spray cypermethrin or nuvacron @0.05%.
 - leaf minor in new growth of citrus. For its control, spray 10 ml Matasystox or Malathion 10 ml in 10 litre of water.

Uttarakhand

- **Realised Rainfall:** The state received excess rainfall except Almora and Haridwar districts, which received deficient rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
3 weeks continuously deficient to no rain					
Almora	189	95	-100	-100	-33

2 weeks continuously deficient to no rain					
Haridwar	0	310	80	-63	-26
Distribution of rainfall for remaining districts of the state for last five weeks					
Chamoli	118	45	-93	-78	165
Champawat	-50	178	-62	-65	2117
Dehradun	-53	54	-74	57	532
Garhwal Pauri	65	-42	-99	-86	-10
Garhwal Tehri	68	33	-100	-100	375
Nainital	12	84	-97	-95	501
Pithoragarh	102	31	-62	-85	536
Rudraprayag	-25	-52	-90	-98	90
Udham Sing Nagar	60	5	-100	-100	281
Uttarkashi	147	-12	-100	-100	30

- **Rainfall Forecast:** Isolated rain/thundershowers likely over the State during next 24 hours and mainly dry weather thereafter.
- **Major Kharif Crops:** Rice, Soyabean, Groundnut, Tur, mung, sesame.
- **Crop Stage:** Rice(grain formation/maturity stage), pulses(pod formation), oilseeds(vegetative/flowering)
- **Crop Condition:** Good
- **Advisory:**
- As there was good rainfall in most of the districts during last week, postpone irrigation to the standing crops. Provide proper drainage in all other standing crops where there was excess rainfall.
 - Maintain proper depth standing water in rice field. Harvest the early sown rice crop.
 - **Major Seasonal Crop with stage:** Sugarcane ratoon (early vegetative), cabbage, garlic, tomato (vegetative), French bean (early vegetative).
- **Crop Condition:** Good
- **Advisory:** Undertake weeding and intercultural operation.
 - Farmers are advised to continue sowing of recommended varieties of vegetable pea like VL Ageti Mater-7, Vivel Mater-10, Pant Subjee Mater-3, Azad Mater-3 and Arkel at high hills and ginger varieties like VL-Garlic or DARL-52.
 - Farmers in valley of 3000 ft may undertake planting of potato with optimum soil moisture. Select high yielding varieties like Kufri Jyoti, Kufri Ashok or Kufri Anand.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - sucking pests in Rajmah, spray a solution of 0.3 ml of 200 SL-Emidachloprid dissolved per litre of water.
- **Animal:** Give balanced feed to milking animals and clean properly their place of sitting in this rainy season.

Punjab

- **Realised Rainfall:** The State received deficient/scanty/no rainfall during last week
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	07.10.09
Punjab				
Amritsar	-30	-85	-100	-100
Bhatinda	-1	15	-100	-100
Faridkot	-38	47	-100	-100
Fatehgarh Saheb	-91	-70	-100	-100
Ferozpur	-88	66	-100	-100
Gurdaspur	-69	-97	-98	-90
Hoshiarpur	-3	-85	-94	-90
Jalandhar	-39	8	-100	-91
Kapurthala	48	65	-100	-100
Ludhiana	-65	39	-100	74
Moga	-89	104	-100	-100
Muktesar	-78	-89	-100	-100
Nawashahar	-34	19	-100	-85

Patiala	-68	334	-100	-42
Ropar	51	212	-65	-100
Sangrur	-26	-37	-100	-100

- **Rainfall Forecast:** Mainly dry weather is likely to prevail over the State.
- **Major Kharif Crops:** Rice, maize, guar, til, urd, bajra, cowpea, cotton
- **Crop Stage:** Rice(flowering/grain formation), pulses(flowering/pod formation), cotton(flowering/fruitletting), soybean(flowering/pod formation), maize(tasselling/silking), toria(early vegetative).
- **Crop Condition:** Rice crop is in satisfactory condition.
- **Advisory:**
 - Undertake weeding, intercultural operations and application of fertilizers.
 - As there was no significant rainfall during last week and mainly dry weather is likely in the State during next five days, apply irrigation to the standing crops.
 - This is the optimum time for sowing of PDG 3 and PDG 4 varieties of gram under rainfed conditions and sowing of raya, autumn potato and African sarson wherever adequate soil moisture is available.
 - In light textured soils sowing of taramira may be started.
- **Major Seasonal Crop with stage:** Sugarcane and Vegetables
- **Advisory:** Undertake weeding, intercultural operations in sugarcane and cotton.
 - This is suitable time for planting of evergreen fruit plants like sweet orange, mandarin, lime, lemon, guava and ber.
 - It is the time for planting of autumn sugarcane. Adopt 90 cm spacing between two rows of sugarcane and sow potato, toria, raya, cabbage and gram as intercrops.
 - Sowing of fodder berseem may be completed in first week of October.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - Jassid and white fly in cotton. Spray with recommended pesticides, if required.
 - bacterial leaf blight of rice has appeared in the farmers field. Farmers are advised to regulate water in the fields to check its further spread.
- **Animal Husbandry:** Feeds to be protected from fungal contamination and wet feeds to be dried and fed. Milch animals tend to come in heat during this season. So animals should be checked in morning and evening for the heat.

Haryana

- **Realised Rainfall:** The State received deficient/scanty/no rainfall during last week
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	07.10.09
Haryana				
Ambala	-17	686	-100	-81
Bhiwani	-82	325	-100	-100
Chandigarh	-50	229	-96	-38
Faridabad	-15	153	-100	-58
Fatehabad	-100	111	-100	**
Gurgaon	38	489	-100	-100
Hissar	-74	435	-100	-100
Jhajar	-82	841	-100	-100
Jind	-94	781	-100	-100
Katihah	-100	3	-100	-100
Karnal	86	719	-100	-100
Kurukshetra	-76	324	-100	-100
Mahendragarh	-84	318	-100	-100
Panchkkula	-81	195	-100	51
Panipat	-84	650	-100	**
Rewari	-96	468	-100	**
Rohtak	-64	330	-100	-100

Sirsa	36	-26	-100	-100
Sonepat	-4	911	-100	-100

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, maize, guar, cotton
- **Crop Stage:** Rice(flowering/grain formation), pulses(flowering/pod formation), bajra (vegetative), toria(early vegetative)
- **Crop Condition:** Satisfactory
- **Advisory:** As there was no significant rainfall during last week and mainly dry weather is likely in the State during next five days, apply irrigation to the standing crops.
- Maintain standing water in rice field.
- Undertake hoeing and weeding in the standing crops.
- Prepare the field and arrange for certified seeds of raya varieties: RH 30, Varuna, RH 8113 and RH 8812 (Luxmi) for sowing.
- Prepare the land and undertake sowing of berseem.
- Sowing of winter sugarcane may be done up to this week.
- **Major Seasonal crop with stage:** Spring sugarcane (early vegetative/vegetative), vegetable crops (vegetative), cotton (flowering/boll formation)
- **Crop Condition:** Good
- **Advisory:**
- As there was no significant rainfall during last week and mainly dry weather is likely in the State during next five days, apply irrigation to the standing crops.
 - Apply top dressing in cotton.
 - Undertake hoeing and weeding and apply the remaining dose of nitrogen fertilizer to the sugarcane.
 - Farmers are advised to undertake weeding and hoeing in cotton and intercultural operations in tomato, onion and chilli.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - jassid in cotton crop, spray the crop with recommended insecticide by the University if there is incidence of jassid.
 - bacterial blight in guar, farmers are advised to spray the crop with 400ml Blitox and 30 grams of Streptocyclin in 200 liters of water per acre.
- **Animal Husbandry:** Farmers are advised to supplement the deficiency of nutrients through concentrates feed and 50 to 100 gram good quality mixture of minerals per day may be given for better animal productivity.

Delhi

- **Realised Rainfall:** The State received scanty rainfall during last week
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	07.10.09
New Delhi	35	288	-100	-84

Rainfall Forecast: mainly dry weather.

- **Major Kharif Crops:** vegetables and rice
- **Crop Stage:** vegetative/grain formation; tillering/panicle initiation (late paddy)
- **Crop Condition: Satisfactory**
 - **Advisory:** In view of clear weather from 8th onwards, harvesting of mature early paddy can be carried out.
 - Irrigation may be given to late paddy.
- **Crop Condition:** Good
 - **Advisory:** Present temperature is congenial for sowing of garden pea.
 - Farmers are advised to start procuring quality seeds of mustard. After ploughing the field planking should be done. Before sowing, treat the seeds with Thiram or Captan @ 2-2.5 g/ kg of seeds.
 - Keeping in view the temperature, seed bed preparation for tomato, snowball cultivar group of cauliflower, cabbage and broccoli crop may be done. Seed should be sown in raised beds after proper

seed treatment. Also sowing of Hill Queen, Japanese White and Pusa Himani cultivar of radish, Crimson Globe cultivar of beetroot and snowball cultivars group of turnip can be done.

- Field sanitization is advised before sowing of *rabi* crop. Bunds, channels, uncultivated fields and field roads should be cleaned, by removing weeds.
- Use of fully decomposed cow dung or compost before sowing of vegetable is advised as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
- **Plant protection:**
 - Present weather conditions are favourable for infection of false smut in paddy. Symptoms include increase in grains size with brown colored fungus inside. Preventive spraying of Blitox 50 @ 500 grams per hectare at 10 days interval (2-3 times) is advised.
 - In present weather conditions, constant monitoring for brown plant hopper in paddy field is advised. Farmers are advised to enter into the middle of the crop field and see mosquito like insect at the basal portion of the plant. If pest population is high spraying of Monocrotophos @ 2 ml per litre of water, pointing the nozzle towards the base of plant is advised.

Uttar Pradesh

- **Realised Rainfall:** Both East Uttar Pradesh and West Uttar Pradesh received good rainfall during last week.
- **Rainfall distribution for last 5 weeks**

East Uttar Pradesh					
State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Ballia	-6	-64	-100	-95	-84
Deoria	64	-57	-99	-100	-97
Gazipur	167	-65	-100	-78	-76
Kushi nagar	-59	-92	-100	-100	-100
Maharajganj	-90	-85	-98	-94	-74
Mau	-18	-61	-100	-100	-85
Distribution of rainfall for remaining districts of the state for last five weeks					
Allahabad	231	-58	-100	-96	129
Ambedkar Nagar	46	-85	-100	-52	522
Azamgarh	134	-59	-100	5	-39
Bahraich	87	-19	-88	-45	451
Balrampur	-16	-19	-100	-78	69
Banda	89	28	-100	-95	328
Barabanki	39	13	-86	-65	868
Basti	25	-59	-100	-80	232
Faizabad	44	-21	-31	65	715
Farrukhabad	125	-61	-100	-100	136
Fatehpur	-9	24	-100	-100	261
Gonda	-37	-53	-100	-24	507
Gorakhpur	-28	-47	-100	-76	21
Hardoi	71	28	-15	-98	159
Jaunpur	74	-59	-97	-20	-3
Kanpur City	-78	82	-100	-100	438
Kanpur Dehat	-26	-26	-100	-80	626
Kheri	123	92	-62	-77	867
Lucknow	154	126	-92	-93	361
Mirzapur	118	-87	-100	-98	135
Pratapgarh	53	-77	-100	-85	705
RaiBareilly	-16	-50	-95	-76	4
Sant Ravidas Nagar	154	-99	-100	35	76
Shrawasti	71	2	-100	2	160
Sidharthnagar	-48	-13	-91	-19	38
Sitapur	35	118	-58	-88	561
Sonbhadra	24	-97	-42	-46	63

Sultanpur	-12	-52	-82	89	489
Unnao	8	171	-78	-100	301
Varanasi	33	-98	-81	-9	-72

West Uttar Pradesh					
State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
3 weeks continuously deficient to no rain					
Baghpat	167	234	-100	-100	-100
Bijnor	7	203	-100	-54	-22
Ghaziabad	-43	-56	-100	-100	-95
Meerut	-85	-6	-100	-100	-100
Muzzaffarnagar	-52	60	-100	-100	-100
Saharanpur	-57	216	-100	-31	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
Agra	22	-18	-100	-100	464
Aligarh	-28	-77	-100	-100	-5
Auraiya	64	-27	-100	-100	127
Badaun	78	-22	-100	-90	167
Bareilly	57	105	-99	-99	283
Bulandsahar	163	-57	-100	-100	81
Etah	66	-84	-100	-100	68
Etawah	52	13	-100	-100	151
Firozabad	-46	-46	-100	-100	277
Hamirpur	31	-5	-100	-100	465
Jalaun	117	-47	-100	-100	407
Jhansi	8	-84	-100	-100	384
Jotirba Phule Nagar	-7	8	-100	-88	418
Lalitpur	8	-23	-100	-100	395
Mahamaya Nagar	-43	-86	-100	-100	175
Mainpuri	105	-45	-100	-100	382
Mathura	-47	91	-100	-100	67
Moradabad	157	28	-100	-78	270
Pilibhit	95	126	-95	-95	423
Rampur	45	43	-100	-100	139
Shahjahanpur	80	138	-78	-100	403

- **Rainfall Forecast:** Mainly dry weather is likely over the State
- **Major Kharif Crops: East UP:** Rice, mung, jowar, bajra.
- **West UP:** Rice, groundnut, urd, mung and vegetables
- **Crop Stage:** Rice(flowering/grain formation), groundnut, urd, mung and vegetables(flowering), maize(tasselling)
- **Crop Condition:**
- **East UP:** Satisfactory
- **West UP:** Satisfactory
- **Advisories:**
 - As there was good rainfall in most of the districts of the State during last week, postpone irrigation to the standing crops. Provide adequate drainage facilities to avoid waterlogging. As there was no significant rainfall in Ballia, Deoria, Gazipur, Maharajganj, Mau, Bijnor districts during last two weeks
 - Undertake weeding, intercultural operations and top dressing.
 - Complete the sowing Barseem at earliest.
 - **Major Seasonal Crop with stage:** Sugarcane (grand growth) and vegetables (vegetative/fruited), mango (fruit setting)
- **Crop Condition:** Good
- **Advisory**
 - Undertake weeding, intercultural operations and application of fertilizers in the standing crops like sugarcane, vegetables and mentha.
 - Complete the sowing of early varieties of potatoes like Kufri Chandramukhi, Kufri Bahar, Kufri Sadabahar, Kufri Ashok.

- **Plant Protection:** Weather conditions are favourable for mild incidences of fruit borer in tomato and brinjal, spray the solution of Carbaryl @ 2 g / litre of water.
- gundhi bug in rice, farmers are advised to take adequate plant protection measures.

J & K

- **Realised Rainfall:** The state received deficient/scanty/no rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Anantnag	146	-94	-99	-99	-30
Doda	118	-92	-88	-100	-39
Kathua	-61	-100	-81	-100	-100
Ladakh(Leh)	-92	-100	-92	-100	-100
Pulwama	47	-100	-100	-100	-58
Srinagar	85	-85	-100	-100	-73
Udhampur	-25	-60	-97	-76	-53
3 weeks continuously deficient to no rain					
North Baramula	39	55	-100	-100	-70
Distribution of rainfall for remaining districts of the state for last five weeks					
Jammu	-46	-100	-100	-100	-12
Kupwara	449	-4	-100	-100	41

- **Rainfall Forecast:** Rain/thundershowers at isolated places.
- **Major Kharif Crops:** Rice, maize, vegetables
- **Crop Stage:** flowering/grain formation (rice); pod maturity (pulses); maturity/harvesting (maize)
- **Crop Condition:** Crop condition improved due to recent rainfall.
- **Advisory:**
 - Take up timely harvest of blackgram and greengram.
 - Irrigate the late transplanted rice crop if crop is at flowering stage.
 - Undertake harvesting of apple.
- **Major Seasonal Crop with stage:** Vegetables (vegetative/flowering/fruitlet)
- **Crop Condition:** Good.
- **Advisory:** Conserve moisture by taking up 2 to 3 ploughings followed by planking to maintain sufficient moisture for rabi cropping.
- Farmers in Doda district are advised to undertake transplanting of knoll khol variety White Vienna during these days. Carrot variety Nantes may be sown in the higher hills.
- Farmers in Rajouri and Udhampur districts are advised to undertake field preparation for sowing of Radish (Japanese white, Minowase), spinach (All green), Methi (Pusa Early Bunching) in view of sufficient moisture in the fields and clear weather
- Farmers in Doda district are advised to undertake sowing of mustard (KOS-1 and KS-101).
- Farmers in Rajouri and Udhampur districts are advised to undertake field preparation for sowing of mustard as per the following altitude: In areas up to 800 m altitude, varieties RSPR-01, Kranti, RLM-514, RLM-619, Pusa-Basant, Pusa Bahar, RH-30 and RL 1359 may be sown. In areas between 800 to 1500 m in altitude, RLM-514, RLM-619, Kranti, Varuna and RH-30 may be sown. In areas more than 1500 m in altitude, KOS-1 and KS-101 (Gulcheen) should be sown.
- Sowing of gobhi sarson may be done up to the first fortnight of October with varieties such as GSL-1, GSL-2 and DGS-1 @ 5kg seed /ha.

Rajasthan

- **Realised Rainfall:** 11 districts of East Rajasthan received normal/excess rainfall and remaining districts of the state received deficient/scanty/no rainfall during last week.

- **Rainfall distribution for last 5 weeks**

East Rajasthan	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Ajmer	-48	-86	-100	-100	-99
Bhilwara	-67	-99	-100	-100	-25
Bundi	-59	-64	-100	-100	-97
Jaipur	-21	-26	-100	-100	-75
Rajsamand	-90	-100	-100	-100	-100
Sikar	-58	-75	-100	-100	-100
Sirohi	-29	-100	-100	-100	-100
Tonk	-48	-58	-100	-100	-100
Udaipur	-56	-79	-100	-100	-82
3 weeks continuously deficient to no rain					
Alwar	-19	269	-100	-100	-84
Jhunjhunu	25	9	-100	-100	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
Banswara	120	-94	-100	-100	16
Baran	-22	96	-100	-100	666
Bharatpur	-41	199	-100	-100	7
Chittorgarh	8	-99	-100	-100	-3
Dausa	35	-47	-100	-100	67
Dholpur	-4	-4	-100	-100	548
Dungarpur	36	-100	-100	-100	173
Jhalawar	13	34	-100	-100	288
Karauli	47	-19	-100	-100	649
Kota	-60	-45	-100	-100	410
Sawai Madhopur	-32	-56	-100	-100	742
West Rajasthan					
Barmer	-58	-100	-100	-100	-100
Bikaner	-65	-100	-100	-100	-100
Churu	-91	-63	-100	-100	-100
Hanumangarh	62	-61	-100	-100	-100
Jaisalmer	-44	-100	-100	-100	-100
Jalore	-95	-100	-100	-100	-100
Jodhpur	-52	-100	-100	-100	-100
Nagaur	-58	-98	-100	-100	-100
Pali	-91	-100	-100	-100	-100
Sri Ganganagar	90	-100	-100	-100	-100

- **Rainfall Forecast:** Mainly dry weather is likely over the State
- **Major Kharif Crops:**
- **East Rajasthan:** Cowpea, bajra, maize
- **West Rajasthan:** Pearl millet, sorghum, maize, cluster bean, Sesamum, Pigeonpea, Groundnut
- **Crop Stage:** tillering/panicle initiation
- **Crop Condition: Satisfactory**
- **Advisory:** Farmers are advised to apply irrigation and undertake intercultural operations, application of fertilizers and pesticides in the standing crops.
- Take up hoeing, weeding and top dressing in maize and sorghum with application of urea
- **Major Seasonal Crop with stage:** vegetable crops (flowering / fruiting / harvesting)
- **Crop Condition: Good**
- **Advisory:** Undertake intercultural operations in sweet gourd, cucumber, pumpkin, bitter gourd, tinda, tomato and ladies finger.
- Sow seeds in nursery for raising seedling of autumn vegetables. Arrange for drainage in vegetable nursery. Use following improved varieties for nursery sowing: Tomato: Pusa Rubi, Pusa Early and Vihar. Brinjal: Pusa Summer Prolific Round, Pusa Summer Prolific Long, Meghdoot, Navin and Arka Bahar. Cucumber: Balam and Pusa Sahyog. Smooth gourd: Chikni and Nasdar.

- Undertake sowing of gram and mustard. Varieties for gram are GNG-469, GNG-663, RSG-888, RSG-44 and C-235 and for mustard Bio-902, T-59, Pusa bold, RNG-48, Arawali and RNG-73.
- Undertake sowing of early pea, carrot, Spinach and radish
- **Plant Protection:**
 - Green gram, moth bean & cowpea crop may be affected with yellow mosaic virus disease. To control this disease spray Dimethoate 30 EC @ 1.0 litre per hectare
 - Spray a solution of Acephate 70 SP @ 1 g or Profenophos @ 3 ml per litre water on calm and clear days to control mealy bug in okra.
 - In clusterbean aphid attack seen in the fields, spray monocrotophos @ 250ml/bigha or daimethoate 30EC @300ml/bigha
 - sucking pests and boll worms on cotton, spray Carbaryl 50 % @ 2.5 kg/ha or quinalphos 25 EC @ 1.40 lit./ha..

EAST INDIA [JHARKHAND, BIHAR, ORISSA, WEST BENGAL & SIKKIM]

Bihar

- **Realised Rainfall:** 8 districts of the state received normal/excess rainfall and remaining districts of the state received deficient/scanty/no rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Bihar					
More than 3 weeks continuously deficient to no rain					
Araria	-55	-94	-85	-67	-69
Aurangabad	354	-88	-100	-100	-62
Begusarai	96	-70	-100	-100	-100
Bhabua	281	-98	-100	-100	-100
Bhojpur	149	-73	-100	-100	-100
Buxar	103	-73	-100	-52	-99
Darbhanga	-41	-31	-98	-100	-91
East Champaran	-17	-52	-100	-100	-97
Gaya	383	-22	-100	-100	-50
Gopalganj	-27	-75	-98	-100	-100
Jhanabad	139	-54	-100	-78	-95
Jamui	141	-70	-87	-89	-74
Madhubani	-33	-51	-99	-94	-84
Patna	21	-71	-85	-99	-40
Rohtas	165	-55	-100	-92	-26
Saran	-18	-35	-100	-100	-100
Sitamarhi	-44	-88	-83	-73	-98
Siwan	-35	-68	-100	-100	-100
Vaishali	-46	-90	-100	-100	-82
West Champaran	0	-79	-100	-95	-91
3 weeks continuously deficient to no rain					
Bhagalpur	71	1	-62	-30	-36
Muzaffarpur	37	-12	-70	-100	-64
Madhepura	-11	-84	-44	-100	**
Distribution of rainfall for remaining districts of the state for last five weeks					
Kathihar	-63	-77	-38	-87	103
Khagadia	60	-57	-94	-66	-12
Monghyar	37	-42	-60	102	293
Nalanda	50	-68	-99	-100	4
Purnea	-51	-85	-37	-95	55
Saharsha	-68	-67	-58	-100	-2
Samstipur	-23	-54	-92	-100	4
Supaul	5	-61	-92	-100	-18

- **Rainfall Forecast:** Rain/thundershowers at a few places over Bihar during next 24 hours and isolated thereafter.
- **Major Kharif Crops:** Rice, urd, sunflower, maize and pigeon pea
- **Crop Stage:** Rice(flowering/grain formation), maize(silking)
- **Crop Condition:** Good
- **Advisory**
 - As there was no significant rainfall in most of the districts and no significant rainfall is likely in the State, farmers are advised to apply irrigation to the crops. Postpone irrigation in Kathihar, Monghyar and Purnea districts as there was excess rainfall in these districts.
 - Continue the field preparation and sowing of *rabi* vegetables.
 - Complete sowing of niger during this week.
 - Continue the field preparation for sowing of rapeseed and mustard. Select RAUTS 17, Panchali, PT 303, Bhawani varieties of rapeseed and Rajendra Sorson 1, Swarna and 66-197-3 varieties of yellow sarson for sowing in north Bihar.
- **Major Seasonal Crop with stage:** Sugarcane (vegetative/grand growth), fodder maize, jowar, lobia and sudan grass (vegetative)
- **Crop Condition:** Good
- **Advisory:**
 - Undertake intercultural operations, application of fertilizers on a non rainy day.
 - Weather condition is congenial for transplanting of Aghani, Pusa Dipali, Pusi, Patna Main and Pusa Shuvra varieties of cauliflower.
 - **Plant Protection:** Weather conditions are favourable for mild incidences of -
 - stem borer insects in brinjal crop. Farmers are advised to apply Endosulphan @1.5 ml per litre of water.

Jharkhand

- **Realised Rainfall:** 7 districts received normal/excess rainfall and the remaining districts of the state received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Jharkhand					
More than 3 weeks continuously deficient to no rain					
Gumla	-100	-75	-96	-93	-46
Hazaribagh	-73	-85	-89	-71	-69
3 weeks continuously deficient to no rain					
Chatra	**	**	-100	-94	-80
Santhal Parganas	**	-11	-89	-80	-61
2 weeks continuously deficient to no rain					
Bokaro	296	-69	8	-65	-38
Distribution of rainfall for remaining districts of the state for last five weeks					
Dhanbad	378	-56	-32	-58	102
East Singbhum	190	-100	52	-13	247
Giridih	163	-25	-66	-97	9
Godda	302	-43	**	**	-97
Lohardagga	-100	-80	-100	-92	203
Palamau	**	-76	-100	-57	114
Ranchi	156	-55	-35	-36	107
West Singbhum	212	-93	-44	-54	1141

- **Rainfall Forecast:** Rain/thundershowers at a few places over Jharkhand during next 24 hours and isolated thereafter.
- **Major Kharif Crops:** Maize, Arhar, Til, Ragi, Vegetables
- **Crop Stage:** Direct sown rice(flowering/grain formation), Maize(grain formation), other *kharif* crops are at flowering/grain formation stage.
- **Crop Condition:** Good

- **Advisory:**
 - Postpone irrigation in Dhanbad, East Singhbhum, Lohardagga, Palamau, Ranchi and West Singhbhum districts as there was excess rainfall in these districts. As there was no significant rainfall in the remaining districts during last week, farmers are advised to apply irrigation to the crops.
 - Prepare the land and undertake sowing of barsati potato. The varieties to be selected are Kufri chandramukhi, Kufri Lalima, Kufri Ashok, Kufri Kanchan, ON-2236 & Ultimus.
- Undertake weeding, intercultural operations and top dressing on a non rainy day.
- **Major Seasonal Crop with stage:** Sugarcane (vegetative/grand growth),
- **Crop Condition: Good**
- **Advisory:** Farmers are advised to undertake weeding, intercultural operations in sugarcane on a non rainy day. Undertake transplanting of brinjal, chilly, tomato. Undertake sowing of pea, cabbage and cauliflower.

Orissa

- **Realised Rainfall:** Most of the districts of the state received excess rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Orissa	09.09.09	16.09.09	30.09.09	07.10.09
Angul	-23	-99	-57	253
Balasore	270	-92	-58	187
Bargarh	32	-99	21	145
Bhadrak	174	-93	-10	207
Bolangir	-1	-100	12	-22
Boudh	-34	-100	48	84
Cuttack	57	-83	-6	381
Deogarh	-68	-92	-53	315
Dhenkanal	15	-94	-19	293
Gajapati	-68	-49	40	56
Ganjam	1	-70	40	166
Jagatsingpur	105	-93	56	69
Jajpur	100	-94	-15	290
Jharsuguda	-47	-95	-49	496
Kalahandi	-21	-100	76	31
Kandhamal	40	-97	51	231
Kendrapara	240	-90	21	195
Keonjhar	60	-84	-61	418
Khurda	-22	-71	3	138
Koraput	-33	-61	-4	174
Malkangiri	-56	-92	38	-34
Mayurbhanj	114	-73	-32	210
Nawapara	-86	-100	-26	7
Nawarangpur	-42	-92	119	16
Nayagarh	-35	-81	66	183
Puri	61	-90	95	185
Rayagada	-48	-99	-8	99
Sambalpur	-46	-99	-35	253
Sonepur	86	-100	42	-9
Sundargarh	5	-91	-35	243

- **Rainfall Forecast:** Rain/thundershowers at many places over coastal Orissa during next 24 hours and isolated thereafter. Rain/thundershowers at a few places over interior Orissa during next 24 hours and isolated thereafter.
- **Major Kharif Crops:** Rice, ragi, arhar, maize, green gram, blackgram
- **Crop Stage:** Rice(flowering/grain formation), Pigeonpea(flowering), groundnut(pod formation/maturity), cotton(vegetative), early sown maize(silking/grain formation), green gram, blackgram(maturity)
- **Crop Condition:** Good

- **Advisory:** As there was excess rainfall in most of the districts of the State, farmers are advised to postpone irrigation to the crops. Also provide adequate drainage facilities to avoid waterlogging.
- Farmers are advised to undertake sowing of pre-rabi crops like green gram, black gram, horse gram in the up and up-medium lands and grow garden pea for green pea in rainfed up land in Keonjhar, Koraput and Phulbani districts.
- Harvest the early sown black gram and green gram.
- The weather is favourable for sowing of sunflower, mustard, groundnut under rainfed condition.
- **Major Seasonal Crop with stage:** Sugarcane (early vegetative), vegetables (fruiting / harvesting), onion (vegetative), jute (vegetative)
- **Crop Condition: Good**
- **Advisory:** Undertake weeding, intercultural operations and application of fertilizers after current spells of rain in coastal Orissa and on a non rainy day in interior Orissa.
- Farmers are advised to go for early planting of cole crops like raddish, cabbage, cauliflower, beans and cluster bean tomato. For cabbage and cauliflower, go for nursery raising of seedlings.
- **Plant Protection:** Weather conditions are favourable bacterial leaf blight in rice in most areas. Spray 1 g Streptocycline along with 20 g Copper Oxochloride in 10 litre water. Rice is affected by leaf folder in some patches Spray 1 g Cartap hydrochloride or 2 ml Chloropyriphos or 2 ml Monocrotophos in 1 litre water. Undertake spraying on after current spells of rain in coastal Orissa and on a non rainy day in interior Orissa.

West Bengal

- **Realised Rainfall:** The state received normal/excess rainfall during last week.
- **Rainfall distribution for last 5 weeks:**

	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
GWB					
Bankura	318	-83	-43	-88	-7
Birbhum	187	-34	-12	-76	38
Burdwan	168	-81	113	-37	31
Hooghly	193	-77	7	-99	103
Howrah	302	-88	-65	-71	86
Midnapore	172	-91	-29	-64	42
Murshidabad	347	-17	38	-85	230
Nadia	494	-71	-8	-74	74
24 Pargana (N)	230	-75	-48	-67	21
Purulia	217	-90	-42	-74	53
24 Pargana (S)	204	-95	-16	-78	36
SHWB					
Coochbehar	-49	-83	-17	-93	4
Darjeeling	-26	-73	48	-89	85
Jalpaiguri	-71	-76	40	-87	12
Malda	43	-69	-49	-97	107
Dinajpur (N)	-78	-80	-77	**	138
Dinajpur (S)	-99	-95	-84	-100	43

- **Rainfall Forecast:** Rain/thundershowers is likely at many places during next 24 hours and at isolated places thereafter; isolated heavy to very rainfall in sub Himalayan West Bengal during next 24 hours.
- **Major Kharif Crops:** Rice, vegetables
- **Crop Stage:** flowering/pod formation (pulse crops), aman rice (grain formation), harvesting (aus paddy)
- **Crop Condition: Good**
- **Advisory:** As rain/thundershowers are likely at many places over West Bengal, postpone irrigation to the standing crops. Arrange for drainage facilities to avoid water stagnation due to ; isolated heavy to very rainfall likely during next 24 hours
 - Undertake intercultural operations to keep the fields free from weeds after current spells of rain.
 - Undertake top dressing last dose of urea @ 6 kg/bigha to paddy after current spells of rain.
 - After the harvest of aus rice and jute, farmers are advised to undertake sowing of oil seed crops
- **Major Seasonal Crop with stage:** Sugarcane (vegetative), vegetable crops (transplanting)
- **Crop Condition: Good**

- **Advisory:**

- Farmers are advised to apply top dressing of urea @ 30 kg/acre to cauliflower (Var: Micardo, White Barna) and hybrid cabbage (Var: Green Express).
- Farmers can also prepare for the sowing of radish and ladies finger.

- **Plant protection:**

- As temperature will be high in this week, according to the forecast it may cause the outcome of blast and sheath blight or stem rot in rice. At that time apply carbendazim 50 WP or IBP 48 EC @0.1%, hexaconazol @2 ml/L or mancozeb 0.1 after current spells of rain.

Sikkim

- **Realised Rainfall:** The state received normal rainfall during last week.

- **Rainfall distribution for last 5 weeks:**

	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Sikkim	-24	-64	5	-97	11

- **Rainfall Forecast:** Rain/thundershowers is likely at many places during next 24 hours and at isolated places thereafter; isolated heavy to very rainfall during next 24 hours.

- **Major Seasonal Crop with stage: Rice:** flowering *Kharif* **Vegetables:** flowering/fruitletting/ harvesting; **Large Cardamom:** Capsule maturity/harvesting;

- **Crop Condition: Good**

- **Advisory:** Drain out excess water from the fields and orchards in Bijapur and onion, chilli, groundnut, soybean, maize, etc in Dharwad and in other districts. Provide mechanical strength and tie with adjacent plants for lodged plants.
- Application of fertilizers, pesticides and intercultural operations may also be undertaken after current spells of rain.
- Nursery beds of large cardamom suckers may be mulched properly with dried leaves in order to prevent soil erosion and weed growth.
- Water level of 5 cm to at least 3/2.5 cm should be maintained in paddy fields for better yield. During the tillering stage, in the medium hills, water level of 3-4 cm should be maintained to enable maximum tillering as in case of insufficient water, tillering will be less and facilitate excess growth of weeds.

- **Plant protection:**

- Regular inspection may be carried out to observe caterpillar/shoot borer/shoot fly incidence, if any, and may be hand picked and destroyed mechanically or by burning.

NORTHEAST INDIA [ARUNACHAL PRADESH, NMM & T, ASSAM, MEGHALAYA]

Assam

Realised Rainfall: The state received deficient / scanty/ no rainfall during last week.

Rainfall distribution for last 5 weeks:

Assam					
State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Goalpara	-89	-85	-25	-92	-61
Jorhat	-84	-30	-49	-91	-50
Kokrajhar	-61	-92	-33	-85	-65
Lakhimpur	-68	-62	-31	-99	-90
3 weeks continuously deficient to no rain					
Golghat	-68	21	-44	-39	-58
2 weeks continuously deficient to no rain					
Bongaigaon	-16	-90	26	-100	-49
Darrang	-63	3	9	-90	-86

Dhubri	-84	-76	47	-90	-49
Dibrugarh	-81	-44	131	-50	-92
East Khasi Hills	-21	-61	70	-66	-60
Hailakandi	-70	-63	123	-45	-84
Karbi Analog	-100	15	190	-41	-58
Morigaon	-84	-67	113	-87	-75
Nowgong	-94	-58	-7	-76	-41
Sonitpur	-59	-97	102	-51	-59
Tinsukia	-83	-36	115	-39	-81
Distribution of rainfall for remaining districts of the state for last five weeks					
Bongaigaon	-16	-90	26	-100	-49
Darrang	-63	3	9	-90	-86
Dhubri	-84	-76	47	-90	-49
Dibrugarh	-81	-44	131	-50	-92
East Khasi Hills	-21	-61	70	-66	-60
Hailakandi	-70	-63	123	-45	-84
Karbi Analog	-100	15	190	-41	-58
Nowgong	-94	-58	-7	-76	-41
Sonitpur	-59	-97	102	-51	-59
Tinsukia	-83	-36	115	-39	-81

- **Rainfall Forecast:** Rain/thundershowers at many places over the State during next 48 hours and at a few places thereafter.
- **Major Kharif Crops:** *Sali* paddy
- **Crop Stage:** Rice(panicle initiation)
- **Crop Condition:** Good
- **Advisory:** Apply top dressing in late sown *sali* rice.
- Farmers are advised to sow early varieties of cauliflower(eg. Early Kuwari, Pusa Keteki, Pusa Dipali etc.).
- Rape seed and mustard may be sown from mid-October to mid-November. Early sown crop can escape the attack of mustard aphids. Recommended varieties are M-27, TS-29, TS-36, TS-38 etc.
- Postpone irrigation to the crops as rain/thundershowers likely at many places along with heavy rainfall over the State during next 48 hours and at a few places thereafter. Provide adequate irrigation facilities to avoid waterlogging.
- Undertake sowing of toria varieties like M27, TS 36, TS 38 and TS 46 and niger. Collect quality seeds of field peas like Rasna, Arpana and Pant 14 and sowing can be done by this week.
- **Major Seasonal Crop with stage:** Vegetables (vegetative / flowering / fruiting / harvesting), early *ahu* rice (panicle initiation), maize (tasselling) and sugarcane (vegetative).
- **Crop Condition:** Good
- **Advisory:**
- Apply irrigation to the crops as there was no significant rainfall in most of the districts of the State and no significant rainfall is likely during next five days.
- Seeds of cabbage, cauliflower, knoll khol, tomato, brinjal etc., can be sown in nursery beds.
- Plant protection: Weather conditions are favourable for mild incidences of –
 - leaf folder or stem borer in rice. When there is one damage leaf per hill due to attack of leaf folder or appearance of one adult hispa per hill is observed farmers are advised to spray Chloropyriphos 20EC @ 1.5ml per liter of water.

Arunachal Pradesh

- **Realised Rainfall:** The state received deficient/scanty/no rainfall except Papumpara district, which received excess rainfall during last week.
- **Rainfall distribution for last 5 weeks:**

Arunachal Pradesh					
State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Lower Subansiri	-51	-98	-75	-91	-36

Tawang	-16	-26	-61	-69	-100
3 weeks continuously deficient to no rain					
Changlang	-93	-1	-61	-71	-93
2 weeks continuously deficient to no rain					
East Kameng	-86	-95	64	-100	-56
East Slang	-98	-93	86	-94	-91
Lohit	-91	-26	232	-74	-90
Tirap	-94	-78	246	-41	-100
Upper Subansiri	-93	-66	66	-71	-68
West Kameng	-68	-34	461	-100	-63
Distribution of rainfall for remaining districts of the state for last five weeks					
Papumpara	-85	-90	20	-96	21

- **Rainfall Forecast:** Rain/thundershowers at many places over the State during next 48 hours and at a few places thereafter.
- **Major Kharif Crops:** *Jhum* rice, WRC rice, millets
- **Crop Stage:** Rice, ragi (grain formation)
- **Crop Condition:** Good.
- **Advisory:**
- Undertake weeding and intercultural operations.
- Undertake sowing of maize and pea.
- Postpone irrigation to the crops as rain/thundershowers likely at many places along with heavy rainfall over the State during next 48 hours and at a few places thereafter. Provide adequate irrigation facilities to avoid waterlogging.
- Land preparation may be started for potato sowing.
- **Major Seasonal Crop:** Vegetables
- Harvest the matured vegetable crops.
- **Plant Protection:** Prophylactic measure for protection of seed ginger rhizome from fungal disease may be taken.

SOUTH INDIA [TN, AP, KERALA, KARNATAKA, LAKSHADWEEP, ANDAMAN & NICOBAR ISLANDS]

Andhra Pradesh

- **Realised Rainfall:** Most of the districts of the state received normal / excess during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Nellore	-78	-66	-71	-37	-91
Coastal Andhra Pradesh					
East Godavari	-33	-61	-52	2	-22
Guntur	-74	12	-45	60	27
Krishna	-48	1	-55	50	52
Prakasam	-69	79	-68	10	-41
Sirkakulam	-68	-37	-72	54	102
Visakhapatnam	-22	-65	-37	54	76
Vizianagram	-62	-27	-70	25	115
West Godavari	27	-26	-38	-14	-23
Telangana					
Adilabad	-16	-98	-99	14	137
Hyderabad	-50	-29	-100	78	202
Karimnagar	-21	-95	-96	22	129
Khammam	46	-85	-66	-13	104
Mehabubnagar	-6	-14	-82	164	576
Medak	29	-93	-100	32	54
Nalgonda	-44	-83	-83	124	104
Nizamabad	8	-92	-92	82	64

Rangareddy	-22	-88	-87	70	160
Warangal	15	-75	-72	48	159
Rayalaseema					
Anantapur	-63	113	30	17	47
Chittoor	-83	25	85	5	-89
Cuddapah	-89	-48	-38	137	-74
Kurnool	1	2	-28	104	516

- **Rainfall Forecast:** Rain/thundershower at isolated places.
- **Major Kharif Crops:** Cotton, soybean, jowar, black gram, green gram, pearl millet, finger millet, jowar, green gram, groundnut, sunflower, rice, brinjal, tomato and chillies.
- **Crop Stage:** panicle initiation/flowering (rice), pegging (groundnut), vegetative (cotton).
- **Crop Condition:** Major crop loss is reported due to flooding in northern parts of the state. Crop conditions may improve only after receding of water.
- **Advisory:** Drain out excess water for the crop area and from the fields in Kurnool, Krishna and in other northern districts. Provide mechanical strength and tie with adjacent plants for lodged plants
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides after receding of water.
- **Major Seasonal Crop:** Sugarcane and Vegetables
- Farmers are advised to undertake intercultural operations in sugarcane and vegetables after receding of water to keep the fields weed free.
- Farmers are advised to undertake sowing of *rabi* redgram, rajmah and cowpeacrops.

Karnataka

- **Rainfall Forecast:** Rain/thundershower at isolated places over Coastal Karnataka and mainly dry weather in Interior Karnataka.
- **Major Kharif Crops:** Jowar, Maize, Bajra, Redgram, Ragi, Greengram, Blackgram, Cowpea, Sesamum, Groundnut, Sunflower, Soyabean, Cotton.
- **Crop Stage:** grain formation (rice), pod formation (pulse crops), pod formation (groundnut), cob formation/ grain development (maize).
- **Crop Condition:** Major crop loss is reported due to flooding in northern parts of the state. Crop conditions may improve only after receding of water
- **Advisory:** Drain out excess water for the crop area and from the fields and orchards in Bijapur and onion, chilli, groundnut, soybean, maize, etc in Dharwad and in other northern districts. Provide mechanical strength and tie with adjacent plants for lodged plants.
- For groundnut apply gypsum @ 200 kg/acre and undertake earthing up after receding of water.
- **Major Seasonal Crop:** Sugarcane and vegetables. This is proper time for sowing of *rabi* crops.
- Undertake intercultural operations in sugarcane and early sown crops over coastal Karnataka to keep the field weed free.
- Sowing of sorghum, Bengalgram, safflower and sunflower can be continued and sowing of wheat can be started in Bijapur and sorghum, wheat, chickpea, safflower in Dharwad after receding of water.
- It is ideal time for planting banana, arecanut and cashew in Brahmavar.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - sucking pests in vegetable crops, spray the crop with 1.7 ml Dimethoate or 1.0 ml Oxydemetonmethyl dissolved in one liter of water.
 - koleroga in arecanut; spray 1 % Bordeaux mixture to control.
 - Erect the branched wooden poles (taller than the crop) in redgram field so as to facilitate the birds to sit on it and they can easily see the larvae of *Heliothis* pod borer and eat them.

Kerala

- **Realised Rainfall:** The state received excess rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Kerala	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Alappuzha,	-12	-96	23	-14	132

Kannur	108	-94	15	31	261
Ernakulam	52	-80	106	79	99
Idukki	270	-53	-12	-11	171
Kasaragod	33	-43	-76	85	20
Kollam	113	-84	24	25	275
Kottayam	4	-87	18	11	105
OKozhikode	130	-88	4	-22	389
Malappuram	156	-73	40	-71	225
Palakkad	231	-83	5	-47	148
Pathanamthitta	61	-72	53	-4	156
Thiruvananthapuram	167	-98	-15	-23	117
Thrissur	101	-83	25	23	129
Wyanad	83	-68	5	-61	226

- **Rainfall Forecast:** mainly dry weather
- **Major Kharif Crops:** Rice
- **Crop Stage:** end harvesting (*viripu* rice).
- **Crop Condition:** Good.
- **Advisory:** Farmers are advised to postpone irrigation as there was sufficient rainfall during last week.
- Apply second dose of fertilizer in coconut. Apply fertilizers @ 500g Urea, 600g Rock phosphate and 800g Potash per plant.
- Intercultural operations, application of fertilizers and pesticides may be continued.
- **Major Seasonal Crop:** Vegetables and plantation crops (coconut, arecanut, pepper and cashew). Time for nursery sowing of planting of coffee and *mundakan* rice
- Intercultural operations, application of fertilizers and pesticides may be continued.
- Farmers are advised to continue transplanting of *mundakan* rice in the main field
- Undertake planting of coffee seedling in high hill areas.
- Planting of vegetables like pumpkin, bitter gourd and snake gourd may be undertaken during these days. Ambili and Saras are the good varieties in pumpkin. In bitter gourd Preethi is ideal variety and for soils having fertility and acidic nature, Priyanka is apt variety. In snake gourd farmers may select the varieties based on the length of the fruit. Kaumudi – 90 cm; Manusree - 60 cm; Baby - 30-40 cm.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - pollu beetle and quick wilt in pepper. Drench the soil with 0.2% Copper oxy chloride and spray the aerial part with 1% Bordeaux mixture as a prophylactic measure to control Quick wilt and pollu disease. Application Trichiderma/ Psuedomonas culture will control the quick wilt infestation
 - In coconut, due to favourable weather conditions, apply 1% Bordeaux mixture in the tender leaf axils as a prophylactic measure to control bud rot. Stem bleeding may become more severe. Farmers are advised to keep vigilance against Red palm weevil and rhinoceros beetle.

Tamil Nadu

- **Realised Rainfall:** The state received deficient / scanty rainfall except Cuddalore, Karur, Perambalur, Tiruvallur, districts, which received excess rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks deficient/scanty rainfall during last 5 weeks.					
Chennai	-84	-66	-47	-26	-100
Pondicherry	-99	-26	-83	-40	-100
2 weeks deficient/scanty rainfall during last 5 weeks.					
Dharmapuri	-78	48	85	-32	-100
Dindigul	-94	-31	65	-31	-99
Erode	-94	5	80	-41	-97
Kanchipuram	-73	-27	2	-25	-99
Kanyakumari	234	-94	13	-40	-99
Krishnagiri	-75	211	135	-55	-100
Madurai	-100	-18	74	-25	-93
Nagapattinam	-83	-92	-15	-75	-100

Namakkal	-49	-8	40	-41	-96
Nilgiris	249	-38	21	-26	-99
Pudukottai	-87	1	126	-48	-99
Ramanathapuram	-100	-75	238	-51	-95
Salem	-13	8	80	-23	-100
Thanjavur	-96	-17	124	-48	-100
Theni	112	-69	0	-45	-100
Tirunelveli	208	-34	30	-87	-29
Tiruvarur	-100	-63	119	-84	-100
Trichy	-100	-69	103	-76	-95
Tuticorin	-100	-54	141	-90	-100
Villupuram	-94	105	-16	-76	-98
Virudhunagar	-100	-75	133	-98	-100
Distribution of rainfall for remaining districts of the State for last 5 weeks.					
Coimbatore	1164	7	198	29	-100
Cuddalore	-68	-73	2	-21	29
Karur	-100	43	95	-84	252
Perambalur	-83	-100	80	-52	225
Sivaganga	-100	61	76	127	-99
Tiruvallur	-74	-86	-32	30	175
Tiruvannamalai	-100	76	96	14	-98
Vellore	-87	95	136	63	-95

- **Rainfall Forecast:** Mainly dry weather is likely to prevail over the state.
- **Major Kharif Crops:** Groundnut, pulses and rice
- **Crop Stage:** harvesting (*kuruvai* rice), pod development (pulses), picking (cotton)
- **Crop Condition:** Good
- **Advisory:**
 - Farmers are advised to arrange for supplementary irrigation particularly to pulse and maize crops
 - Undertake intercultural operations (weeding and earthing up) to keep the fields weed free.
 - Farmers in Kovilpatty are advised to arrange for harvesting cotton during the early hours to maintain the quality of kapas.
- **Major Seasonal Crop:** *thaladi* rice (transplanting), sugarcane, banana and vegetables.
 - Farmers are advised to undertake transplanting of *thaladi* rice.
 - Intercultural operations and application of fertilizers may be continued in vegetables and sugarcane.
 - For vegetable nursery, there should not be any stagnation of water in the beds. Thus, channels in between the raised nursery beds should be cleaned for proper drainage.
- **Plant Protection:**
 - Rust and Tikka leaf diseases may attack groundnut due to favourable weather conditions; farmer are advised to go for plant protection measures like spraying of either Mancozeb (400 grams per acre) or wet sulphur (1 kg per acre @ 2 grams per litre of water).

WEST INDIA [GOA, MAHARASHTRA, GUJARAT]

Maharashtra

- **Realised Rainfall:** The state received excess rainfall except Yeotmal, Bhandara, Gondia districts which received deficient rainfall during last week.
- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Vidarbha					
Yeotmal	23	-93	-99	-36	-59
Distribution of rainfall for remaining districts of the state for last five weeks					
Konkan & Goa					
Goa	199	-37	-67	-14	608
Mumbai	190	13	-37	-96	534
Raigad	67	-31	-48	-83	360

Ratnagiri	194	-34	-40	-15	393
Sindhudurg	207	-33	-76	-21	1203
Thane	22	-58	-81	-60	536
Madhya Maharashtra					
Ahmednagar	104	36	-87	-82	216
Dhule	401	-60	-75	-93	229
Jalgaon	198	-95	-95	-91	269
Kolhapur	223	87	25	146	326
Nandurbar	147	-100	-100	-100	446
Nasik	138	-38	-66	-89	212
Pune	24	81	29	-74	308
Sangli	4	18	8	135	250
Satara	40	72	66	-39	263
Solapur	53	-20	-36	74	276
Marathwada					
Aurangabad	266	-13	-89	-98	220
Beed	193	-20	-69	15	261
Jalna	79	-74	-77	-88	107
Latur	42	-93	-99	-21	68
Nanded	0	-100	-100	-33	90
Usmanabad	152	-50	-83	25	208
Parbhani	0	-73	-89	-16	121
Vidarbha					
Akola	47	-97	-90	-39	137
Amraoti	10	-98	-100	-29	101
Bhandara	-7	-60	-99	-1	-28
Buldhana	13	-98	-98	-91	325
Chandrapur	-59	-99	-99	-53	103
Gadchiroli	-48	-100	-98	10	105
Gondia	-58	-59	-100	20	-29
Nagpur	-8	-72	-96	-31	183
Wardha	-58	-98	-89	-39	30
Washim	20	-50	-100	-48	65

- **Rainfall Forecast:** Isolated rain/thundershowers over Konkan & Goa. Mainly dry weather over the rest region.
- **Major Kharif Crops:** Rice, ragi, cotton, Vegetables, Pulses, bajra, groundnut, tur, horse gram, soybean, jowar
- **Crop Stage:** *Kharif* paddy (early variety at flowering, mid late variety at panicle initiation & late variety at active tillering in Konkan & Kolhapur divisions and tillering/panicle initiation in other divisions), jowar (vegetative growth / flag leaf initiation), *kharif* cotton(floral bud formation), bajra(grain formation/ grain maturity), groundnut (pegging / pod formation), soyabean (pod formation), irrigated cotton(flowering / boll formation) and black gram(pod maturity / harvesting) and red gram (branching).
- **Crop Condition:** Good
- **Advisory:** As there was excess rainfall in most of the districts over the State, postpone irrigation to the standing crops. Also provide adequate drainage facilities to avoid water logging, wherever necessary.
 - Apply second dose of nitrogenous fertilizers to *kharif* rice in Vidarbha.
 - Apply third dose of Nitrogenous fertilizer @ 20 kg N per ha to *kharif* paddy crop at flowering stage in Konkan & Kolhapur divisions.
 - Continue sowing of *rabi* jowar and safflower in Vidarbha, Marathwada & Madhya Maharashtra.
- **Major Seasonal Crop:** Fruit crops, Sugarcane and vegetables
 - Apply top dressing of N @ 160 kg/ha to new *adsali* sugarcane after 6-8 weeks of planting.
 - Undertake spraying, fertilizer application in the standing crops.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - blue beetle and leaf folder & blast in *kharif* paddy in Konkan. For control of blue beetle and leaf folding caterpillar, spray Carbaril powder @ 2gm / lit of water with 1 ml sticker and for control of

blast disease in transplanted rice field, spraying of Carbendazim @ 1gm / liter or copper-oxy-chloride @ 2.5gm/liter of water with 1 ml. sticker may be done.

- Sap sucking pest on cotton in Central Vidarbha zone, for control spray Acitameprid 20 % WS@ 4 gm or Dimethoate 30 % WS @ 10 ml in 10 liters of water.

Gujarat

- **Realised Rainfall:** 10 districts of the state received scanty/no rainfall and remaining districts received normal/excess rainfall during last week.
- **Rainfall distribution for last five weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
More than 3 weeks continuously deficient to no rain					
Gujarat Region					
Anand	-81	-98	-100	-100	-66
Banaskantha	-97	-100	-100	-100	-100
Mehsana	-92	-100	-100	-100	-94
Patan	-100	-100	-100	-100	-100
Sabarkantha	-47	-100	-100	-100	-62
Saurashtra, Kutch & Diu region					
Junagarh	-60	-100	-100	-100	-68
Kutch	-100	-100	-100	-100	-72
Porbandara	-69	-100	-100	-100	-100
Rajkot	-98	-100	-100	-97	-99
Surendranagar	-100	-98	-100	-100	-97
Distribution of rainfall for remaining districts of the state for last five weeks					
Gujarat Region					
Ahmedabad	-92	-92	-100	-100	-17
Baroda	-30	-100	-100	-100	344
Broach	-15	-100	-100	-100	276
Dahod	13	-100	-100	-100	182
Dangs,	100	-94	-100	-100	651
DNH & Daman	58	-99	-91	-100	507
Gandhinagar	-100	-100	-100	-100	66
Kheda	-94	-100	-100	-100	104
Narmada	115	-100	-100	-100	566
Navsari	117	-96	-93	-100	288
Panchmahal	-33	-100	-100	-100	94
Surat	139	-99	-100	-100	425
Valsad	129	-97	-95	-93	477
Saurashtra, Kutch & Diu region					
Amreli	-87	-73	-100	-90	4
Bhavnagar	-20	-70	-100	-100	124
Jamnagar	-84	-100	-100	-100	23

- **Rainfall Forecast:** Mainly dry weather is likely to prevail over the State.
- **Major Kharif Crops:** Rice, castor, pigeon pea, cotton, groundnut, bajra, sesamum, cluster bean, pulses
- **Crop Stage:** Rice(panicle initiation/flowering), groundnut(pegging), maize(siliking), bajra (vegetative/flowering), cotton(square formation)
- **Crop Condition:** Crop condition is satisfactory
- **Advisory:**
 - As most of the districts in Gujarat region of the State received good rainfall during last week, postpone irrigation to the crops. Apply irrigation to the crops in Saurashtra & Kutch region as there was no significant rainfall during last week and mainly dry weather is likely for the next five days.
 - Undertake sowing of mustard varieties Varuna, Gujarat Mustar-1, 2 and 3 before 15th October to escape mustard sawfly and thrip epidemic.
- **Major Seasonal Crop:** Fruit crops, Sugarcane and vegetables

- Undertake intercultural operation and application of fertilizer and plant protection measures. Undertake planting of different fruit crops like mango, sapota, pomegranate, lemon, guava, custard apple etc.
- Farmers are advised for sowing of fodder sorghum.
- Undertake top dressing in castor.
- Continue sowing of clusterbean varieties like GC – 1, 2 at 30 cm spacing.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - seedling rot in vegetable nursery, drench nursery with Bordeaux mixture@ 0.6% or Ridomil MZ@0.05% .
 - collar rot and root rot diseases are observed in cotton and groundnut. Spray carbendazim @10 gm + mencozeb @ 20 gm in 10 liters of water.

CENTRAL INDIA [M.P., CHHATTISGARH]

Madhya Pradesh

● Rainfall distribution for last 5 weeks

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
East Madhya Pradesh					
Balaghat	-57	-85	-100	9	**
Chhatarpur	-1	-19	-100	-92	**
Chindwara	165	-49	-100	-100	**
Damoh	42	28	-100	-98	**
Dindori	74	-82	-100	-99	**
Jabalpur	205	21	-100	-100	**
Katni	55	-25	-100	-91	**
Mandla	40	-95	-100	-48	**
Narsingpur	272	141	-100	-95	**
Panna	-54	31	-100	-100	**
Rewa	-41	-82	-87	-100	**
Sagar	54	149	-100	-85	**
Satna	67	-18	-100	-99	**
Seoni	-26	-65	-100	-90	**
Shahdol	157	-92	-100	-79	**
Sidhi	40	-90	-100	-100	**
Tikamgarh	17	-84	-100	-100	**
Umariya	191	-76	-100	-100	**
West Madhya Pradesh					
Badwani	185	-100	-100	-74	**
Betul	18	-43	-100	-86	**
Bhind	-33	-50	-100	-100	**
Bhopal	15	-46	-100	-100	**
Datia	58	-90	-100	-100	**
Dewas	-71	-36	-100	-100	**
Dhar	114	-100	-100	-99	**
Guna	-35	2	-100	-100	**
Gwalior	19	-74	-100	-100	**
Harda	-66	-21	-100	-100	**
Hosangabad	66	39	-100	13	**
Indore	157	-99	-100	-100	**
Jhabua	107	-100	-100	-100	**
Khandwa	1	-99	-100	-100	**
Khargone	122	-100	-100	-100	**
Mandsaur	84	-100	-100	-100	**
Morena	34	38	-100	-100	**
Neemuch	121	-100	-100	-100	**
Raisen	29	116	-100	-100	**
Rajgarh	-56	0	-100	-100	**

Ratlam	50	-100	-100	-99	**
Sehore	-43	-62	-100	-100	**
Shajapur	-10	-100	-100	-100	**
Sheopur Kalani	-14	-81	-100	-100	**
Shivpuri	-1	-71	-100	-100	**
Ujjain	95	-84	-100	-100	**
Vidisha	-30	87	-100	-100	**

- **Rainfall Forecast:** Mainly dry weather is likely to prevail over the State.
- **Major Kharif Crops:** Rice, jowar, sunflower, jowar and soybean
- **Crop Stage:** Tillering/panicle initiation (rice), pod development (soyabean and other pulse crops).
- **Crop Condition:** Satisfactory.
- **Advisory:** Undertake weeding and intercultural operations in soybean, paddy, maize, moong, urd and other *kharif* crops.
 - Also undertake top dressing of urea in maize, jowar, paddy and other *kharif* crops with recommended dose.
- **Major Seasonal Crop with stage:** Sugarcane (cane development), cotton (boll development/ maturity) and vegetable crops (vegetative)
- **Crop Condition:** Good
- **Advisory:** Farmers are advised to transplant cabbage and cauliflower on the field.
 - Farmers are advised to undertake transplanting of chilli, tomato and onion.
 - Undertake pit preparation for planting of new orchard crops.
 - Farmers are advised to apply FYM/vermin compost, N, P, K at recommended dose for fruit crops
 - Undertake intercultural operations in the seasonal crop.
 - Undertake sowing of gram, potato and pea.
- **Plant Protection:**
 - Weather conditions are favourable for-
 - semi-looper in kharif crops; spray Trizophos 40 E.C. @ 2.0 ml/l for control.
 - sucking pest i.e. jassid, white fly etc. in kharif crops; spray Amydachloroprid 17.8 SL. @ 0.5 ml/l for control.
 - White fly on vegetables like chilli, brinjal and tomato, spray Rogar or Dimethoete 1 ml per litre or Metasistox 1 ml per litre or Ethophenprox 10 EC per litre per hectare in 2 ml of water.
 - boll worm cotton crops, spray Profenophos 40% EC @ 3.0 ml/l.
 - girdle beetle/leaf defoliator in soyabean, spray Quinolphos 25 or Endosulphan 35 @ 1000 ml in 500 litre of water per hectare.
 - Mealy bug on cotton, spray 2ml Prophenophos or 2 ml Quinolphos per litre of water.
 - pod borer in pigeonpea, spray Profenophos 50 EC may be sprayed @ 1.5 l/ha.
- **Animal Husbandry:** To control ticks and mite in cattle, sheep and goat, apply butox / deltox @ 4 ml / litre of water on the body in Jhabua and Dhar districts.
- Arrange vaccination for animals to protect from the disease Galgotu, Langadi and Anthrex in Sagar, Bhopal, Vidisha, Damoh, Raisen, Sehore.
- Farmers should vaccinate there animals for Khurpaka-Muhpaka disease in Jhabua and Dhar.

Chattisgarh

- **Rainfall distribution for last 5 weeks**

State/Districts	09.09.09	16.09.09	23.09.09	30.09.09	07.10.09
Chattisgarh					
Bastar	-66	-97	-77	-6	**
Bilaspur	-49	-78	-94	-89	**
Dantewara	-45	-78	-67	-50	**
Dhamtari	-97	-100	-100	-20	**
Durg	-77	-80	-100	-49	**
Janjgir	-21	-93	-71	-58	**
Jashpurnagar	-49	-80	-79	-67	**

Kanker	-33	-100	-100	-95	**
Korba	-65	-69	-87	-62	**
Koriya	-6	-83	-60	-73	**
Kowardna	-89	-96	-100	-43	**
Mahasumund	-81	-100	-100	-24	**
Raigarh	-31	-92	-57	-70	**
Raipur	-64	-86	-98	-54	**
Rajandgaon	-50	-84	-98	-69	**
Surguja	-37	-97	-100	-78	**

- **Rainfall Forecast:** Rain/thundershower at isolated places during next 24 hours and mainly dry weather there after.
- **Major Kharif Crops:** Rice, soybean, maize, sesamum, tur.
- **Crop Stage:** tillering/panicle initiation (rice), tasseling/cob formation (maize), pod formation/maturity (pulse crops)
- **Crop Condition:** Good
- **Advisory:** Where maize is at tasseling stage farmers are advised to apply top dressing last dose of nitrogen.
 - Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides in early sown crops.
- **Major Seasonal Crop with stage:** Sugarcane (vegetative), vegetables (flowering / fruiting / harvesting),
- **Crop Condition:** Good
- **Advisory:** Prepare the land for sowing niger, horsegram, linseed and toria
 - Present weather conditions are suitable for the nursery sowing of vegetables like brinjal, tomato, chilli etc.
 - Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides in early sown crops.
 - Undertake sowing of linseed, toria, early potato and early pea, gram.
- **Plant protection:** Weather conditions are favourable for the incidences of
 - leaf folder in arhar, farmers are advised to spray chlorpyriphos @ 2 ml/litre of water.
 - Diamond Back Moth. spray carup hydrochloride or Fipronil.
 - Yellow vein mosaic in Okra, spray confidor.
 - Attack of cashew, stem and root borer, spray Metarhizium anicopli (fungicide) should be used @ 250 gms. + FYM @ 0.5 kg./ tree.