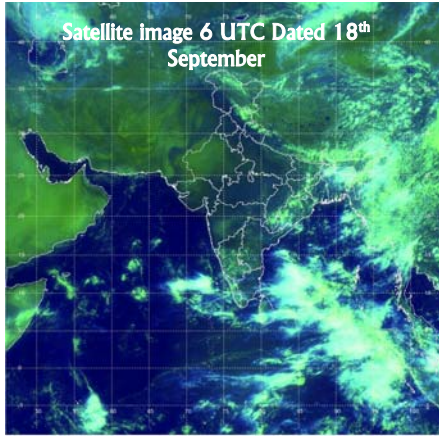




National Agromet Advisory Bulletin

Thursday, 17th September, 2009
(For the period 17th to 21st September, 2009)



Rainfall Forecast valid upto 1430 hours IST of 20th September, 2009

- **Many Places:** Sub Himalayan West Bengal, Sikkim, North East India, Kerala, Lakshadweep and Andaman & Nicobar Islands. ,
- **Few Places:** Gangetic West Bengal, Bihar, coastal Orissa, Karnataka and Tamilnadu
- **Isolated Places:** Uttarakhand, Jammu & Kashmir, Himachal Pradesh, Jharkhand, remaining parts of Orissa, Andhra Pradesh, Pondicherry, south Konkan & Goa and south Madhya Maharashtra.
- **Mainly dry Weather:** New Delhi, Haryana, Punjab, Uttar Pradesh, Rajasthan, North Konkan, North Madhya Maharashtra, Marathwada and Central India

Warning (for next 48 hours)

Isolated heavy rainfall is likely over Sub-Himalayan West Bengal & Sikkim, northeastern States, Kerala, Lakshadweep and Andaman & Nicobar Islands.

Advisories for irrigation

- As rain/thundershowers is likely at many places along with isolated heavy rainfall over Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh, NMM&T, Assam, Meghalaya, Kerala and Andaman & Nicobar Islands, postpone irrigation, intercultural operations and application of fertilizers and pesticides to the standing crops. Provide adequate drainage facilities in the above states to avoid water logging due to heavy rainfall.
- Farmers in Himachal Pradesh, Haryana, Uttarakhand and South Interior Karnataka are advised not to apply irrigation to the standing crops as there was excess rainfall during last week. Also arrange to provide adequate drainage facilities, if required.
- As there was no significant rain in Chhattisgarh, West Rajasthan, Sautrashtra & Kutch during last week and no significant rain is likely to occur for next five days, farmers are advised to apply irrigation to the standing crops.

Advisories for sowing

- Prepare the field for sowing of early peas and leafy vegetables utilizing the realized rainfall in Himachal Pradesh and Uttarakhand.
- Farmers in Haryana, Jammu & Kashmir and Uttar Pradesh are advised to complete sowing of toria utilizing the realized rainfall.

Advisories for pest and disease

- Weather conditions are favourable for the incidence of pests and diseases in the following States:
 - Hispa in rice in Himachal Pradesh
 - American bollworm in cotton in Punjab.
 - Bacterial blight in guar in Haryana.
 - Downy mildew in cucurbitaceous crops in Delhi.
- Monitor the crops for the pests and diseases and 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

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

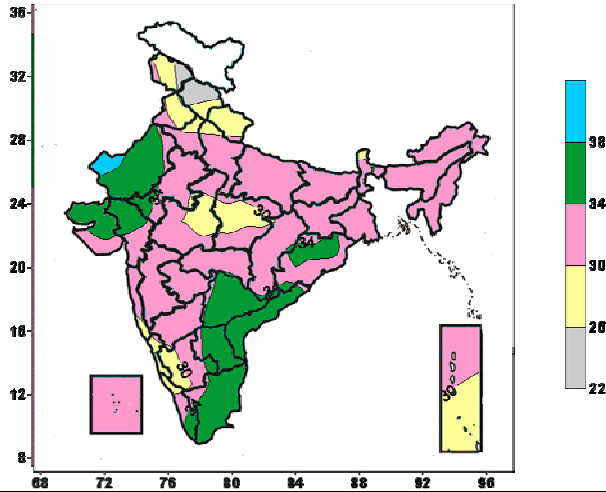
Sub-division	Cumulative Rainfall for the period									
	19 th August		26 th August		3 rd September		10 th September		17 th September	
	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.	Normal (mm)	Dep.
A & N Islands	95.0	-92	87	84	94.7	12	107.0	-38	85.6	-47
Arunachal Pradesh	95.3	85	92.4	31	79.5	-57	79.4	-85	114.5	-64
Assam and Meghalaya	95.1	123	114.1	-33	77.8	-41	80.4	-74	97.6	-61
NMMT	75.2	-32	70.6	43	61.5	-9	53.2	-31	57.9	-11
SH West Bengal & Sikkim	98.6	126	116.5	10	91.6	-48	95.4	-45	112.9	-75
Gangetic West Bengal	70.0	-4	64.5	14	73.0	-37	66.1	229	65.2	-80
Orissa	89.0	-33	68.8	67	70.3	-7	68.8	13	70.1	-89
Jharkhand	72.2	34	67.5	12	63.5	-8	66.2	180	66.8	-67
Bihar	62.0	92	77.2	-1	54.0	-25	56.7	46	68.5	-63
East Uttar Pradesh	72.3	58	65.2	-66	57.4	-48	49.9	44	68.1	-21
West Uttar Pradesh	73.7	89	56.6	-91	51.5	-42	40.0	35	49.0	19
Uttarakhand	106.3	17	86.8	-74	72.3	-52	60.0	68	59.9	33
Haryana, Chandigarh & Delhi	42.7	-44	35	-78	27.3	-10	24.3	-35	23.4	405
Punjab	41.7	-49	30.5	-79	26.2	85	29.9	-42	21.2	32
Himachal Pradesh	62.7	-36	52.2	-92	40.8	31	37.4	84	32.7	142
J & K	36.4	-26	28.9	-52	29.2	-60	25.6	28	20.5	-74
West Rajasthan	22.5	-70	21.8	-74	17.2	22	16.7	-57	8.5	-93
East Rajasthan	56.6	8	53.2	-82	45.1	24	37.6	-20	25.0	-16
West M. P.	73.5	-31	62.4	-57	64.9	24	58.2	24	45.3	-41
East M. P.	94.2	-24	73.6	-57	67.5	14	69.3	63	60.7	-30
Gujarat region	66.5	-93	51.7	-74	62.7	88	52.3	-1	34.4	-99
Saurashtra & Kutch	31.2	-91	17.7	-98	29.0	262	22.9	-86	18.9	-95
Konkan and Goa	169.2	-70	132.8	-21	113.2	12	101.1	115	64.4	-39
Madhya Maharashtra	41.2	-61	30.7	220	34.0	-0	29.6	122	29.2	2
Marathwada	43.8	-75	47.2	176	47.1	-15	42.2	101	34.1	-58
Vidarbha	66.6	-72	60.8	52	59.2	10	56.6	-18	41.6	-88
Chhattisgarh	92.9	-51	78.6	11	68.6	-14	70.0	-52	67.3	-89
Coastal A. P.	34.8	41	35.4	17	36.1	49	34.3	-47	31.1	-21
Telangana	53.6	-54	46	82	45.2	79	42.3	-1	34.7	-77
Rayalseema	19.8	161	23.5	129	25.1	88	22.5	-57	26.8	27
TamilNadu & Pondicherry	18.6	218	23.2	-37	25.2	-39	19.2	-40	26.6	10
Coastal Karnataka	189.6	-65	146.9	14	87.7	100	90.2	183	64.5	-38
N. I. Karnataka	26.4	37	24.9	269	25.7	97	24.1	57	29.7	-12
S. I. Karnataka	40.2	67	32.7	101	25.6	34	21.4	132	26.6	120
Kerala	111.7	-58	93.4	-2	58.5	30	58.1	126	51.8	-75
Lakshadweep	49.8	-12	49.5	101	38.2	51	27.3	150	44.8	-94

The subdivisions like Assam & Meghalaya, Jammu & Kashmir, West Rajasthan, Saurashtra & Kutch, received scanty / deficient rain in 4 out of last 5 weeks; Andaman & Nicobar Islands, Arunachal Pradesh, SH West Bengal & Sikkim, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Madhya Pradesh, Gujarat region, Konkan & Goa, Chhattisgarh and TamilNadu & Pondicherry 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.

	(20% or more) excess rainfall		(-60 to -99 %) scanty rainfall
	(-19 to +19%) normal rainfall		(-100%) no rainfall
	(-20 to -59%) deficient rainfall		Data not available

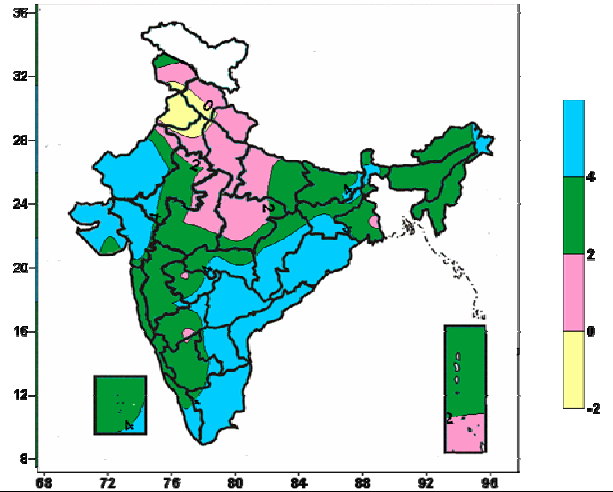
Contour maps for the week ending 16.09.09

Actual Mean Maximum Temperature (°C) in India for the week ending 16.9.09



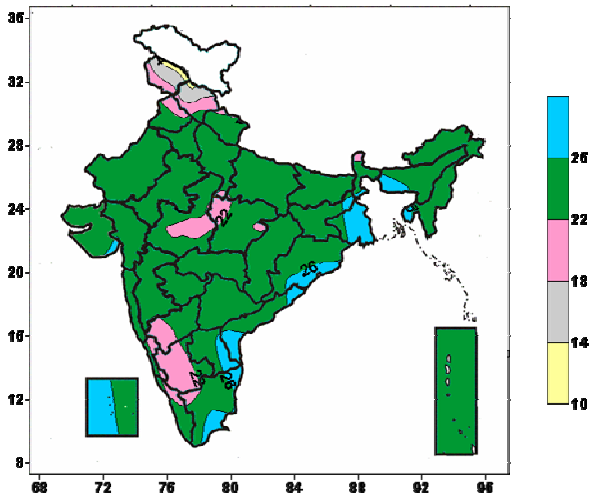
Actual Mean Maximum temperature ranged between 38⁰C and above over some parts of West Rajasthan, 34 to 38⁰C over most parts of West Rajasthan, Gujarat, Saurashtra & Kutch, Andhra Pradesh, Tamil Nadu, some parts of East Rajasthan, Orissa, Chattisgarh, Kerala, 26 to 30⁰C over most parts of Punjab, Uttarakhand, Sikkim, Coastal Karnataka, Andaman & Nicobar Island, some parts of Jammu & Kashmir, Himachal Pradesh, Haryana, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Kerala, South Interior Karnataka, Konkan & Goa, 22 to 26⁰C over some parts of Jammu & Kashmir, Himachal Pradesh, 30 to 34⁰C over remaining parts of the country.

Maximum Temperature (°C) Anomaly in India for the week ending 16.9.09



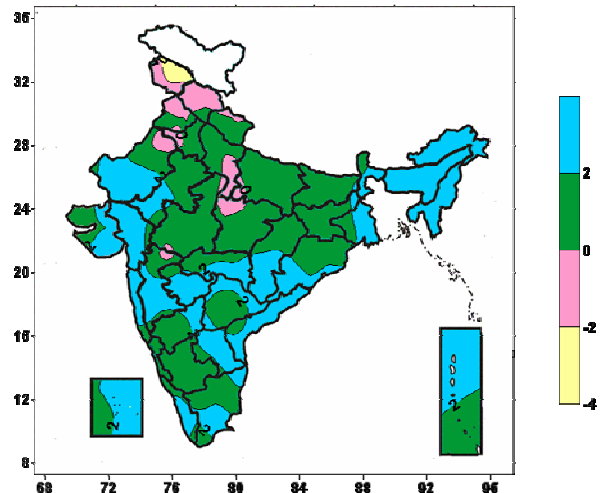
Actual Mean Maximum temperature anomaly ranged between 4⁰C and above over most parts of West Rajasthan, Saurashtra & Kutch, Gujarat, Orissa, Chattisgarh, Andhra Pradesh, Tamil Nadu, some parts of East Rajasthan, Bihar, Jharkhand, Sub-Himalayan West Bengal, Arunachal Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, South & North Interior Karnataka, Kerala, Lakshdweep Islands, 0 to 2⁰C most parts of Uttarakhand, Uttar Pradesh, Madhya Pradesh, some parts of Jammu & Kashmir, Himachal Pradesh, Haryana, Delhi, Rajasthan, Gangetic West Bengal, Interior Karnataka, Marathwada, Andaman & Nicobar Island, -2 to 0⁰C over most parts of Punjab, some parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Haryana, 2 to 4⁰C over remaining parts of the country.

Actual Mean Minimum Temperature (°C) in India for the week ending 16.9.09



Actual Mean Minimum Temperature ranged between 26⁰C and above over most parts of Gangetic West Bengal, some parts of Saurashtra & Kutch, Jharkhand, Assam & Meghalaya, Tripura, Orissa, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Lakshadweep Islands, 18⁰C to 22⁰C over most parts of South Interior Karnataka, some parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Sikkim, Madhya Pradesh, Kerala,

Minimum Temperature (°C) Anomaly in India for the week ending 16.9.09

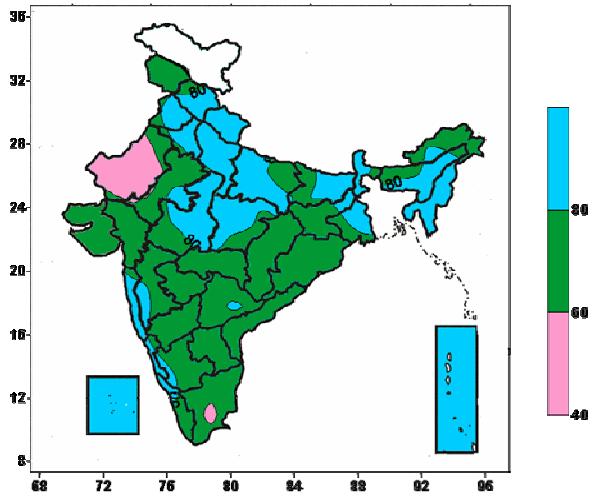


Minimum Temperature anomaly ranged between 2⁰C and above over most parts of North East India, West Bengal, Rajasthan, Maharashtra, Gujarat, Saurashtra & Kutch, Andhra Pradesh, Kerala, Lakshadweep, Andaman & Nicobar Islands, some parts of Bihar, Jharkhand, Orissa, Chattisgarh, North Interior Karnataka, Tamil Nadu, -2 to 0⁰C over most parts of Himachal Pradesh, Some parts of Jammu & Kashmir, Uttarakhand, West Rajasthan, Punjab,

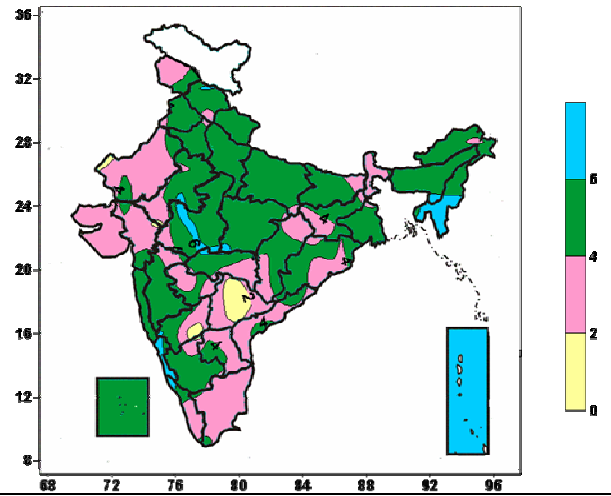
Coastal & North Interior Karnataka Tamil Nadu, 14°C to 18°C over some parts of Jammu & Kashmir, Himachal Pradesh, 10°C to 14°C over some parts of Jammu & Kashmir, Himachal Pradesh, 22°C to 26°C over remaining parts of the country.

Haryana, Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, -4 to -2°C over most parts of Jammu & Kashmir, 0 to 2°C over remaining parts of the Country.

Relative Humidity (%) over India for the week ending 16.9.09



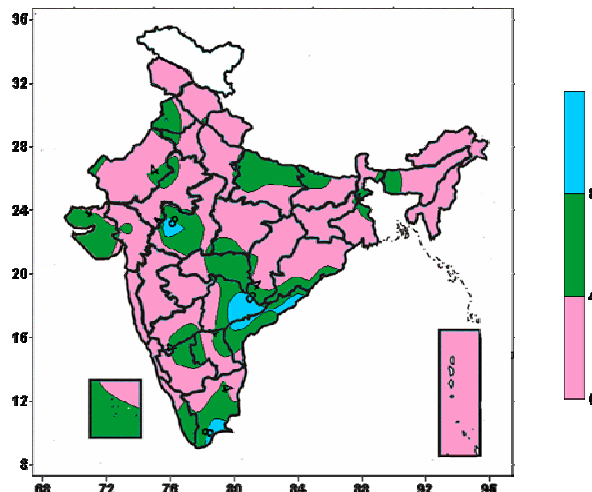
Cloud amount (okta) over India for the week ending 16.9.09



Relative humidity more than 80% over most parts of Himachal Pradesh, Uttarakhand, Haryana, Punjab, Delhi, Uttar Pradesh, Bihar, West Bengal & Sikkim, Assam, Nagaland, Manipur, Mizoram, Tripura, Konkan & Goa, Madhya Pradesh, Coastal Karnataka, Lakshadweep, Andaman & Nicobar Islands, some parts of East Rajasthan, Jharkhand, Arunachal Pradesh, Madhya Maharashtra, Telengana, Kerala, South Interior Karnataka, 40 to 60% over most parts of West Rajasthan, some parts of Tamil Nadu, 60 to 80% over remaining parts of the country.

Cloud amount 6 okta and above over most parts of Mizoram, Coastal Karnataka, Andaman & Nicobar Islands, some parts of East Rajasthan, Assam, Manipur, Tripura, Madhya Pradesh, Vidarbha, Kerala, 2 to 4 okta over most parts of Jammu & Kashmir, Sub-Himalayan West Bengal & Sikkim, West Rajasthan, Gujarat, Saurashtra & kutch, Andhra Pradesh, Tamil Nadu, Kerala, some parts of Himachal Pradesh, Punjab, Haryana, East Rajasthan, Bihar, Jharkhand, Gangetic West Bengal, Arunachal Pradesh, Orissa, Chattisgarh, West Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Interior Karnataka, 0 to 2 okta over some parts of West Rajasthan, Telangana, North Interior Karnataka, 4 to 6 okta over remaining parts of the country.

Wind speed (knots) over India for the week ending 16.9.09



Wind speed ranged between 8 knots and above over most parts of some parts of West Madhya Pradesh, Telangana, Coastal Andhra Pradesh, Tamil Nadu, 4 to 8 knots over most parts of Punjab, East Uttar Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Telangana, Coastal Andhra Pradesh, South Kerala, Tamil Nadu, Lakshadweep Island, some parts of Haryana, Rajasthan, Bihar, West Bengal, Orissa, Assam & Meghalaya, Gujarat, Rayalaseema, Interior Karnataka, 0 to 4 knots over remaining parts of the country.

Zonewise Agromet Advisories

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

Himachal Pradesh_C

- **Realised Rainfall:** The state received normal/excess rainfall except Chamba, Kangra, Una districts, which received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Himachal Pradesh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
Distribution of rainfall for districts of the state for last five weeks					
Bilaspur	5	-81	50	37	160
Chamba	-89	-98	-78	86	-100
Hamirpur	-13	-92	121	71	85
Kangra	-58	-82	56	20	-68
Kinnaur	-61	-98	83	735	408
Kullu	98	-82	195	103	447
Lahaul and Spiti	-27	-98	3	124	-9
Mandi	-18	-99	19	-1	217
Shimla	-16	-98	33	90	590
Sirmaur	-70	-95	-35	93	267
Solan	-54	-83	40	32	477
Una	22	-99	273	-14	-41

- **Rainfall Forecast:** Rain/thundershowers at isolated places likely over Himachal Pradesh
- **Major Kharif Crops:** Rice, Vegetables
- **Crop Stage:** Maize(silking), vegetables(early vegetative), rice(tillering)
- **Crop Condition:** Good.
- **Advisory:**
 - Rice crop is at tillering stage. To maintain desired depth of water in rice, direct excess runoff from other fields to rice crop. If possible, top dress with N as urea.
 - Prepare the field for sowing of early peas, leafy vegetables and raddish as the weather is favourable for early sowing.
 - Transplanting solanaceous vegetable crops may be taken up.
 - Postpone irrigation to the standing crops as there was sufficient rainfall during last week.
 - **Major Seasonal Crop:** Fruit crops, Flower crops and Vegetables
 - It is optimum time for sowing of early peas (Mater ageta-6) in field.
 - It is optimum time for new plantation of tea plants or filling of gaps with new plants.
 - Undertake weeding, intercultural operations and top dressing of fertilizers.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - Hispa in rice, for control spray metacid 50 EC 1m per litres of water.
 - red spider mites in carnation, for control spray cypermethrin or nuvacron @0.05%.

Uttarakhand_C

Realised Rainfall: The state received normal/excess rainfall except Garhwal Pauri, Rudraprayag districts, which received deficient rainfall during last week.

- **Rainfall distribution for last 5 weeks**

UttaraKhand					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Rudraprayag	-60	-78	-58	-25	-52
Distribution of rainfall for remaining districts of the state for last five weeks					
Almora	-16	-83	-89	189	95
Chamoli	-53	-44	-19	118	45
Champawat	224	-100	-88	-50	178

Dehradun	-59	-72	-55	-53	54
Garhwal Pauri	-95	-100	-87	65	-42
Garhwal Tehri	-79	-98	-94	68	33
Haridwar	78	-100	-64	0	310
Nainital	169	-86	-78	12	84
Pithorgarh	118	-49	-36	102	31
Udham Sing Nagar	74	-93	-92	60	5
Uttarkashi	-8	-67	-1	147	-12

- **Rainfall Forecast:** Isolated rain/thundershowers over Uttarakhand.
- **Major Kharif Crops:** Rice, Soyabean, Groundnut, Tur, mung, sesame.
- **Crop Stage:** Rice(panicle initiation stage), pulses, oilseeds(vegetative/flowering)
- **Crop Condition:** Good
- **Advisory:**
 - In the late sown rice crop, top dressing of Urea may be continued.
 - Postpone irrigation to the standing crops as there was sufficient rainfall in the State during last week.
 - Undertake field preparation for sowing of mustard, toria, pea and radish.
 - **Major Seasonal Crop with stage:** Sugarcane ratoon (early vegetative), cabbage, garlic, tomato (vegetative), French bean (early vegetative).
- **Crop Condition:** Good
- **Advisory:** Apply 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.
 - Continue transplanting of seasonal grasses for fodder to animals. Select local varieties of grasses in bare fields.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - khaira disease in rice in valleys, if appears in the crop under irrigation, farmers are advised to spray the solution of 5 kg zink sulphate and 20 kg urea in 1000 litre of water/ hectare for control of the said disease.

Animal: Give balanced feed to milking animals and clean properly their place of sitting in this rainy season.

Punjab_C

- **Realised Rainfall:** 10 districts received normal/excess rainfall except few districts like Amritsar, Fatehgarh Saheb, Gurdaspur, Hoshiarpur, Muktesar, Sangrur, which received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Punjab					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Fatehgarh Saheb	-81	-100	-63	-91	-70
2 weeks continuously deficient to no rain					
Amritsar	-52	-72	14	-30	-85
Gurdaspur	-14	-96	10	-69	-97
Muktesar	-81	-38	89	-78	-89
Sangrur	-97	-84	50	-26	-37
Distribution of rainfall for remaining districts of the state for last five weeks					
Bhatinda	-92	-69	116	-1	15
Faridkot	-100	-100	0	-38	47
Ferozpur	-80	-97	159	-88	66
Hoshiarpur	-62	-91	104	-3	-85
Jalandhar	27	-39	149	-39	8
Kapurthala	-65	-86	779	48	65
Ludhiana	-46	-55	38	-65	39
Moga	-62	-100	374	-89	104

Nawashahar	-9	-91	14	-34	19
Patiala	-13	-66	177	-68	334
Ropar	-20	-88	-79	51	212

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, maize, guar, til, urd, bajra, cowpea, cotton
- **Crop Stage:** Rice(booting), pulses(vegetative), cotton, soybean(flowering), maize(tasselling/silking)
- **Crop Condition:** Rice crop is in satisfactory condition.
- **Advisory:**
 - Undertake weeding, intercultural operations and application of fertilizers.
 - As there was sufficient rainfall in most of the districts in the State during last week except few districts like Amritsar, Fatehgarh Saheb, Gurdaspur, Hoshiarpur, Muktesar, Sangrur, postpone irrigation to the standing crops. Apply irrigation in the above mentioned districts.
- **Major Seasonal Crop with stage:** Sugarcane and Vegetables
- **Advisory:** Undertake weeding, intercultural operations in sugarcane and cotton.
 - Continue sowing of desi varieties of radish (Punjab Pasand & Punjab Safed), turnip (L-1 & 4-white) and carrot (No. 29 PC-34 and Sel. 21), pea, potato and palak (Punjab Green) and transplanting of cauliflower and sowing of late season varieties of cauliflower i.e. Snow-Ball-16, Pusa Snow ball 1 & Pusa Snow ball K-1 may be continued.
 - This is suitable time for planting of evergreen fruit plants like sweet orange, mandarin, lime, lemon, guava and ber.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - american bollworm in cotton, spray Acephate 75 SP @ 800 g or Chlorpyrifos 20 EC @ 2 litres per acre.
 - **Animal Husbandry:** To check tick infection spray Asuntol 0.05%, Butox 0.02% and Tactic 0.02% on the animals as well as in the sheds and repeat the spray after 10-15 days. Keep the animal sheds and surroundings clean to keep the fly population under control. Animals usually lose weight after calving. So follow practices of good management and balanced feeding e.g. good quality green fodder, balanced feed and mineral mixture.

Haryana_c

- **Realised Rainfall:** Almost all the districts of the state received excess rainfall except Sirsa district received deficient rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Haryana					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
Distribution of rainfall for districts of the state for last five weeks					
Ambala	-14	-93	118	-17	686
Bhiwani	-85	-33	-25	-82	325
Chandigarh	-47	-98	227	-50	229
Faridabad	71	-74	28	-15	153
Fatehabad	-88	-48	29	-100	111
Gurgaon	-16	-55	-29	38	489
Hissar	-82	-100	78	-74	435
Jhajar	-53	-83	63	-82	841
Jind	-87	-58	-38	-94	781
Katihah	-89	-86	-86	-100	3
Karnal	-24	-92	-51	86	719
Kurukshetra	-71	-94	-48	-76	324
Mahendragarh	-25	-74	7	-84	318
Panchkkula	-72	-96	5	-81	195
Panipat	-57	-93	-79	-84	650
Rewari	-83	-80	-43	-96	468
Rohtak	-60	-92	-55	-64	330
Sirsa	-78	-83	-69	36	-26

Sonepat	-75	-96	0	-4	911
Yamunanagar	64	-98	-10	20	487

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, maize, guar, cotton
- **Crop Stage:** Rice(tillering), pulses, bajra (vegetative)
- **Crop Condition:** Satisfactory
- **Advisory:** The stagnated water due to excess rainfall in cotton and other field crops except rice should be drained out.
- Farmers are advised to complete sowing of toria crop. Select varieties like Sangam, TL 15 and TH 68, TL 15 & TH 68
- **Major Seasonal Crop with stage:** Spring sugarcane (early vegetative/vegetative), vegetable crops (vegetative), cotton (early vegetative) and berseem (vegetative)
- **Crop Condition:** Good
- **Advisory:**
 - 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 Straptocyclin in 200 liters of water per acre.

Delhi_C

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

State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
Distribution of rainfall for districts of the state for last five weeks					
New Delhi	-12	-46	-10	35	288

- **Rainfall Forecast:** dry weather.
- **Major Kharif Crops:** vegetables and rice
- **Crop Stage:** vegetative/tillering
- **Crop Condition: Satisfactory**
 - **Advisory:** As there was excess rainfall during last week, farmers are advised to postpone irrigation to the standing crops
 - Proper drainage should be made to avoid water logging in maize and all pulse crops.

Plant protection:

- In paddy, due to heavy rains in last week, there may be attack of pest. Use of Trichocard is advised to manage stem borer. Spraying without proper diagnosis of pests and diseases should be highly discouraged.
- Due to heavy rain during last week and clear sky in this week, farmers are advised to closely monitor cucurbitaceous crops against attack of viral diseases in crops. When symptom is observed uprooting and burying of infected plant and spraying of systemic insecticide (Malathion, Metasystox or Imidacloprid) at recommended doses is advised.
- Due to high moisture in the soil, there may be chances of attack of downy mildew in cucurbitaceous crops. Symptoms of downy mildew are circular yellowish spots on older leaves. These spots coalesce together and form large coffee brown colour spots. If infection level is high spraying of Redomil @ 2.5 g per litre of water at 10-12 days interval is advised.

- Present weather conditions are highly favourable for infection of blast disease in rice. Monitoring at 2-3 days interval is advised. Early symptoms include development of eye shaped spot on the leaf and leaf sheath with light centre and dark boundaries. At a later stage these spots coalesce to form big spots. If the infection level is high spraying of Carbandizim @ 0.1 gm per litre of water on a clear day is advised.
- Drenching of vegetable nursery with Mancozeb @ 2 grams per litre of water is advised to control damping off
- **Crop Condition:** Good
- **Advisory:** Keeping in view of last weeks' rain sowing of pea, mustard (for leafy vegetable), radish, carrot and spinach can be done. Farmers are also advised to undertake planting of early potato.
- Under the present weather situations, nursery preparation for cauliflower, cabbage and broccoli can be done in raised-bed. Farmers having mature seedlings are advised to go for raised-bed transplanting.
- During this week farmers may undertake sowing of baby or sweet corn.

Uttar Pradesh_C

- **Realised Rainfall:** 13 districts of East Uttar Pradesh and 15 districts of West Uttar Pradesh received normal/excess rainfall; remaining districts received deficient/ scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Uttar Pradesh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
East Uttar Pradesh					
Gonda	234	-44	-20	-37	-53
Kanpur Dehat	35	-97	-48	-26	-26
Kushi nagar	-45	-87	-85	-59	-92
Maharajganj	-39	-85	-73	-90	-85
West Uttar Pradesh					
Mahamaya Nagar	-44	-58	-31	-43	-86
2 weeks continuously deficient to no rain					
East Uttar Pradesh					
Gorakhpur	35	-70	10	-28	-47
West Uttar Pradesh					
Aligarh	19	-75	22	-28	-77
Firozabad	-20	-100	39	-46	-46
Distribution of rainfall for remaining districts of the state for last five weeks					
East Uttar Pradesh					
Allahabad	-58	-90	-67	231	-58
Ambedkar Nagar	383	-84	-58	46	-85
Azamgarh	148	-51	-24	134	-59
Bahraich	214	-27	-5	87	-19
Ballia	-79	-44	-79	-6	-64
Balrampur	52	-87	-35	-16	-19
Banda	63	-86	-4	89	28
Barabanki	23	-7	-59	39	13
Basti	97	-17	15	25	-59
Deoria	-56	-47	-48	64	-57
Faizabad	216	-15	-17	44	-21
Farrukhabad	99	-91	-96	125	-61
Fatehpur	11	-98	-41	-9	24
Gazipur	81	-10	25	167	-65

Hardoi	117	-55	-80	71	28
Jaunpur	24	-74	-44	74	-59
Kanpur City	38	-87	-63	-78	82
Kheri	186	-42	-42	123	92
Lucknow	126	-70	-84	154	126
Mau	8	-85	-75	-18	-61
Mirzapur	-67	-99	-70	118	-87
Pratapgarh	-27	-94	-64	53	-77
RaiBareilly	2	-97	-78	-16	-50
Sant Ravidas Nagar	-44	-100	-11	154	-99
Shrawasti	119	21	-80	71	2
Sidharthnagar	163	-89	-34	-48	-13
Sitapur	146	-8	-77	35	118
Sonbhadra	-61	-92	-51	24	-97
Sultanpur	53	-82	-56	-12	-52
Unnao	48	-92	-87	8	171
Varanasi	6	-98	-66	33	-98
West Uttar Pradesh					
Agra	-6	-99	-67	22	-18
Auraiya	128	-100	-60	64	-27
Badaun	256	-94	-22	78	-22
Baghpat	-45	-97	43	167	234
Bareilly	382	-87	-77	57	105
Bijnor	175	-99	-85	7	203
Bulandsahar	103	-95	-17	163	-57
Etah	12	-89	-68	66	-84
Etawah	**	-83	-63	52	13
Ghaziabad	-50	-100	-76	-43	-56
Hamirpur	63	-68	27	31	-5
Jalaun	11	-94	-16	117	-47
Jhansi	68	-95	-43	8	-84
Jotirba Phule Nagar	167	-100	-92	-7	8
Lalitpur	26	-97	-6	8	-23
Mainpuri	110	-96	-26	105	-45
Mathura	90	-89	-9	-47	91
Meerut	-88	-100	-51	-85	-6
Moradabad	111	-92	-85	157	28
Muzzaffarnagar	-91	-91	-58	-52	60
Pilibhit	177	-96	-95	95	126
Rampur	71	-99	-91	45	43
Saharanpur	191	-92	9	-57	216
Shahjahanpur	198	-73	-84	80	138

- **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(tillering), groundnut, urd, mung and vegetables(early vegetative/vegetative), maize(tasselling)
- **Crop Condition:**
- **East UP:** Satisfactory
- **West UP:** Satisfactory
- **Advisories:**
 - As there was no significant rainfall in Gonda, Kanpur Dehat, Kushi nagar, Maharajganj and Mahamaya Nagar during previous weeks, apply irrigation to the standing crops.
 - Undertake weeding, intercultural operations and top dressing.
 - Take up sowing of fodder bajra and toria.
 - **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 menthe.
 - **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_C

- **Realised Rainfall:** Almost all the districts received insufficient rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Jammu & Kashmir					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Jammu	-68	-65	-95	-46	-100
Kathua	-93	-98	-59	-61	-100
Udhampur	19	-64	-89	-25	-60
2 weeks continuously deficient to no rain					
Ladakh(Leh)	-100	-100	15	-92	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
Anantnag	90	-19	-43	146	-94
Doda	-6	19	-17	118	-92
Kupwara	-76	-83	-89	449	-4
North Baramula	-95	-46	7	39	55
Pulwama	-64	-64	-84	47	-100
Srinagar	-68	-52	-49	85	-85

- **Rainfall Forecast:** Rain/thundershowers at isolated places over the state.
- **Major Kharif Crops:** Rice, maize, vegetables
- **Crop Stage:** panicle initiation/flowering (rice); flowering/pod formation (pulses); tasseling (maize)
- **Crop Condition:** Crop condition improved due to recent rainfall.
- **Advisory:** Apply 1/3 dose of N in late transplanting rice.
- Take up hoeing and weeding in pearl millet, kharif pulses, oilseed and maize crops.
- Take up timely harvest of blackgram and greengram.
- Irrigate the late transplanted rice crop if crop is at flowering stage.
- Due to prevalence of dry period irrigate the late sown maize crop if crop is at tassel stage.
- Harvesting of matured pods from moong crop can be done during these days.
- **Major Seasonal Crop with stage:** Vegetables (vegetative/flowering/fruitletting)
- **Crop Condition:** Good.
- **Advisory:** Conserve moisture by taking up 2 to 3 ploughings followed by planking to maintain sufficient moisture for rabi cropping.
- Complete sowing of toria (RSPT-1, RSPT-2, RSPR-3) & gobi sarson (GSS-1) crop without any further delay. Apply whole quantity of P and K & ½ N at time of sowing. Due to prevalence of dry spell farmers are advised to conserve the soil moisture in situ condition.
- Sowing of berseem (mascavi, pusa giant, BL-1) crop can be done during these days.
- Vegetable Crop: Sowing of vegetables crops like radish (pusa chetki, Japanese white & pusa reshmi), carrot (pusa kesar), turnip (var. TWG), garlic (var.local, large segmented), spinach (prickly seeded) and methi (P.E.B.K. methi) can be done during these days.
- Horticulture crops: The temperature is favorable for planting of litchi crop during this period.
- **Plant protection:** The present weather is favorable for bacterial leaf blight in rice crop; under such situations farmers are advised to drain out old water and apply fresh water to the crop after four days and also delay the nitrogen application or spray the crop with Streptocycline@ 100gm + Copper Oxychloride@ 500gm in 500 litre of water when symptoms are appears in the crop.

- In intermediate lower hills, rogue out the smutted heads and destroy them by burning or burying. To manage leaf blight, head smut and stalk rot, clean cultivation should be followed. As soon as the disease appears, uproot the affected plants and destroy them by deep burying and spray the crop with zineb (0.25 %).

Rajasthan

- Realised Rainfall:** West Rajasthan received scanty rainfall, 15 districts of East Rajasthan received deficient/scanty rainfall and remaining districts of East Rajasthan received normal/excess rainfall during last week.
- Rainfall distribution for last 5 weeks**

Rajasthan					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
East Rajasthan					
Ajmer	-29	-97	-32	-48	-86
Jaipur	51	-83	-51	-21	-26
Sikar	-5	-40	-80	-58	-75
Tonk	-6	-100	-30	-48	-58
West Rajasthan					
Churu	**	-47	-53	-91	-63
Jalore	-100	-100	-37	-95	-100
Nagaur	-51	-61	-61	-58	-98
Pali	-59	-61	-27	-91	-100
2 weeks continuously deficient to no rain					
East Rajasthan					
Bhilwara	-60	-90	7	-67	-99
Bundi	-11	-98	2	-59	-64
Kota	-8	-89	-16	-60	-45
Rajsamand	-31	-92	19	-90	-100
Sawai Madhopur	44	-100	1	-32	-56
Sirohi	-87	-56	5	-29	-100
Udaipur	-12	-86	125	-56	-79
West Rajasthan					
Barmer	-100	-100	110	-58	-100
Bikaner	-90	-88	49	-65	-100
Jaisalmer	-100	-91	125	-44	-100
Jodhpur	-93	-97	19	-52	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
East Rajasthan					
Alwar	98	-38	-23	-19	269
Banswara	-71	-81	147	120	-94
Baran	128	-89	-5	-22	96
Bharatpur	125	-73	-51	-41	199
Chittorgarh	-40	-71	97	8	-99
Dausa	43	-94	8	35	-47
Dholpur	32	-93	-49	-4	-4
Dungarpur	-79	-83	295	36	-100
Jhalawar	-46	-89	-13	13	34
Jhunjhunu	43	-52	-77	25	9
Karauli	134	-100	14	47	-19
West Rajasthan					
Hanumangarh	53	47	44	62	-61
Sri Ganganagar	-67	-48	108	90	-100

- Rainfall Forecast:** Rain/thundershowers at most places during next 48 hours and decrease thereafter along with heavy to very heavy rainfall at isolated places over East Rajasthan; Isolated rain/thundershowers over west Rajasthan.

- **Major Kharif Crops:**
- **East Rajasthan:** Cowpea, bajra, maize
- **West Rajasthan:** Pearl millet, sorghum, maize, cluster bean, Sesamum, Pigeonpea, Groundnut
- **Crop Stage:** vegetative/tillering
- **Crop Condition: Satisfactory**
- **Advisory:** Postpone irrigation, intercultural operations, application of fertilizers and pesticides in East Rajasthan.
- Carry out thinning and gap filling in timely sown crops after spells of rain.
- Take up hoeing, weeding and top dressing in maize and sorghum with application of urea after spells of rain over East Rajasthan
- **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 after spells of rain over East Rajasthan.
- 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 preparation of seed bed should be done for raising nursery of chilli and brinjal for Rabi season.
- **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
 - Undertake plant protection measures on a non rainy day over East Rajasthan.

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

Bihar_C

- **Realised Rainfall:** The state received deficient/scanty rainfall except Bhagalpur, Muzaffarpur districts, which received normal rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Bihar					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Kathihar	129	-31	-70	-63	-77
Siwan	47	-24	-50	-35	-68
3 weeks continuously deficient to no rain					
Araria	62	42	-44	-55	-94
Darbhanga	3	135	-60	-41	-31
Madhubani	66	33	-76	-33	-51
Purnea	299	49	-44	-51	-85
Saharsha	56	21	-83	-68	-67
Samstipur	35	58	-43	-23	-54
2 weeks continuously deficient to no rain					
Gopalganj	-7	31	17	-27	-75
Vaishali	18	-37	51	-46	-90
Distribution of rainfall for remaining districts of the state for last five weeks					
Aurangabad	418	43	55	354	-88
Begusarai	6	2	-27	96	-70
Bhabua	-93	-75	-100	281	-98
Bhagalpur	422	-87	61	71	1
Bhojpur	34	-86	-58	149	-73

Buxar	122	35	32	103	-73
East Champaran	88	-8	-9	-17	-52
Gaya	29	-50	-85	383	-22
Jhanabad	20	-59	-34	139	-54
Jamui	163	-4	46	141	-70
Khagadia	58	50	-51	60	-57
Madhepura	-5	36	-68	-11	-84
Monghyar	16	114	57	37	-42
Muzaffarpur	64	1	-18	37	-12
Nalanda	4	-20	-12	50	-68
Patna	1	-3	125	21	-71
Rohtas	160	0	86	165	-55
Saran	81	-47	-51	-18	-35
Supaul	43	55	-88	5	-61
West Champaran	138	-55	-65	0	-79

- **Rainfall Forecast:** Rain/thundershowers likely at a few places in the State.
- **Major Kharif Crops:** Rice, urd, sunflower, maize and pigeon pea
- **Crop Stage:** Rice(booting to flowering), maize(flowering)
- **Crop Condition:** Good
- **Advisory**
 - Those farmers who have not top dressed urea for rice are advised to apply 60kg urea per hectare on a non rainy day.
 - Start the field preparation and sowing of *rabi* crops and vegetables.
 - Complete sowing of niger during this week.
- **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
 - gundhi bug insects in rice in upland areas. Dusting of Folidol dust @ 20-25 kg per hectare is advised in the morning hours. Spray bio-mycin @ 2ml/litre of water or Tricyclazole 0.5g/litre of water if blast appears in rice.
 - Undertake spraying on a non rainy day.

Jharkhand_C

- **Realised Rainfall:** The state received deficient/scanty rainfall except Santhal Parganas district, which received normal rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Jharkhand					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Gumla	-99	-32	-57	-100	-75
2 weeks continuously deficient to no rain					
Hazaribagh	76	70	73	-73	-85
Lohardagga	-87	37	133	-100	-80
Distribution of rainfall for remaining districts of the state for last five weeks					
Bokaro	-8	105	104	296	-69
Dhanbad	-15	53	-9	378	-56

East Singbhum	-38	45	-64	190	-100
Giridih	81	5	-4	163	-25
Godda	**	-88	-60	302	-43
Koderna	43	-100	**	413	**
Pakur	**	**	**	304	**
Palamau	-49	1	-36	**	-76
Ranchi	-31	42	-2	156	-55
Sahebganj	**	**	**	242	**
Santhal Parganas	3	-20	-1	**	-11
West Singbhum	337	22	-11	212	-93

- **Rainfall Forecast:** Rain/thundershowers at isolated palces over the State.
- **Major Kharif Crops:** Maize, Arhar, Til, Ragi, Vegetables
- **Crop Stage:** Direct sown rice(tillering to panicle initiation), Maize(grain formation), other kharif crops are at vegetative stage.
- **Crop Condition:** Good
- **Advisory:**
- 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.
- **Major Seasonal Crop with stage:** Sugarcane (vegetative/grand growth),
- **Crop Condition:** Good
- **Advisory:** Farmers are advised to undertake weeding, intercultural operations in sugarcane. Undertake transplanting of brinjal, chilly, tomato utilizing the realized rainfall.
- Undertake sowing of pea, cabbage and cauliflower.

Orissa_C

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

Orissa					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
3 weeks continuously deficient to no rain					
Deogarh	-45	25	-28	-68	-92
Jharsuguda	6	-1	-80	-47	-95
Nawarangpur	-77	201	-40	-42	-92
Nayagarh	-23	108	-51	-35	-81
Sambalpur	1	43	-22	-46	-99
2 weeks continuously deficient to no rain					
Angul	-24	108	23	-23	-99
Boudh	-45	192	-12	-34	-100
Gajapati	29	64	40	-68	-49
Kalahandi	-39	99	41	-21	-100
Khurda	-29	83	0	-22	-71
Koraput	2	12	-4	-33	-61
Malkangiri	-58	-49	91	-56	-92
Nawapara	-69	144	6	-86	-100
Nawarangpur	-77	201	-40	-42	-92
Nayagarh	-23	108	-51	-35	-81
Distribution of rainfall for remaining districts of the state for last five weeks					
Balasore	-58	65	-17	270	-92
Bargarh	-94	113	-10	32	-99
Bhadrak	-21	129	-46	174	-93
Bolangir	16	94	-2	-1	-100
Cuttack	-41	162	40	57	-83
Dhenkanal	-65	70	-49	15	-94
Ganjam	-45	106	-12	1	-70
Jagatsingpur	-14	52	-50	105	-93
Jajpur	-10	134	3	100	-94

Kandhamal	43	39	-16	40	-97
Kendrapara	-66	94	-55	240	-90
Keonjhar	-55	81	54	60	-84
Mayurbhanj	-62	22	-27	114	-73
Puri	-17	29	-53	61	-90
Sonepur	-29	30	-35	86	-100
Sundargarh	-15	1	-37	5	-91

- **Rainfall Forecast:** Rain/thundershowers at a few places over coastal Orissa and isolated rain/thundershowers over the rest region.
- **Major Kharif Crops:** Rice, ragi, arhar, maize, green gram, blackgram
- **Crop Stage:** Rice(panicle initiation/flowering), Pigeonpea, groundnut and cotton(vegetative), early sown maize(silking/grain formation), green gram, blackgram(pod formation/maturity)
- **Crop Condition:** Good
- **Advisory:** Apply top dressing of nitrogen in rice on a non rainy day in coastal Orissa, if not done.
 - Complete sowing of green gram, black gram, sesame and niger, if not done. Undertake sowing of castor in the fallow uplands. Grow High Yielding varieties suitable for Orissa climate such as Aruna, Jyoti, Kranti, SA-1, and GC-2.
 - Continue sowing of niger. Grow High Yielding varieties suitable for Orissa climate such as Deomali and IGP-76.
 - Harvest the early sown black gram and green gram.
 - Undertake land preparation for sowing of pre-rabi crops like green gram, black gram, horse gram sesame, niger and castor.
- **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.
- It is now optimum time for nursery raising of tomato and brinjal up to September last. Select resistant varieties like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc.
 - **Plant Protection:** Weather conditions are favourable for stem borer, leaf folder, case worm and diseases like BLB in rice and pod borer and red and black hairy caterpillar in pulses and groundnut etc. Undertake spraying on a non rainy day in coastal Orissa.

West Bengal_C

- **Realised Rainfall:** The state received deficient/scanty rainfall except Murshidabad district, which received normal rainfall during last week.
- **Rainfall distribution for last 5 weeks:**

West Bengal					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
SHWB					
Dinajpur (S)	203	-35	-56	-99	-95
3 weeks continuously deficient to no rain					
SHWB					
Coochbehar	174	28	-89	-49	-83
Jalpaiguri	116	1	-57	-71	-76
Dinajpur (N)	336	2	-34	-78	-80
2 weeks continuously deficient to no rain					
SHWB					
Darjeeling	93	70	-10	-26	-73
Distribution of rainfall for remaining districts of the state for last five weeks					
GWB					
Bankura	62	-24	-60	318	-83
Birbhum	-4	23	-40	187	-34
Burdwan	28	23	-57	168	-81
Hooghly	31	-25	-54	193	-77
Howrah	2	-29	-70	302	-88

Midnapore	-34	42	-60	172	-91
Murshidabad	18	-24	85	347	-17
Nadia	-4	10	-58	494	-71
24 Pargana (N)	6	25	-6	230	-75
Purulia	-6	36	-26	217	-90
24 Pargana (S)	-37	13	-23	204	-95
SHWB					
Malda	216	-84	-16	43	-69

- **Rainfall Forecast:** Rain/thundershowers is likely at many places over Sub Himalayan West Bengal along with isolated heavy rainfall during next 48 hours; at a few places over Gangetic West Bengal.
- **Major Kharif Crops:** Rice, vegetables
- **Crop Stage:** tillering (rice), flowering (pulse crops), *aman* rice (panicle initiation), harvesting (aus paddy)
- **Crop Condition: Good**
- **Advisory:** As rain/thundershowers are likely at many places over Sub Himalayan West Bengal, postpone irrigation to the standing crops Arrange drainage facilities to avoid water logging in maize and all pulse crops as isolated heavy rainfall is likely during next 48 hours.
 - Undertake intercultural operations after current spells of rain over Sub Himalayan West Bengal and on a non rainy day over Gangetic West Bengal to keep the fields free from weeds.
 - Undertake top dressing of urea @ 6 kg/bigha to paddy after current spells of rain over Sub Himalayan West Bengal and on a non rainy day over Gangetic West Bengal.
 - Retting of fibres of Jute and mesta is to be completed.
 - 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 (fruiting/harvesting)
- **Crop Condition: Good**
- **Advisory:**
 - Farmers are advised to undertake sowing of early winter vegetables like cauliflower (Var: Micardo, White Barna), hybrid cabbage (Var: Green Express), Tomato (Var: Avinash 2, Rocky). High yielding varieties of coriander, palak etc. may also be sown. On medium land amaranthus, beans may be cultivated. During 1st week of sowing light irrigation may be provided in the afternoon. Sufficient amount of FYM should be incorporated in the field. If possible cultivate short duration crops like palak and coriander in the poly tunnel.
 - Farmers can also prepare for the sowing of radish and ladies finger.
- **Plant protection:**
- Incidences of fruit rot and collar rot disease is possible in brinjal due to past continuous rainfall and high humidity. To control it apply Carbendazim 12% + Mancozeb 63% @ 2 gm per litre of water.
- 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 with organic manures. Stem borer, brown leaf hopper, mite may also attack. So apply quinalphos 25 EC @1600 ml per ha, or phorate 10 G 12.5 Kg per ha or endosulphon 35 EC@ 1100 ml per ha. But heavy rainfall may also occur so apply fertilizers and pesticides according to the forecast.
- Spray chemicals after current spells of rain over Sub Himalayan West Bengal and on a non rainy day over Gangetic West Bengal.

Sikkim_C

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

State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
Sikkim	47	18	-40	-24	-64

- **Rainfall Forecast:** Rain/thundershowers at many places along with isolated heavy rainfall during next 48 hours.
- **Major Seasonal Crop with stage: Rice:** tillering/panicle initiation **Kharif Vegetables:** flowering/fruiting/harvesting; **Large Cardamom:** Capsule maturity;
- **Crop Condition: Good**

- **Advisory:** As rain/thundershowers are likely at many places, postpone irrigation to the standing crops. Arrange drainage facilities to avoid water logging as isolated heavy rainfall is likely during next 48 hours.
 - Application of fertilizers, pesticides and intercultural operations may be undertaken after 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:**
 - Chirke and Foorkey infected cardamom plants may be destroyed by uprooting and buried in the pits at regular intervals. Diseased/pest infested suckers of large cardamom may be removed and destroyed.
 - 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_C

- **Realised Rainfall:** The state received deficient/scanty rainfall except few districts like Darrang, Golaghat, Karbi Analog, Sibsagar, which received normal/excess rainfall during last week.
- **Rainfall distribution for last 5 weeks:**

Assam					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Cachar	33	-53	-44	-74	-72
Goalpara	385	-70	-74	-89	-85
Jorhat	55	-36	-80	-84	-30
Sonitpur	140	-49	-92	-59	-97
3 weeks continuously deficient to no rain					
Dhubri	205	-12	-90	-84	-76
Dibrugarh	8	-9	-28	-81	-44
East Garo Hills	921	78	-79	-88	-100
East Khasi Hills	444	49	-38	-21	-61
Kokrajhar	688	27	-69	-61	-92
Lakhimpur	114	60	-22	-68	-62
2 weeks continuously deficient to no rain					
Hailakandi	-62	-33	6	-70	-63
Kamrup	47	-15	-16	-84	-55
Morigaon	42	-73	-15	-84	-67
Nalbari	91	-15	2	-93	-91
Nowgong	-72	-90	42	-94	-58
Tinsukia	115	6	13	-83	-36
Distribution of rainfall for remaining districts of the state for last five weeks					
Barpeta	625	55	61	-15	-89
Bongaigaon	455	-17	-12	-16	-90
Darrang	17	-66	-93	-63	3
Golghat	-28	-41	-40	-68	21
Karbi Analog	148	-86	66	-100	15
Sibsagar	62	-7	-46	-74	48

- **Rainfall Forecast:** Rain/thundershowers at many places with isolated heavy rainfall over the state.
- **Major Kharif Crops:** *Sali* paddy
- **Crop Stage:** Rice(tillering)
- **Crop Condition:** Good

- **Advisory:** Apply top dressing in early sown *sali* rice after current spells of rain.
- Farmers are advised to sow early varieties of cauliflower(eg. Early Kuwari, Pusa Keteki, Pusa Dipali etc.).
- Postpone irrigation to the crops as rain/thundershowers at many places over the State. Arrange to provide drainage if there is chance of heavy rainfall.
- Collect quality seeds of toria varieties like M27, TS 36, TS 38 and TS 46 and prepare the field to sow early @10 kg/ha.
- **Major Seasonal Crop with stage:** Vegetables (vegetative / flowering / fruiting / harvesting), early *ahu* rice (tillering / panicle initiation), *Capsularis* jute (harvesting), *Oltorius* jute (harvesting), maize (tasselling) and sugarcane (vegetative)
- **Crop Condition:** Good
- **Advisory:**
- Postpone irrigation to the crops as rain/thundershowers at many places over the State.
- Seeds of cabbage, cauliflower, knolkhol, 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 after current spells of rain.

Arunachal Pradesh_C

- **Realised Rainfall:** The state received deficient/scanty rainfall during last week except Changlang district, which received normal rainfall during last week.
- **Rainfall distribution for last 5 weeks:**

Arunachal Pradesh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Lower Subansiri	-6	-59	-79	-51	-98
3 weeks continuously deficient to no rain					
East Kameng	-6	0	-54	-86	-95
East Slang	109	75	-72	-98	-93
Papumpara	271	220	-23	-85	-90
Tirap	133	36	-26	-94	-78
Upper Subansiri	250	43	-86	-93	-66
West Kameng	328	508	-23	-68	-34
2 weeks continuously deficient to no rain					
Lohit	135	4	-11	-91	-26
Distribution of rainfall for remaining districts of the state for last five weeks					
Changlang	9	-75	-93	-93	-1
Tawang	-33	-63	-23	-16	-26

- **Rainfall Forecast:** Rain/thundershowers at many places with isolated heavy rainfall over the state. Arrange to provide drainage if heavy rainfall is there.
- **Major Kharif Crops:** Jhum rice, WRC rice, millets
- **Crop Stage:** vegetative/flowering
- **Crop Condition:** Good.
- **Advisory:** Undertake weeding and intercultural operations after current spells of rain
- Harvest the matured maize crop.
- Postpone irrigation to the crops as rainfall is likely at many places in the State
- **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_C

- **Realised Rainfall:** Guntur, Krishna, Prakasam districts of Coastal Andhra Pradesh, Mehabubnagar district of Telangana, Anantpur, Chittoor, Kurnool districts of Rayalaseema received normal/excess rainfall during last week. Remaining districts received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Andhra Pradesh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
3 weeks continuously deficient to no rain					
Coastal Andhra Pradesh					
Nellore	202	-11	-83	-78	-66
Telangana					
Hyderabad	96	181	-45	-50	-29
Karimnagar	-79	39	-55	-21	-95
Nalgonda	6	100	-68	-44	-83
Rangareddy	36	384	-54	-22	-88
Rayalaseema					
Cuddapah	263	140	-92	-89	-48
2 weeks continuously deficient to no rain					
Coastal Andhra Pradesh					
East Godavari	-48	-16	-15	-33	-61
Sirkakulam	-18	1	42	-68	-37
Visakhapatnam	-30	-62	-19	-22	-65
Vizianagram	39	19	54	-62	-27
Distribution of rainfall for remaining districts of the state for last five weeks					
Coastal Andhra Pradesh					
Guntur	184	147	-86	-74	12
Krishna	14	118	-47	-48	1
Prakasam	111	-28	-87	-69	79
West Godavari	-63	-21	9	27	-26
Telangana					
Adilabad	-82	63	-66	-16	-98
Khammam	-57	24	-8	46	-85
Mehabubnagar	-37	78	-57	-6	-14
Medak	-63	115	-56	29	-93
Nizamabad	-76	79	-51	8	-92
Warangal	-67	62	-41	15	-75
Rayalaseema					
Anantapur	35	325	-84	-63	113
Chittoor	419	43	-93	-83	25
Kurnool	11	38	-81	1	2

- **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:** tillering (rice), pegging (groundnut), vegetative (cotton).
- **Crop Condition:** Satisfactory.
- **Advisory:** Undertake intercultural operations and application of urea through top dressing in finger millet.
- Application of second split of nitrogenous fertilizer (20 kg urea/acre) may be taken up after inter cultural operations in paddy crop.
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides in early sown crops.
- **Major Seasonal Crop:** Sugarcane and Vegetables
- Farmers are advised to undertake intercultural operations in sugarcane and vegetables to keep the fields weed free in Telangana.
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides.

- Farmers are advised to sow rabi redgram, rajmah, cowpea and niger crops.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - Blast, leaf folder, stem borer in paddy crop, for leaf folder spray quinolphos 2 ml/lit or monocrotophos 1.6 ml/lit of water and spray 200 litres of spray fluid per acre and for stem borer, spray Cartap hydrochloride @ 2.0 g or Phosphomidon @ 2ml/litre of water, for blast spray tricyclozole @ 6.0 g/10 litres of water.
 - Sucking pests (Mealybugs and Hoppers), jassids on cotton, for Sucking pests spray Monocrotophos or Methyldemeton and water in 1:4 ratio or Imidachlorpid 200 S.L and water in 1:20 ratio should be mixed and applied to the shoot tips with brush at 20,40,60 days after sowing and for jassids spray Dimethoate @ 2 ml or Imidacloprid @ 0.25 ml per litre of water.
 - incidence of white fly and hopper on sugarcane, spray Malathion or Endosulphan @ 2 ml per litre of water, two times at 10-15 days interval.

Animal Husbandary: Cattle and Buffaloes

- The prevailing weather conditions are congenial for the occurrence of - Foot and mouth disease, Haemorrhagic Septicemia in cattle - ET and sheep pox in sheep. To prevent the diseases, vaccinate the animals

Karnataka

- **Realized- Rainfall:** South Interior Karnataka, 5 districts of North Interior Karnataka received normal/excess rainfall; Coastal Karnataka and remaining districts of North Interior Karnataka received deficient/scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Karnataka					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
2 weeks continuously deficient to no rain					
North Interior Karnataka					
Gadag	325	208	35	-74	-20
Distribution of rainfall for remaining districts of the state for last five weeks					
Coastal Karnataka					
Dakshin Kannada	-46	18	86	190	-20
Udupi	-66	31	142	193	-40
Uttar Kannada	-75	2	87	183	-47
North Interior Karnataka					
Bagalkote	231	291	-38	6	-35
Belgaum	35	149	**	118	48
Bidar	-23	172	-25	107	-12
Bijapur	142	524	126	51	-37
Dharwad	-39	54	2	44	165
Gulbarga	-29	252	161	101	-33
Haveri	28	166	-5	276	1
Koppal	140	539	8	-38	9
Raichur	30	215	159	17	-61
South Interior Karnataka					
Bangalore Rural	25	72	-68	-49	-7
Bangalore Urban	202	-43	-10	43	158
Bellary	229	83	173	-4	437
Chamarajinagar	514	60	-53	55	40
Chickmagalur	-12	53	48	327	-7
Chitradurga	374	458	24	40	128
Davangere	332	246	110	114	70
Hassan	14	58	20	76	186
Kodagu	-42	-1	33	440	41
Kolar	192	177	-53	-72	248
Mandya	794	186	-16	-89	53
Mysore	420	156	-37	222	138

Shimoga	-41	43	104	515	-15
Tumkur	92	311	23	-72	124

- **Rainfall Forecast:** Rain/thundershower at a few places over coastal Karnataka and at isolated places over Interior Karnataka.
- **Major Kharif Crops:** Jowar, Maize, Bajra, Redgram, Ragi, Greengram, Blackgram, Cowpea, Sesamum, Groundnut, Sunflower, Soyabean, Cotton.
- **Crop Stage:** tillering (rice), flowering (pulse crops), peg formation (groundnut), tasseling (maize).
- **Crop Condition:** Satisfactory.
- **Advisory:** Take up the earthing up and weeding in early sown crops. In addition to this, top dressing with Nitrogen (urea) is suggested to boost up the crop growth.
- For groundnut apply gypsum @ 200 kg/acre and undertake earthing up.
- Farmers are advised to complete sowing of cowpea varieties TVX-944, KBC-1& 2 and Horsegram varieties KBH-1 & PHG-9.
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides in early sown crops on a non rainy day over coastal Karnataka.
- **Major Seasonal Crop:** Sugarcane and vegetables
- Undertake intercultural operations in sugarcane and early sown crops over coastal Karnataka to keep the field weed free.
- Farmers are advised to undertake planting of Cashew.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - rust disease in soybean, spray the crop with Propiconazole or Hexaconazole 1 ml dissolved in one liter of water.
 - sucking pests in vegetable crops, spray the crop with 1.7 ml Dimethoate or 1.0 ml Oxydemetonmethyl dissolved in one liter of water.
 - case worm in rice. Hence, farmers are advised to pull the rope across the crop by holding rope ends on either side of the field and spray the Quinolphos 2ml/lit of water to control it.
 - koleroga in arecanut; spray 1 % Bordeaux mixture to control.
 - In 60 -70 days old redgram crop, close observation should be made for the presence of eggs of Heliothis pod borer pest. If more than 5 eggs per plant are noticed, take up spraying of ovicidal insecticide Methomyl 40 SP, 0.75 gram or Prophenophas 1 ml dissolved in one liter of water.
 - 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.
 - Undertake spraying of chemicals on a non rainy day over coastal Karnataka.

Kerala_C

Realised Rainfall: The state received deficient/scanty rainfall during last week.

- **Rainfall distribution for last 5 weeks**

Kerala					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
Distribution of rainfall for districts of the state for last five weeks					
Alappuzha,	-39	-61	10	-12	-96
Kannur	-85	-26	20	108	-94
Ernakulam	-41	**	82	52	-80
Idukki	-46	-37	10	270	-53
Kasaragod	-49	25	-16	33	-43
Kollam	-30	-11	8	113	-84
Kottayam	-59	-10	11	4	-87
OKozhikode	-88	-16	116	130	-88
Malappuram	-91	44	125	156	-73
Palakkad	-56	69	75	231	-83
Pathanamthitta	-36	-26	-76	61	-72
Thiruvananthapuram	-79	39	79	167	-98
Thrissur	-28	46	107	101	-83
Wyanad	-70	-49	-85	83	-68

- **Rainfall Forecast:** Rain/thundershowers at many places along with isolated heavy rainfall during next 48 hours
- **Major Kharif Crops:** Rice
- **Crop Stage:** maturity/harvesting (*viripu* rice).
- **Crop Condition:** Good.
- **Advisory:** As rain/thundershowers are likely at many places, postpone irrigation to the standing crops. Arrange drainage facilities to avoid water logging as isolated heavy rainfall is likely during next 48 hours.
- Apply second dose of fertilizer in rainfed coconut. Apply fertilizers @ 500g Urea, 600g Rock phosphate and 800g Potash per plant.
- Intercultural operations, application of fertilizers and pesticides may be continued after current spells of rain.
- **Major Seasonal Crop:** Vegetables and plantation crops (coconut, arecanut, pepper and cashew). Time for nursery sowing of *mundakan* rice and planting of coffee
- Intercultural operations, application of fertilizers and pesticides may be continued after current spells of rain.
- Farmers are advised to undertake sowing of *mundakan* rice in the nursery. Farmers can collect paddy seeds for the *mundakan* crop wherever it is feasible to raise the crop. If water availability is assured, farmers can go for long duration varieties of paddy. Matta Triveni, Jyothi, Karthika, Kanchana, Ramanika and Makam are some of the short duration varieties. Kanakam, Pavizham, Asha, Uma and Panchami are some of the medium duration varieties. Mangala, Mashurie, H-4 and Karuna are some of the long duration varieties suited to *mundakan* crop
- Undertake planting of coffee seedling in high hill areas.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
 - Weather conditions are favourable for the incidences of pollu beetle and quick wilt in pepper. Drench the soil and 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.
 - Undertake spraying of chemicals after current spells of rain.

Tamilnadu_C

- **Realised Rainfall:** 14 districts received normal/excess rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Tamil Nadu					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Cuddalore	169	-73	-63	-68	-73
Dindigul	453	-34	-80	-94	-31
Nagapattinam	153	-76	-57	-83	-92
Perambalur	261	-96	-100	-83	-100
Ramanathapuram	375	-54	-89	-100	-75
Trichy	532	-53	-100	-100	-69
Tuticorin	241	-47	-100	-100	-54
Virudhunagar	29	-73	-100	-100	-75
3 weeks continuously deficient to no rain					
Tiruvarur	200	61	-100	-100	-63
2 weeks continuously deficient to no rain					
Chennai	4	-85	-2	-84	-66
Kanchipuram	34	-89	114	-73	-27
Pondicherry	137	-39	8	-99	-26
Tiruvallur	144	-29	-1	-74	-86
Distribution of rainfall for remaining districts of the state for last five weeks					

Coimbatore	328	251	277	1164	7
Dharmapuri	381	-2	-72	-78	48
Erode	435	-13	-24	-94	5
Kanyakumari	-83	342	2	234	-94
Karur	305	-75	-100	-100	43
Krishnagiri	331	-60	-35	-75	211
Madurai	260	-42	-97	-100	-18
Namakkal	273	9	-66	-49	-8
Nilgiris	23	33	-15	249	-38
Pudukottai	**	-98	-81	-87	1
Salem	377	42	-51	-13	8
Sivaganga	355	-81	-43	-100	61
Thanjavur	292	-31	-87	-96	-17
Theni	283	-43	-51	112	-69
Tirunelveli	238	212	-38	208	-34
Tiruvannamalai	99	-100	-6	-100	76
Vellore	203	-73	50	-87	95
Villupuram	195	-76	-61	-94	105

- **Rainfall Forecast:** Rain/thundershowers at a few places.
- **Major Kharif Crops:** Groundnut, pulses and rice
- **Crop Stage:** grain formation (*kuruvai* rice), flowering/pod formation (pulses)
- **Crop Condition:** Good
- **Advisory:**
- Farmers are advised to arrange for supplementary irrigation particularly to maize crop
- Undertake intercultural operations (weeding and earthing up) in rainfed groundnut.
- **Major Seasonal Crop:** *samba* rice (Sowing/transplanting), Sugarcane, banana and vegetables.
 - Farmers are advised to prepare land and transplanting of paddy in areas of late samba season. In case of nursery sowing select among the medium duration varieties for late samba like ADT38, ADT 39, ADT 46, white ponni, IR 20, Ambai 19, C0 48, Co 49 and paiyur1
 - Intercultural operations, application of fertilizers may be continued in vegetables and sugarcane on a non rainy day.
 - Farmers who are interested in paddy cultivation can opt for System Rice Intensification method where single plant transplantation is practiced. 3 kgs of seeds required per acre are raised for 14 days and transplanted in a squarely fashion. As a single plant is transplanted, more tillers are formed resulting up to 4 tons of yield per acre.
 - Farmers in Western zone are advised to undertake sowing of tomato in nursery.
 - 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:**
 - In paddy field, sucking pest (leaf hoppers, plant hoppers, thrips) and leaf folder may attack due to favourable weather conditions; farmer are advised to go for plant protection measures like spraying of profenophos 50 EC = 1000 ml/ha (or) Phosphamidan 40 SL – 1250 l/ha (or) Dichlorros 70 wsc 625 ml/ha on a non rainy day.

WEST INDIA [GOA, MAHARASHTRA, GUJARAT, RAJASTHAN]

Maharashtra_C

- **Realised Rainfall:** Most of the districts of the state received deficient/ scanty rainfall except districts like Mumbai, Ahmednagar, Kolhapur, Pune, Sangli, Satara, Aurangabad, which received normal/excess rainfall during last week.
- **Rainfall distribution for last five weeks**

Maharashtra					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
2 weeks continuously deficient to no rain					

Vidarbha					
Chandrapur	-80	11	-1	-59	-99
Gadchiroli	-43	3	20	-48	-100
Gondia	-42	-8	15	-58	-59
Wardha	-70	90	54	-58	-98
Distribution of rainfall for remaining districts of the state for last five weeks					
Konkan & Goa					
Goa	-48	-9	139	199	-37
Mumbai	-91	93	-5	190	13
Raigad	-85	-26	-10	67	-31
Ratnagiri	-72	2	42	194	-34
Sindhudurg	-17	-19	36	207	-33
Thane	-85	-52	-36	22	-58
Madhya Maharashtra					
Ahmednagar	3	404	-36	104	36
Dhule	-99	189	2	401	-60
Jalgaon	-93	106	-20	198	-95
Kolhapur	-53	46	59	223	87
Nandurbar	-99	-27	55	147	-100
Nasik	-72	225	32	138	-38
Pune	-75	207	-47	24	81
Sangli	-32	270	-25	4	18
Satara	-36	224	0	40	72
Solapur	-39	479	28	53	-20
Marathwada					
Aurangabad	-88	163	-6	266	-13
Beed	-69	261	-12	193	-20
Jalna	-93	253	13	79	-74
Latur	-90	137	-24	42	-93
Nanded	-91	73	-34	0	-100
Usmanabad	-34	272	-51	152	-50
Parbhani	-47	159	15	0	-73
Vidarbha					
Akola	-99	239	11	47	-97
Amraoti	-97	89	-13	10	-98
Bhandara	-50	-25	16	-7	-60
Buldhana	-99	207	27	13	-98
Nagpur	-85	31	63	-8	-72
Washim	-98	123	-31	20	-50
Yeatmal	-84	72	-41	23	-93

- **Rainfall Forecast:** Rain/thundershowers at isolated places over south Konkan, and south Madhya Maharashtra. 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(vegetative/floral bud formation), bajra(flowering/grain formation), groundnut (pegging / pod formation), soyabean (pod formation), irrigated cotton(floral bud formation/flowering) and green gram (pod picking), black gram(pod maturity) and red gram (branching).
- **Crop Condition:** Good
- **Advisory:** As Vidarbha received no significant rain during last week, apply irrigation to the crops.
 - Apply second dose of nitrogenous fertilizers to *kharif* rice in Konkan and Madhya Maharashtra.
 - Apply third dose of Nitrogenous fertilizer @20 kg N per ha to *kharif* paddy crop at flowering stage in Konkan & Kolhapur divisions.
- **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 Acitamepid 20 % WS@ 4 gm or Dimethoate 30 % WS @ 10 ml in 10 liters of water.

Gujarat_C

- **Realised Rainfall:** Almost all the districts of both the sub-divisions received scanty/no rainfall during last week.
- **Rainfall distribution for last five weeks**

Gujarat					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
2 weeks continuously deficient to no rain					
Gujarat Region					
Ahmedabad	-99	-99	124	-92	-92
Anand	-94	-78	73	-81	-98
Banaskantha	-99	-100	71	-97	-100
Baroda	-96	-96	65	-30	-100
Gandhinagar	-96	-99	111	-100	-100
Kheda	-72	-95	118	-94	-100
Mehsana	-97	-100	172	-92	-100
Panchmahal	-87	-91	87	-33	-100
Patan	-100	-100	225	-100	-100
Sabarkantha	-98	-94	221	-47	-100
Saurashtra, Kutch & Diu region					
Amreli	-100	-100	227	-87	-73
Bhavnagar	-91	-99	26	-20	-70
Jamnagar	-84	-99	354	-84	-100
Junagarh	-94	-100	104	-60	-100
Kutch	-90	-95	391	-100	-100
Porbandara	-92	-100	358	-69	-100
Rajkot	-88	-100	169	-98	-100
Surendranagar	-95	-100	112	-100	-98
Distribution of rainfall for remaining districts of the state for last five weeks					
Gujarat Region					
Broach	-97	-67	37	-15	-100
Dahod	-86	-70	22	13	-100
Dangs,	-86	-59	-6	100	-94
DNH & Daman	-93	32	-21	58	-99
Narmada	-99	-59	69	115	-100
Navsari	-83	-68	11	117	-96
Surat	-92	-14	103	139	-99
Valsad	-95	-19	-3	129	-97

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, castor, pigeon pea, cotton, groundnut, bajra, sesamum, cluster bean, pulses
- **Crop Stage:** Rice(tillering), groundnut(pegging), maize(siliking), bajra (vegetative/flowering), cotton(square formation)
- **Crop Condition:** Crop condition is satisfactory
- **Advisory:**
- As most of the districts of Saurashtra and Gujarat region received deficient/scanty rainfall during last week, apply irrigation to the crops.

- **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.
 - Sow 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 carbandezim @10 gm + mencozeb @ 20 gm in 10 liters of water

CENTRAL INDIA [M.P., CHHATTISGARH]

Madhya Pradesh_C

- **Realised Rainfall:** Compare to preceding week rainfall was deficient during last week in both the subdivisions.
- **Rainfall distribution for last 5 weeks**

Madhya Pradesh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
East Madhya Pradesh					
Rewa	-7	-92	-32	-41	-82
2 weeks continuously deficient to no rain					
East Madhya Pradesh					
Balaghat	-56	0	30	-57	-85
Seoni	-55	-34	17	-26	-65
West Madhya Pradesh					
Bhind	58	-91	19	-33	-50
Dewas	-74	-56	49	-71	-36
Harda	-81	-59	30	-66	-21
Sehore	-44	-71	30	-43	-62
Distribution of rainfall for remaining districts of the state for last five weeks					
East Madhya Pradesh					
Chhatarpur	43	-96	-18	-1	-19
Chindwara	-84	-11	80	165	-49
Damoh	-72	-80	-16	42	28
Dindori	-38	-57	10	74	-82
Jabalpur	-73	-69	42	205	21
Katni	-21	-84	-51	55	-25
Mandla	-41	-62	104	40	-95
Narsingpur	-55	-79	92	272	141
Panna	173	-96	-10	-54	31
Sagar	-40	-77	40	54	149
Satna	92	-90	-54	67	-18
Shahdol	-68	-39	-61	157	-92
Sidhi	-26	-40	-39	40	-90
Tikamgarh	50	-96	36	17	-84
Umariya	-73	2	-57	191	-76
West Madhya Pradesh					
Badwani	-100	1	14	185	-100
Betul	-87	35	22	18	-43
Bhopal	-85	-98	22	15	-46
Datia	39	-25	8	58	-90
Dhar	-82	8	-13	114	-100

Guna	-9	-74	11	-35	2
Gwalior	-25	-90	-8	19	-74
Hosangabad	22	-44	44	66	39
Indore	-75	-75	43	157	-99
Jhabua	-81	-75	23	107	-100
Khandwa	-92	-33	-42	1	-99
Khargone	-82	-25	-38	122	-100
Mandsaur	-54	-89	49	84	-100
Morena	162	-71	-33	34	38
Neemuch	12	-89	75	121	-100
Raisen	-55	-69	78	29	116
Rajgarh	-65	-89	-1	-56	0
Ratlam	-24	-57	57	50	-100
Shajapur	-57	-83	40	-10	-100
Sheopur Kalani	21	-100	-44	-14	-81
Shivpuri	53	-33	55	-1	-71
Ujjain	-63	-71	54	95	-84
Vidisha	-5	-67	55	-30	87

- **Rainfall Forecast:** Dry weather
- **Major Kharif Crops:** Rice, jowar, sunflower, jowar and soybean
- **Crop Stage:** tillering (rice), flowering/pod formation/pod development (soybean 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/vermicompost, N, P, K at recommended dose for fruit crops
- Undertake intercultural operations in the seasonal crop.
- **Plant Protection:**
 - Destroy YMV affected plants from soybean field and spray Methyle Demeton for controlling of vector.
 - 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.
 - tobacco caterpillar in soybean crop, spray Profenophos 40 EC and cypermethrin 4 EC @ 1 lit/ha.
 - boll worm cotton crops, spray Profenophos 40% EC @ 3.0 ml/l.
 - girdle beetle/leaf defoliator in soybean, spray Quinolphos 25 or Endosulphan 35 @ 1000 ml in 500 litre of water per hectare.
 - pyrilla in sugarcane or shoot borer, spray Melathyon 1.5 litre per hectare in 700-800 litre of water.
- **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_C

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

- **Rainfall distribution for last 5 weeks**

Chattisgarh					
State/Districts	19.08.09	26.08.09	02.09.09	09.09.09	16.09.09
More than 3 weeks continuously deficient to no rain					
Dhamtari	-96	-38	-33	-97	-100
Surguja	-49	-63	-43	-37	-97
3 weeks continuously deficient to no rain					
Bilaspur	-12	48	-67	-49	-78
Durg	-53	34	-22	-77	-80
Mahasumund	-74	-7	-37	-81	-100
Raigarh	-56	-11	-36	-31	-92
Raipur	-51	51	-37	-64	-86
Rajandgaon	-68	-16	-43	-50	-84
Surguja	-49	-63	-43	-37	-97
2 weeks continuously deficient to no rain					
Bastar	-65	93	17	-66	-97
Dantewara	-80	-60	24	-45	-78
Janjgir	-72	53	20	-21	-93
Jashpurnagar	-16	18	-8	-49	-80
Kanker	-30	-12	5	-33	-100
Korba	-63	-6	-11	-65	-69
Kowardna	-69	23	20	-89	-96
Distribution of rainfall for remaining districts of the state for last five weeks					
Koriya	75	-41	-32	-6	-83

- **Rainfall Forecast:** Dry weather.
- **Major Kharif Crops:** Rice, soybean, maize, sesamum, tur.
- **Crop Stage:** tillering (rice), tasseling (maize), flowering/pod formation (pulse crops)
- **Crop Condition:** Good
- **Advisory:** Where maize is at tesseling 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.
- **Plant protection:** Weather conditions are favourable for the incidences of leaf folder in arhar, farmers are advised to spray of chlorpyriphos @ 2 ml/litre of water