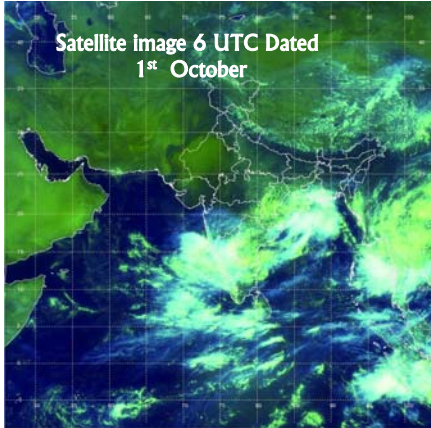




National Agromet Advisory Bulletin

Thursday, 1st October, 2009 (For the period 1st to 5th October, 2009)



Rainfall Forecast valid upto 1430 hours IST of 4th October, 2009

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

Warning (for next 48 hours)

Isolated heavy to very heavy rainfall is likely over coastal Orissa, South Madhya Maharashtra, Andhra Pradesh, Karnataka and south Konkan & Goa during next 48 hours.

Salient advisories

- As rain/thundershowers is likely at many places along with isolated heavy rainfall over Orissa, Andaman & Nicobar Islands, Andhra Pradesh, Karnataka, Kerala and Lakshadweep, Maharashtra and Goa, postpone irrigation, intercultural operations and application of fertilizers and pesticides to the standing crops. Provide adequate drainage facilities in coastal Orissa, South Madhya Maharashtra, Andhra Pradesh, Karnataka and south Konkan & Goa to avoid water logging due to heavy rainfall.
- As there was no significant rain in Arunachal Pradesh, Assam, Sikkim, Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Gujarat, Tamil Nadu, Madhya Pradesh, Chhattisgarh, West Bengal, Jammu & Kashmir, Rajasthan, Delhi, Himachal Pradesh, Punjab and Haryana 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 *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.
- 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.
 - Bacterial leaf blight in rice in Orissa and Haryana
 - Jassid and mealy in cotton in Andhra Pradesh
 - Pyrilla in sugarcane in Madhya Pradesh
- Undertake plant protection measures to control the pests and diseases.

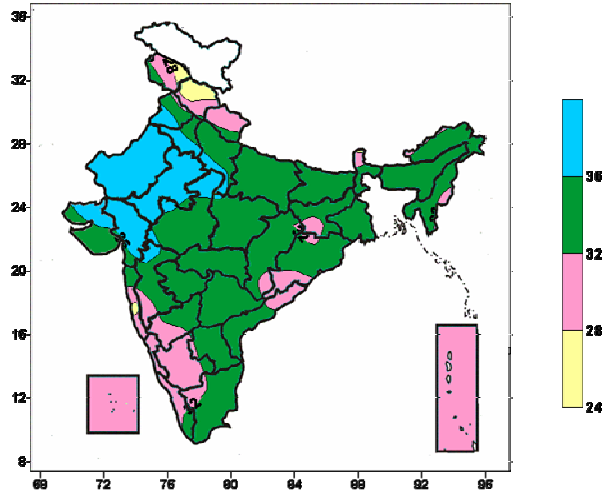
Issued by

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

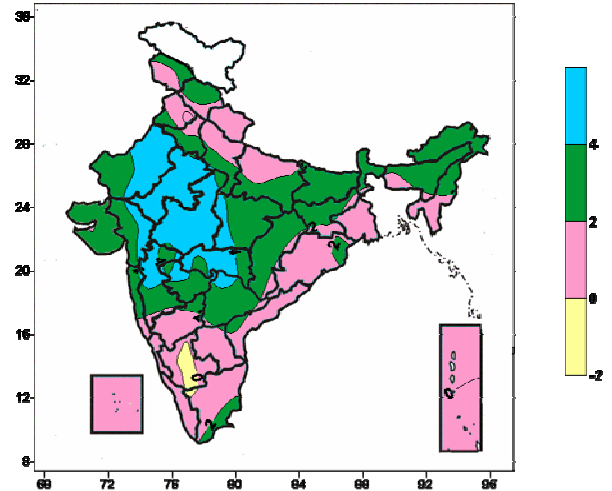
Contour maps for the week ending 30.09.09

Actual Mean Maximum Temperature (°C) In India for the week ending 30.09.09



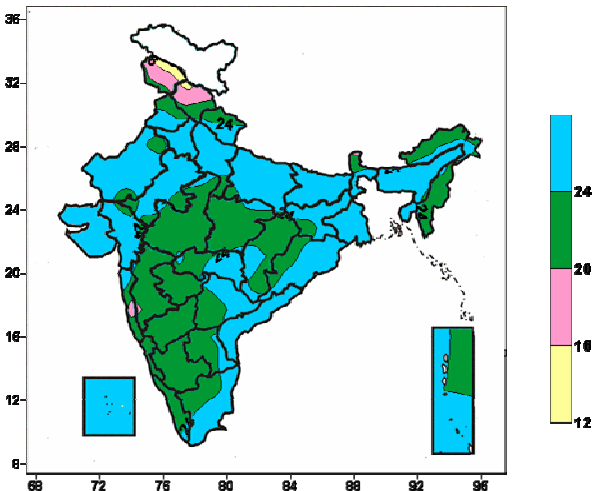
Actual Mean Maximum temperature ranged between 36°C and above over most parts Rajasthan, Gujarat, some parts of Punjab, Haryana, West Uttar Pradesh, Saurashtra, West Madhya Pradesh, Madhya Maharashtra, 28 to 32°C over most parts of Uttarakhand, Sikkim, Konkan & Goa, Coastal & South Interior Karnataka, Kerala, Lakshadweep, Andaman & Nicobar Islands, some parts of Jammu & Kashmir, Himachal Pradesh, Jharkhand, Arunachal Pradesh, Manipur, Orissa, Chattisgarh, Coastal Andhra Pradesh, Tamil Nadu, North Interior Karnataka, Madhya Maharashtra, 24 to 28°C over some parts of Jammu & Kashmir, Himachal Pradesh, Konkan, 32 to 36°C over remaining parts of the country.

Maximum Temperature (°C) Anomaly In India for the week ending 30.09.09



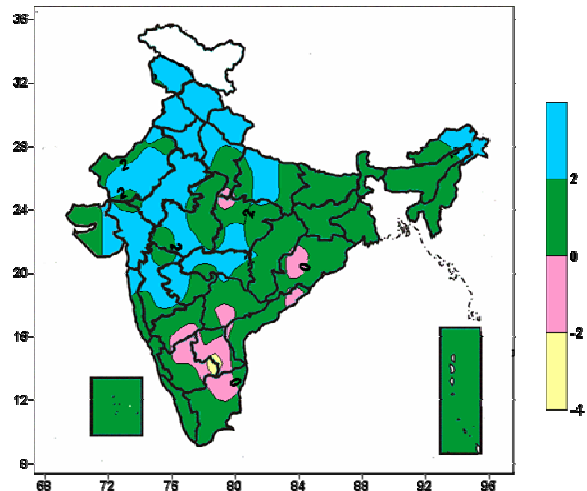
Actual Mean Maximum temperature anomaly ranged between 4°C and above over most parts of Rajasthan, West Madhya Pradesh, some parts of East Madhya Pradesh, Vidarbha, Madhya Maharashtra, Marthwada, Gujarat, Telengana, 0 to 2°C most parts of Punjab, Uttarakhand, Uttar Pradesh, Gangetic West Bengal, Mizoram, Tripura, Orissa, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Kerala., Karnataka, Lakshadweep, Andaman & Nicobar Islands, some parts of Jammu & Kashmir, Himachal Pradesh, Haryana, Assam, Konkan & Goa, Madhya Maharashtra, -2 to 0°C over some parts of South Interior Karnataka, Tamil Nadu, 2 to 4°C over remaining parts of the country.

Actual Mean Minimum Temperature (°C) In India for the week ending 30.09.09



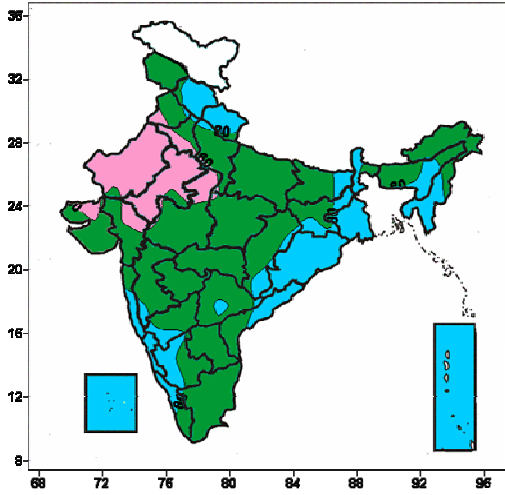
Actual Mean Minimum Temperature ranged between 24°C and above over most parts of Haryana, Delhi, Uttar Pradesh, Bihar, Jharkhand, Rajasthan, West Bengal, Assam, Tripura, Orissa, Coastal Andhra Pradesh, Coastal Tamil Nadu, Lakshadweep, Andaman & Nicobar Islands, some parts of Punjab, Sub-Himalayan West Bengal, Arunachal Pradesh, Uttarakhand, Chattisgarh, Telengana, Rayalaseema, Kerala, Konkan, Madhya Pradesh, Vidarbha, 16°C to 20°C over some parts of Jammu & Kashmir, Himachal Pradesh, 20°C to 24°C over remaining parts of the country.

Minimum Temperature (°C) Anomaly In India for the week ending 30.09.09



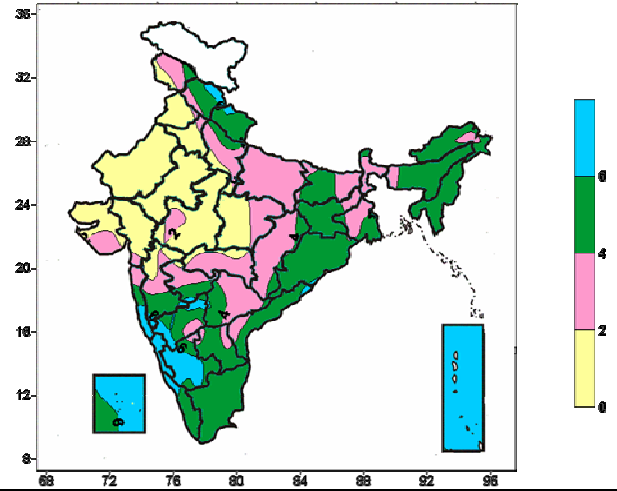
Minimum Temperature anomaly ranged between 2°C and above over most parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Delhi, Rajasthan, Gujarat, Maharashtra, some parts of Uttar Pradesh, Arunachal Pradesh, Assam, Madhya Pradesh, Saurashtra & Kutch, -2 to 0°C over some parts of West Uttar Pradesh, East Madhya Pradesh, Orissa, Andhra Pradesh, Tamil Nadu, South & North Interior Karnataka, -4 to -2°C over some parts of Raylaseema, South Interior Karnataka, 0 to 2°C over remaining parts of the Country.

Relative Humidity (%) over India for the week ending 30.09.09



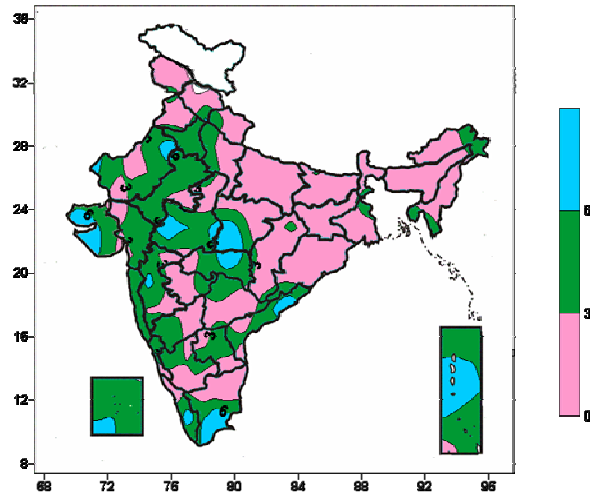
Relative humidity more than 80% over most parts of Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Mizoram, Tripura, Coastal Karnataka, Konkan & Goa, Orissa, Lakshadweep, Andaman & Nicobar Islands, some parts of Punjab, Haryana, West Uttar Pradesh, Bihar, Jharkhand, Chattisgarh, Assam, Manipur, Kerala, North & South Interior Karnataka, Madhya Maharashtra, Chhattisgarh, Coastal Andhra Pradesh, Telangana, 40 to 60% over most parts of Rajasthan, some parts of Punjab, Haryana, West Uttar Pradesh, Gujrat, Saurashtra, Madhya Pradesh, 60 to 80% over remaining parts of the country.

Cloud amount (okta) over India for the week ending 30.09.09



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

Wind speed (knots) over India for the week ending 30.09.09



Wind speed ranged between 6 knots and above over some parts of West Rajasthan, Saurashtra & Kutch, Madhya Pradesh, Madhya Maharashtra, Vidarbha, Coastal Andhra Pradesh, Kerala, Tamil Nadu, Lakshdweep, Andaman & Nicobar Islands, 3 to 6 knots over most parts of Haryana, Delhi, Rajasthan, Gujarat, Saurashtra & Kutch, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Kerala, Lakshdweep, Andaman & Nicobar Islands, some parts of Jammu & Kashmir, Himachal Pradesh, Punjab, Uttarakhand, West Uttar Pradesh, West Bengal, Arunachal Pradesh, Assam, Mizoram, Tripura, East Madhya Pradesh, Chhattisgarh, Orissa, Marathwada, Andhra Pradesh, Karnataka, Tamil Nadu, 0 to 3 knots over remaining parts of the country.

Zonewise Agromet Advisories

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

Himachal Pradesh

- **Rainfall Forecast:** Mainly dry weather is likely to prevail over the State.
- **Major Kharif Crops:** Rice, Vegetables
- **Crop Stage:** Maize(silking), vegetables(early vegetative), rice(tillering/panicle initiation)
- **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 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 time for raising the nursery of winter flowers in polyhouses.
 - 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 –
 - 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%.
 - 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 scanty/no rainfall except Dehradun district, which received excess rainfall during last week.

Rainfall distribution for last 5 weeks

UttaraKhand					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Rudraprayag	-58	-25	-52	-90	-98
3 weeks continuously deficient to no rain					
Garhwal Pauri	-87	65	-42	-99	-86
2 weeks continuously deficient to no rain					
Almora	-89	189	95	-100	-100
Chamoli	-19	118	45	-93	-78
Champawat	-88	-50	178	-62	-65
Garhwal Tehri	-94	68	33	-100	-100
Nainital	-78	12	84	-97	-95
Pithorgarh	-36	102	31	-62	-85
Udham Sing Nagar	-92	60	5	-100	-100
Uttarkashi	-1	147	-12	-100	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
Dehradun	-55	-53	54	-74	57
Haridwar	-64	0	310	80	-63

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **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 no significant rainfall in most of the districts during last week and mainly dry weather is likely during next five days, apply irrigation to the standing crops.
 - 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 can start planting of potato from this week. Select high yielding varieties like Kufri Jyoti, Kufri Ashok or Kufri Anand.
 - **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.
 - 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

- **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/flowering), cotton(flowering/fruitletting), soybean(flowering), maize(tasselling/silking), toria(early vegetative)
- **Crop Condition:** Rice crop is in satisfactory condition.
- **Advisory:**
- Undertake weeding, intercultural operations and application of fertilizers.
- As mainly dry weather is likely in the State during next five days, apply irrigation to the standing crops.
- **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.
 - 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.
 - Prepare the land and undertake sowing of berseem.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - mealy bug in cotton. Inspect the crop for their attack and give the spot treatment of recommended insecticides.
 - 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:** 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

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, maize, guar, cotton
- **Crop Stage:** Rice(tillering), pulses, bajra (vegetative), toria(early vegetative)
- **Crop Condition:** Satisfactory
- **Advisory:** As 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
 - **Major Seasonal Crop with stage:** Spring sugarcane (early vegetative/vegetative), vegetable crops (vegetative), cotton (flowering/boll formation)
 - **Crop Condition:** Good
- **Advisory:**
 - As 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.
 - It the right time of sowing of garlic in Fatehbad, Jajjar, Mewat, Rohtak, Sirsa districts. Arrange the healthy seed @ 240-320 kg good garlic bulbs for one acre and sowing may be done in lines about 15 cm apart and the distance from plant to plant should be kept at 10cm.
 - **Advisory for Plant Protection:** Weather conditions are favourable for mild incidences of –
 - bacterial leaf blight and neck blast in rice in Rohtak, Sirsa districts, the farmers are advised to spray the crop as per recommended by the University.
 - 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 Straptocylin in 200 liters of water per acre.

Delhi

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** vegetables and rice
- **Crop Stage:** vegetative/tillering
- **Crop Condition: Satisfactory**
 - **Advisory:** As there was no rainfall during last week, farmers are advised to apply irrigation to the standing crops
 - Undertake intercultural operations to keep the fields weed free.
- **Crop Condition: Good**
 - **Advisory:** Due to high relative humidity and high average temperature, sowing of pea should be postponed. In this weather condition, infection of Fusarium wilt is possible in pea. High seed rate and proper seed treatment has to be followed if sowing is done at all.
 - Field sanitization is advised before sowing of *rabi* crop. Bunds, channels, uncultivated fields and field roads should be cleaned, by removing weeds.

- Transplanting of mature seedlings of cauliflower, cabbage and broccoli may also be done in raised bed. Recommended spacing should be maintained. Nursery preparation should be started for late crop which mature in December or January.

Plant protection:

- Weather conditions are favorable for neck or leaf blast in and around Delhi region. Two spraying of Carbendazim 1 grams per litre of water or Edifenphos 1 gram per litre of water at 7 days interval is advised.
- False smut may appear in paddy in present weather conditions. Symptoms include increase in grains size with brown colored fungus inside. 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 also 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.
- Due to high relative humidity and temperature, attack of white fly has been reported in chilli and tomato crops which ultimately cause viral diseases in these crops. When attack is observed uprooting and burying of infected plant and spraying of Confidor 2 ml per litre of water to protect the healthy plants is advised.
- Farmers are advised to closely monitor crop against attack of viral diseases in cucurbitaceous crops. If attack is observed uprooting and burying of infected plants and spraying of systemic insecticide (Malathion, Metasystox or Imidacloprid) at recommended doses are advised.
- Drenching of vegetable nursery with Mancozeb @ 2 grams per litre of water is advised to control damping off disease.

Uttar Pradesh

- **Realised Rainfall:** Both East Uttar Pradesh and West Uttar Pradesh received Deficient/Scanty/no rainfall during last week
- **Rainfall distribution for last 5 weeks**

Uttar Pradesh					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
East Uttar Pradesh					
Gonda	-20	-37	-53	-100	-24
Gorakhpur	10	-28	-47	-100	-76
Kanpur Dehat	-48	-26	-26	-100	-80
Kushi nagar	-85	-59	-92	-100	-100
Maharajganj	-73	-90	-85	-98	-94
West Uttar Pradesh					
Aligarh	22	-28	-77	-100	-100
Firozabad	39	-46	-46	-100	-100
Ghaziabad	-76	-43	-56	-100	-100
Mahamaya Nagar	-31	-43	-86	-100	-100
3 weeks continuously deficient to no rain					
East Uttar Pradesh					
Allahabad	-67	231	-58	-100	-96
Ambedkar Nagar	-58	46	-85	-100	-52
Ballia	-79	-6	-64	-100	-95
Basti	15	25	-59	-100	-80
Deoria	-48	64	-57	-99	-100
Farrukhabad	-96	125	-61	-100	-100
Gazipur	25	167	-65	-100	-78
Jaunpur	-44	74	-59	-97	-20
Mau	-75	-18	-61	-100	-100

Mirzapur	-70	118	-87	-100	-98
Pratapgarh	-64	53	-77	-100	-85
RaiBareilly	-78	-16	-50	-95	-76
Sonbhadra	-51	24	-97	-42	-46
West Uttar Pradesh					
Auraiya	-60	64	-27	-100	-100
Badaun	-22	78	-22	-100	-90
Bulandsahar	-17	163	-57	-100	-100
Etah	-68	66	-84	-100	-100
Jalaun	-16	117	-47	-100	-100
Jhansi	-43	8	-84	-100	-100
Lalitpur	-6	8	-23	-100	-100
Mainpuri	-26	105	-45	-100	-100
2 weeks continuously deficient to no rain					
East Uttar Pradesh					
Bahraich	-5	87	-19	-88	-45
Balrampur	-35	-16	-19	-100	-78
Banda	-4	89	28	-100	-95
Barabanki	-59	39	13	-86	-65
Fatehpur	-41	-9	24	-100	-100
Kanpur City	-63	-78	82	-100	-100
Kheri	-42	123	92	-62	-77
Lucknow	-84	154	126	-92	-93
Sitapur	-77	35	118	-58	-88
Unnao	-87	8	171	-78	-100
West Uttar Pradesh					
Agra	-67	22	-18	-100	-100
Baghpat	43	167	234	-100	-100
Bareilly	-77	57	105	-99	-99
Bijnor	-85	7	203	-100	-54
Etawah	-63	52	13	-100	-100
Hamirpur	27	31	-5	-100	-100
Jotirba Phule Nagar	-92	-7	8	-100	-88
Mathura	-9	-47	91	-100	-100
Meerut	-51	-85	-6	-100	-100
Moradabad	-85	157	28	-100	-78
Muzzaffarnagar	-58	-52	60	-100	-100
Pilibhit	-95	95	126	-95	-95
Rampur	-91	45	43	-100	-100
Saharanpur	9	-57	216	-100	-31
Shahjahanpur	-84	80	138	-78	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
East Uttar Pradesh					
Azamgarh	-24	134	-59	-100	5
Faizabad	-17	44	-21	-31	65
Hardoi	-80	71	28	-15	-98
Sant Ravidas Nagar	-11	154	-99	-100	35
Shrawasti	-80	71	2	-100	2
Sidharthnagar	-34	-48	-13	-91	-19
Sultanpur	-56	-12	-52	-82	89
Varanasi	-66	33	-98	-81	-9

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over East Uttar Pradesh and mainly dry weather is likely over West Uttar Pradesh.
- **Major Kharif Crops: East UP:** Rice, mung, jowar, bajra.
- **West UP:** Rice, groundnut, urd, mung and vegetables
- **Crop Stage:** Rice(panicle initiation), groundnut, urd, mung and vegetables(flowering), maize(tasselling)

- **Crop Condition:**
- **East UP:** Satisfactory
- **West UP:** Satisfactory
- **Advisories:**
 - As there was no significant rainfall in most of the districts of the State during last week and no significant rainfall is likely during next five days, 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 mentha.
 - **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

- **Rainfall Forecast:** Mainly dry weather is likely over the State.
- **Major Kharif Crops:** Rice, maize, vegetables
- **Crop Stage:** flowering (rice); 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.
- Threshing of wheat and barley may be undertaken.
- Harvesting of apple may be undertaken.
- Proper drying of tomato, capsicum, cucurbit seed, cabbage and cauliflower should be done.
- **Major Seasonal Crop with stage:** Vegetables (vegetative/flowering/fruited)
- **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.
- **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.

Rajasthan

- **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:** late vegetative/flowering
- **Crop Condition: Satisfactory**
- **Advisory:** Farmers are advised to apply irrigation as there was no significant rainfall during last week in the state.
- Undertake intercultural operations, application of fertilizers and pesticides.
- 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 to keep the fields weed free.
- Sow seeds in nursery for raising seedling of autumn vegetables. Select among improved varieties for nursery sowing like
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 for raising nursery of chilli and brinjal for Rabi season.
- Prepare field by ploughing and planking for wheat and barley and apply FYM as per recommendation. Apply Endosulphan 4% or Quinalphos 1.5% dust during last ploughing to manage soil borne pathogens and insects.
- Prepare field for sowing of rainfed Taramira, Toria and Mustard.
- Farmers are advised to procure the mustard and gram seed for sowing during the next week. The improved variety mustard are T-59, Bio-902, Laxmi, Vasundra and improve varieties of gram RSG-44, Dahod yellow, GNG-16, ICCV-10 RSG-888 and Pratap Chana.
- **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 cluster bean aphid attack seen in the fields, spray monocrotophos @ 250ml/bigha or daimethoate 30EC @ 300 ml/bigha
 - Tobacco caterpillar, semilooper and girdle bittle on soynabean, spray Endosulphan 35 EC in 1.25 litre of water or Prophenophos 50 EC in 1 litre of water.
 - Bollworm on cotton, spray Chlorophyriphos 20 EC in 1 litre of water.

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

Bihar

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

Bihar					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Araria	-44	-55	-94	-85	-67
Darbhangha	-60	-41	-31	-98	-100

Gopalganj	17	-27	-75	-98	-100
Kathihar	-70	-63	-77	-38	-87
Madhubani	-76	-33	-51	-99	-94
Purnea	-44	-51	-85	-37	-95
Saharsha	-83	-68	-67	-58	-100
Samstipur	-43	-23	-54	-92	-100
Sitamarhi	-89	-44	-88	-83	-73
Siwan	-50	-35	-68	-100	-100
Vaishali	51	-46	-90	-100	-100
3 weeks continuously deficient to no rain					
Aurangabad	55	354	-88	-100	-100
Begusarai	-27	96	-70	-100	-100
Bhabua	-100	281	-98	-100	-100
Bhojpur	-58	149	-73	-100	-100
Buxar	32	103	-73	-100	-52
East Champaran	-9	-17	-52	-100	-100
Gaya	-85	383	-22	-100	-100
Jhanabad	-34	139	-54	-100	-78
Jamui	46	141	-70	-87	-89
Khagadia	-51	60	-57	-94	-66
Madhepura	-68	-11	-84	-44	-100
Nalanda	-12	50	-68	-99	-100
Patna	125	21	-71	-85	-99
Rohtas	86	165	-55	-100	-92
Saran	-51	-18	-35	-100	-100
Supaul	-88	5	-61	-92	-100
West Champaran	-65	0	-79	-100	-95
2 weeks continuously deficient to no rain					
Bhagalpur	61	71	1	-62	-30
Muzaffarpur	-18	37	-12	-70	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
Monghyar	57	37	-42	-60	102

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **Major Kharif Crops:** Rice, urd, sunflower, maize and pigeon pea
- **Crop Stage:** Rice(booting to flowering), 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.
 - Those farmers who have not top dressed urea for rice are advised to apply 60kg urea per hectare.
 - Start the field preparation and sowing of *rabi* vegetables.
 - Complete sowing of niger during this week.
 - Start the field preparation for sowing of rapeseed and mustard as the weather is likely to become congenial for sowing of these crops. Select RAUTS 17, Panchali, PT 303, Bhawani varieties of rapeseed and Rajendra Sorson 1, Swarna and 66-197-3 varieties of yellow sorson 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.
 - 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.

Jharkhand

Realised Rainfall: The state received deficient/scanty rainfall except East Singbhum district, which received normal rainfall during last week.

- **Rainfall distribution for last 5 weeks**

Jharkhand					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Gumla	-57	-100	-75	-96	-93
Hazaribagh	73	-73	-85	-89	-71
Lohardagga	133	-100	-80	-100	-92
3 weeks continuously deficient to no rain					
Dhanbad	-9	378	-56	-32	-58
Giridih	-4	163	-25	-66	-97
Palamau	-36	**	-76	-100	-57
Ranchi	-2	156	-55	-35	-36
West Singbhum	-11	212	-93	-44	-54
2 weeks continuously deficient to no rain					
Chatra	**	**	**	-100	-94
Santhal Parganas	-1	**	-11	-89	-80
Distribution of rainfall for remaining districts of the state for last five weeks					
Bokaro	104	296	-69	8	-65
East Singbhum	-64	190	-100	52	-13

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **Major Kharif Crops:** Maize, Arhar, Til, Ragi, Vegetables
- **Crop Stage:** Direct sown rice(panicle initiation), Maize(grain formation), other *kharif* crops are at flowering stage.
- **Crop Condition:** Good
- **Advisory:**
- As there was no significant rainfall in most of the districts during last week and no significant rainfall is likely in the State, 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.
- **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. Undertake sowing of pea, cabbage and cauliflower.

Orissa

- **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 rainfall is also likely at many places over the State with isolated heavy to very heavy rainfall over coastal Orissa, farmers are advised to postpone irrigation to the crops. Also provide adequate drainage facilities to avoid waterlogging.

- Apply top dressing of nitrogen in rice after current spells of rain, if not done.
- 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 mustard under rainfed condition. Select high yielding varieties like Parbhathi, Anuradha, TS-29 & M-27 and undertake sowing after current spells of rain in coastal Orissa.
- **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.
- 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.

West Bengal

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

West Bengal					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
SHWB					
Dinajpur (N)	-34	-78	-80	-77	**
Dinajpur (S)	-56	-99	-95	-84	-100
3 weeks continuously deficient to no rain					
GWB					
Bankura	-60	318	-83	-43	-88
Howrah	-70	302	-88	-65	-71
Midnapore	-60	172	-91	-29	-64
24 Pargana (N)	-6	230	-75	-48	-67
Purulia	-26	217	-90	-42	-74
SHWB					
Malda	-16	43	-69	-49	-97
Distribution of rainfall for remaining districts of the state for last five weeks					
GWB					
Birbhum	-40	187	-34	-12	-76
Burdwan	-57	168	-81	113	-37
Hooghly	-54	193	-77	7	-99
Murshidabad	85	347	-17	38	-85
Nadia	-58	494	-71	-8	-74
24 Pargana (S)	-23	204	-95	-16	-78
SHWB					
Coochbehar	-89	-49	-83	-17	-93
Darjeeling	-10	-26	-73	48	-89
Jalpaiguri	-57	-71	-76	40	-87

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **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 isolated places over West Bengal, apply irrigation to the standing crops.
 - Undertake intercultural operations to keep the fields free from weeds.

- Undertake top dressing of urea @ 6 kg/bigha to paddy.
- 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:**
 - 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.

Sikkim

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

State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
Sikkim	-40	-24	-64	5	-97

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **Major Seasonal Crop with stage: Rice:** flowering **Kharif Vegetables:** flowering/fruiting/ harvesting;
Large Cardamom: Capsule maturity;
- **Crop Condition: Good**
- **Advisory:** As rain/thundershowers are likely at isolated places over the state, apply irrigation to the standing crops.
 - Application of fertilizers, pesticides and intercultural operations may also be undertaken.
 - 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

Realised Rainfall: 5 districts of Assam received normal rainfall otherwise there was deficient / scanty/ no rainfall during last week.

Rainfall distribution for last 5 weeks:

Assam					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					

Goalpara	-74	-89	-85	-25	-92
Jorhat	-80	-84	-30	-49	-91
Kokrajhar	-69	-61	-92	-33	-85
Lakhimpur	-22	-68	-62	-31	-99
2 weeks continuously deficient to no rain					
Golghat	-40	-68	21	-44	-39
Distribution of rainfall for remaining districts of the state for last five weeks					
Barpeta	61	-15	-89	97	-94
Bongaigaon	-12	-16	-90	26	-100
Cachar	-44	-74	-72	81	15
Darrang	-93	-63	3	9	-90
Dhubri	-90	-84	-76	47	-90
Dibrugarh	-28	-81	-44	131	-50
East Khasi Hills	-38	-21	-61	70	-66
Hailakandi	6	-70	-63	123	-45
Kamrup	-16	-84	-55	6	-14
Karbi Analog	66	-100	15	190	-41
Karimganj	-32	-87	-48	20	14
Morigaon	-15	-84	-67	113	-87
Nalbari	2	-93	-91	35	14
Nowgong	42	-94	-58	-7	-76
Sibsagar	-46	-74	48	114	-17
Sonitpur	-92	-59	-97	102	-51
Tinsukia	13	-83	-36	115	-39

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **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.).
- 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.
- 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 (tillering / panicle initiation), *Capsularis* jute (harvesting), *Olitorius* jute (harvesting), 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 scanty/no rainfall except Tirap districts where deficient rainfall was there during last week.

Rainfall distribution for last 5 weeks:

Arunachal Pradesh					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09

More than 3 weeks continuously deficient to no rain					
Lower Subansiri	-79	-51	-98	-75	-91
3 weeks continuously deficient to no rain					
Tawang	-23	-16	-26	-61	-69
2 weeks continuously deficient to no rain					
Changlang	-93	-93	-1	-61	-71
Distribution of rainfall for remaining districts of the state for last five weeks					
East Kameng	-54	-86	-95	64	-100
East Slang	-72	-98	-93	86	-94
Lohit	-11	-91	-26	232	-74
Papumpara	-23	-85	-90	20	-96
Tirap	-26	-94	-78	246	-41
Upper Subansiri	-86	-93	-66	66	-71
West Kameng	-23	-68	-34	461	-100

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State.
- **Major Kharif Crops:** Jhum rice, WRC rice, millets
- **Crop Stage:** Rice, ragi (grain formation), Maize (maturity)
- **Crop Condition:** Good.
- **Advisory:**
 - Undertake weeding and intercultural operations.
 - Harvest the matured maize crop.
 - Apply irrigation to the crops as there was no significant rainfall in the State during last week and no significant rainfall is likely 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

- **Realised Rainfall:** Compared to previous week, rainfall was normal / excess during last week except Nellore district which received deficient rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Andhra Pradesh					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Coastal Andhra Pradesh					
Nellore	-83	-78	-66	-71	-37
Distribution of rainfall for remaining districts of the state for last five weeks					
Coastal Andhra Pradesh					
East Godavari	-15	-33	-61	-52	2
Guntur	-86	-74	12	-45	60
Krishna	-47	-48	1	-55	50
Prakasam	-87	-69	79	-68	10
Sirkakulam	42	-68	-37	-72	54
Visakhapatnam	-19	-22	-65	-37	54
Vizianagram	54	-62	-27	-70	25
West Godavari	9	27	-26	-38	-14
Telangana					
Adilabad	-66	-16	-98	-99	14
Hyderabad	-45	-50	-29	-100	78
Karimnagar	-55	-21	-95	-96	22
Khammam	-8	46	-85	-66	-13
Mehabubnagar	-57	-6	-14	-82	164
Medak	-56	29	-93	-100	32

Nalgonda	-68	-44	-83	-83	124
Nizamabad	-51	8	-92	-92	82
Rangareddy	-54	-22	-88	-87	70
Warangal	-41	15	-75	-72	48
Rayalaseema					
Anantapur	-84	-63	113	30	17
Chittoor	-93	-83	25	85	5
Cuddapah	-92	-89	-48	-38	137
Kurnool	-81	1	2	-28	104

- **Rainfall Forecast:** Rain/thundershowers are likely at many places with isolated heavy to very heavy rainfall during next 48 hours over the State.
- **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:** Satisfactory.
- **Advisory:** Farmers are advised to postpone irrigation and arrange for drainage facilities as rain/thundershower are likely at many places along with isolated heavy to very heavy rainfall during next 48 hours
- Undertake application of urea through top dressing in finger millet after current spells of rain.
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides in early sown crops after current spells of rain.
- **Major Seasonal Crop:** Sugarcane and Vegetables
- Farmers are advised to undertake intercultural operations in sugarcane and vegetables after current spells of rain to keep the fields weed free.
- Farmers are advised to sow *rabi* redgram, rajmah, cowpea and niger crops.
- **Plant Protection:** Weather conditions are favourable for mild incidences of –
- tikka leaf spot in groundnut. To control, spray Mancozeb @ 3 g or Hexaconazole @ 2 ml per litre of water.
- rice blast, leaf folder and brown plant hopper in paddy crop. To control blast spray tricyclozole @ 6 g/10 litres of water, for leaf folder spray quinolphos 2 ml/lit or monocrotophos 1.6 ml/lit of water and to to brown plant hopper drying of the field for few days, spray acephate @1.5 gm or monocrotophos @2.2 ml per litre of water and spray 200 litres of spray fluid per acre for any of the above pests.
- jassids and mealy bug in cotton. To control jassids spray Dimethoate @ 2 ml or Imidacloprid @ 0.25 ml per litre of water. For Mealy bug, collect and destroy the affected leaves. Keep the fields free from weeds, Spray Profenophos @ 3 ml per litre of water.
- scale insect and mealy bug in sugarcane. To control scale insect detrash the basal leaves and spray Dimethoate @ 1.7 ml or Malathion @ 3ml per litre of water. To control mealy bugs, detrash & spray Malathion @ 3 ml or Dimethoate @ 1.7 ml per litre of water.
- severe incidence of white fly in sugarcane in Krishna district. To control, place yellow sticky traps to attract and kill white flies, Spray Triazophos or Profenophos @ 2 ml per litre of water..

Karnataka

- **Rainfall Forecast:** Rain/thundershowers at many places over Coastal Karnataka during next 24 hours and decrease thereafter. Rain/thundershowers at a few places over interior Karnataka.
- **Major Kharif Crops:** Jowar, Maize, Bajra, Redgram, Ragi, Greengram, Blackgram, Cowpea, Sesamum, Groundnut, Sunflower, Soyabean, Cotton.
- **Crop Stage:** panicle initiation/flowering/grain formation (rice), pod formation (pulse crops), pod formation (groundnut), cob formation/grain development (maize).
- **Crop Condition:** Satisfactory.
- **Advisory:** Farmers are advised to postpone irrigation and arrange for drainage facilities as rain/thundershower are likely at many places along with isolated heavy to very heavy rainfall during next 48 hours
- For groundnut apply gypsum @ 200 kg/acre and undertake earthing up after current spells of rain.
- Farmers are advised to undertake intercultural operations, application of fertilizers and after current spells of rain.

- **Major Seasonal Crop:** Sugarcane and vegetables.
- Undertake intercultural operations in sugarcane and early sown crops over coastal Karnataka after current spells of rain to keep the field weed free.
- Farmers are advised to undertake field preparation and sowing of rabi crops like sorghum, gram, cowpea and maize
- **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.
 - Undertake spraying of chemicals after current spells of rain.

Kerala

- **Realised Rainfall:** The state received normal/excess rainfall except Kozhikode, Malapuram, Palakkad, Thiruvananthapuram and Wyanad districts, which received deficient / scanty rainfall during last week.
- **Rainfall distribution for last 5 weeks**

Kerala					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
Distribution of rainfall for districts of the state for last five weeks					
Alappuzha,	10	-12	-96	23	-14
Kannur	20	108	-94	15	31
Ernakulam	82	52	-80	106	79
Idukki	10	270	-53	-12	-11
Kasaragod	-16	33	-43	-76	85
Kollam	8	113	-84	24	25
Kottayam	11	4	-87	18	11
Kozhikode	116	130	-88	4	-22
Malappuram	125	156	-73	40	-71
Palakkad	75	231	-83	5	-47
Pathanamthitta	-76	61	-72	53	-4
Thiruvananthapuram	79	167	-98	-15	-23
Thrissur	107	101	-83	25	23
Wyanad	-85	83	-68	5	-61

- **Rainfall Forecast:** Rain/thundershowers are likely at many places the State.
- **Major Kharif Crops:** Rice
- **Crop Stage:** harvesting (*viripu* rice).
- **Crop Condition:** Good.
- **Advisory:** As rain/thundershowers are likely at many places, postpone irrigation to the standing crops
- Apply second dose of fertilizer in coconut. Apply fertilizers @ 500g Urea, 600g Rock phosphate and 800g Potash per plant after current spells of rain.
- Intercultural operations, application of fertilizers and pesticides may be continued after current spells of rain.
- Harvesting of *virippu* rice 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.
- 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 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.

Tamil Nadu

- **Realised Rainfall:** The state received deficient / scanty rainfall except Coimbatore, Sivganga, Tiruvallur, Tiruvannamalai, Vellore districts which received normal / excess rainfall.
- **Rainfall distribution for last 5 weeks**

Tamil Nadu					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Chennai	-2	-84	-66	-47	-26
Pondicherry	8	-99	-26	-83	-40
Distribution of rainfall for remaining districts of the state for last five weeks					
Coimbatore	277	1164	7	198	29
Cuddalore	-63	-68	-73	2	-21
Dharmapuri	-72	-78	48	85	-32
Dindigul	-80	-94	-31	65	-31
Erode	-24	-94	5	80	-41
Kanchipuram	114	-73	-27	2	-25
Kanyakumari	2	234	-94	13	-40
Karur	-100	-100	43	95	-84
Krishnagiri	-35	-75	211	135	-55
Madurai	-97	-100	-18	74	-25
Nagapattinam	-57	-83	-92	-15	-75
Namakkal	-66	-49	-8	40	-41
Nilgiris	-15	249	-38	21	-26
Perambalur	-100	-83	-100	80	-52
Pudukottai	-81	-87	1	126	-48
Ramanathapuram	-89	-100	-75	238	-51
Salem	-51	-13	8	80	-23
Sivaganga	-43	-100	61	76	127
Thanjavur	-87	-96	-17	124	-48
Theni	-51	112	-69	0	-45
Tirunelveli	-38	208	-34	30	-87
Tiruvallur	-1	-74	-86	-32	30
Tiruvannamalai	-6	-100	76	96	14
Tiruvarur	-100	-100	-63	119	-84
Trichy	-100	-100	-69	103	-76
Tuticorin	-100	-100	-54	141	-90
Vellore	50	-87	95	136	63
Villupuram	-61	-94	105	-16	-76
Virudhunagar	-100	-100	-75	133	-98

- **Rainfall Forecast:** Rain/thundershowers are likely at a few places over the State.
- **Major Kharif Crops:** Groundnut, pulses and rice
- **Crop Stage:** grain development (*kuruvai* rice), flowering/pod formation (pulses), picking (cotton)
- **Crop Condition:** Good
- **Advisory:**
- Due to the forecast of high wind in Coimbatore, farmers are advised provide mechanical support to sugarcane and banana.
- Farmers are advised to arrange for supplementary irrigation particularly to maize crop
- Undertake intercultural operations (weeding and earthing up) on a non rainy day 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 (Sowing/transplanting), Sugarcane, banana and vegetables.
 - Farmers are advised to prepare land for sowing of *thaladi* rice.
 - Intercultural operations, application of fertilizers may be continued in vegetables and sugarcane on a non rainy day.
 - 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) Dichlorvos 70 WSC 625 ml/ha on a non rainy day.

WEST INDIA [GOA, MAHARASHTRA, GUJARAT, RAJASTHAN]

Maharashtra

- **Realised Rainfall:** The state received deficient / scanty rainfall except Goa, Ratnagiri, Kolhapur, Sangli, Solapur, Beed, Usmanabad, Parbhani districts which received normal / excess rainfall.
- **Rainfall distribution for last 5 weeks**

State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
3 weeks continuously deficient to no rain					
Konkan & Goa					
Raigad	-10	67	-31	-48	-83
Sindhudurg	36	207	-33	-76	-21
Thane	-36	22	-58	-81	-60
Madhya Maharashtra					
Dhule	2	401	-60	-75	-93
Jalgaon	-20	198	-95	-95	-91
Nandurbar	55	147	-100	-100	-100
Nasik	32	138	-38	-66	-89
Marathwada					
Jalna	13	79	-74	-77	-88
Latur	-24	42	-93	-99	-21
Nanded	-34	0	-100	-100	-33
2 weeks continuously deficient to no rain					
Konkan & Goa					
Mumbai	-5	190	13	-37	-96
Madhya Maharashtra					
Ahmednagar	-36	104	36	-87	-82
Marathwada					
Aurangabad	-6	266	-13	-89	-98
Distribution of rainfall for remaining districts of the state for last five weeks					

Konkan & Goa					
Goa	139	199	-37	-67	-14
Ratnagiri	42	194	-34	-40	-15
Madhya Maharashtra					
Kolhapur	59	223	87	25	146
Pune	-47	24	81	29	-74
Sangli	-25	4	18	8	135
Satara	0	40	72	66	-39
Solapur	28	53	-20	-36	74
Marathwada					
Beed	-12	193	-20	-69	15
Usmanabad	-51	152	-50	-83	25
Parbhani	15	0	-73	-89	-16

- **Rainfall Forecast:** Rain/thundershowers are likely at many places over Konkan, Madhya Maharashtra, Marathwada with isolated heavy to very heavy rainfall over south Madhya Maharashtra and south Konkan. Rain/thundershowers are likely at a few places over Vidarbha.
- **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), soybean (pod formation), irrigated cotton (flowering / boll formation) and black gram (pod maturity / harvesting) and red gram (branching).
- **Crop Condition:** Good
- **Advisory:** As rain/thundershowers are likely at many places over Konkan, Madhya Maharashtra, Marathwada with isolated heavy to very heavy rainfall over south Madhya Maharashtra and south Konkan, postpone irrigation to the standing crops. Also provide adequate drainage facilities to avoid water logging.
 - Apply second dose of nitrogenous fertilizers to *kharif* rice in Vidarbha on a non rainy day.
 - Apply third dose of Nitrogenous fertilizer @20 kg N per ha to *kharif* paddy crop at flowering stage in Konkan & Kolhapur divisions after current spells of rain.
 - Continue sowing of *rabi jowar* and safflower in Vidarbha and Marathwada & after current spells of rain south 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 on a non rainy day in Vidarbha and after current spells of rain in Konkan, Madhya Maharashtra, Marathwada.
- **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 after current spells of rain.
 - 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 on a non rainy day.

Gujarat

- **Realised Rainfall:** Mainly dry weather was prevailed over the state during last week.
- **Rainfall distribution for last five weeks**

Gujarat					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
Gujarat Region					

Ahmedabad	124	-92	-92	-100	-100
Anand	73	-81	-98	-100	-100
Banaskantha	71	-97	-100	-100	-100
Baroda	65	-30	-100	-100	-100
Gandhinagar	111	-100	-100	-100	-100
Kheda	118	-94	-100	-100	-100
Mehsana	172	-92	-100	-100	-100
Panchmahal	87	-33	-100	-100	-100
Patan	225	-100	-100	-100	-100
Sabarkantha	221	-47	-100	-100	-100
Saurashtra, Kutch & Diu region					
Amreli	227	-87	-73	-100	-90
Bhavnagar	26	-20	-70	-100	-100
Jamnagar	354	-84	-100	-100	-100
Junagarh	104	-60	-100	-100	-100
Kutch	391	-100	-100	-100	-100
Porbandara	358	-69	-100	-100	-100
Rajkot	169	-98	-100	-100	-97
Surendranagar	112	-100	-98	-100	-100
3 weeks continuously deficient to no rain					
Gujarat Region					
Broach	37	-15	-100	-100	-100
Dahod	22	13	-100	-100	-100
Dangs,	-6	100	-94	-100	-100
DNH & Daman	-21	58	-99	-91	-100
Narmada	69	115	-100	-100	-100
Navsari	11	117	-96	-93	-100
Surat	103	139	-99	-100	-100
Valsad	-3	129	-97	-95	-93

- **Rainfall Forecast:** Mainly dry weather over the State during next 48 hours and isolated thereafter 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 the State received no 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.
 - 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 carbandezim @10 gm + mencozeb @ 20 gm in 10 liters of water

CENTRAL INDIA [M.P., CHHATTISGARH]

Madhya Pradesh

- **Realised Rainfall:** The state received scanty / no rainfall except Hosangabad district of West Madhya Pradesh and Balaghat district of East Madhya Pradesh received normal rainfall.
- **Rainfall distribution for last 5 weeks**

Madhya Pradesh					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					
East Madhya Pradesh					
Rewa	-32	-41	-82	-87	-100
Seoni	17	-26	-65	-100	-90
West Madhya Pradesh					
Bhind	19	-33	-50	-100	-100
Dewas	49	-71	-36	-100	-100
Harda	30	-66	-21	-100	-100
Sehore	30	-43	-62	-100	-100
3 weeks continuously deficient to no rain					
East Madhya Pradesh					
Chindwara	80	165	-49	-100	-100
Dindori	10	74	-82	-100	-99
Katni	-51	55	-25	-100	-91
Mandla	104	40	-95	-100	-48
Shahdol	-61	157	-92	-100	-79
Sidhi	-39	40	-90	-100	-100
Tikamgarh	36	17	-84	-100	-100
Umaria	-57	191	-76	-100	-100
West Madhya Pradesh					
Badwani	14	185	-100	-100	-74
Betul	22	18	-43	-100	-86
Bhopal	22	15	-46	-100	-100
Datia	8	58	-90	-100	-100
Dhar	-13	114	-100	-100	-99
Gwalior	-8	19	-74	-100	-100
Indore	43	157	-99	-100	-100
Jhabua	23	107	-100	-100	-100
Khandwa	-42	1	-99	-100	-100
Khargone	-38	122	-100	-100	-100
Mandsaur	49	84	-100	-100	-100
Neemuch	75	121	-100	-100	-100
Ratlam	57	50	-100	-100	-99
Shajapur	40	-10	-100	-100	-100
Sheopur Kalani	-44	-14	-81	-100	-100
Shivpuri	55	-1	-71	-100	-100
Ujjain	54	95	-84	-100	-100
2 weeks continuously deficient to no rain					
East Madhya Pradesh					
Chhatarpur	-18	-1	-19	-100	-92
Damoh	-16	42	28	-100	-98
Jabalpur	42	205	21	-100	-100
Narsingpur	92	272	141	-100	-95
Panna	-10	-54	31	-100	-100
Sagar	40	54	149	-100	-85
Satna	-54	67	-18	-100	-99
West Madhya Pradesh					
Guna	11	-35	2	-100	-100
Morena	-33	34	38	-100	-100

Raisen	78	29	116	-100	-100
Rajgarh	-1	-56	0	-100	-100
Vidisha	55	-30	87	-100	-100
Distribution of rainfall for remaining districts of the state for last five weeks					
East Madhya Pradesh					
Balaghat	30	-57	-85	-100	9
West Madhya Pradesh					
Hosangabad	44	66	39	-100	13

- **Rainfall Forecast:** Isolated rain/thundershowers are likely over the State during next 48 hours and at a few places thereafter.
- **Major Kharif Crops:** Rice, jowar, sunflower, jowar and soybean
- **Crop Stage:** tillering/panicle initiation (rice), pod formation/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 on a non rainy day.
- Also undertake top dressing of urea in maize, jowar, paddy and other *kharif* crops with recommended dose on a non rainy day.
- Arrange for harvesting of matured pods of pulse crops on a non rainy day
- **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 seedlings in the field.
- Farmers are advised to prepare land for planting of potato.
- Farmers are advised to undertake transplanting of chilli, tomato and onion.
- Farmers are advised to apply FYM/vermicompost, N, P, K at recommended dose for fruit crops on a non rainy day.
- Undertake intercultural operations in the seasonal crop on a non rainy day.
- **Plant Protection:**
 - Destroy YMV affected plants from soybean field and spray Methyl Demeton for controlling of vector.
 - Weather conditions are favourable for-
 - sucking pest and stem borer on vegetables, spray Metasystox 1 ml per litre of water or Ethophenprox 10 EC in 1 litre of water per hectre for sucking pest and Trijophos 40 EC 800 ml per hectre for stem borer.
 - tobacco caterpillar in soybean crop, spray Profenophos 40 EC and cypermethrin 4 EC @ 1 lit/ha.
 - boll worm and sucking pest in cotton crops, spray Profenophos 40% EC @ 3.0 ml/l.
 - pyrilla in sugarcane or shoot borer, spray Melathyon 1.5 litre per hectare in 700-800 litre of water.
 - Undertake spraying of chemicals on a non rainy day
- **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

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

Chattisgarh					
State/Districts	02.09.09	09.09.09	16.09.09	23.09.09	30.09.09
More than 3 weeks continuously deficient to no rain					

Bilaspur	-67	-49	-78	-94	-89
Dantewara	24	-45	-78	-67	-50
Dhamtari	-33	-97	-100	-100	-20
Durg	-22	-77	-80	-100	-49
Janjgir	20	-21	-93	-71	-58
Jashpurnagar	-8	-49	-80	-79	-67
Kanker	5	-33	-100	-100	-95
Korba	-11	-65	-69	-87	-62
Kowardna	20	-89	-96	-100	-43
Mahasumund	-37	-81	-100	-100	-24
Raigarh	-36	-31	-92	-57	-70
Raipur	-37	-64	-86	-98	-54
Rajandgaon	-43	-50	-84	-98	-69
Surguja	-43	-37	-97	-100	-78
3 weeks continuously deficient to no rain					
Koriya	-32	-6	-83	-60	-73
Distribution of rainfall for remaining districts of the state for last five weeks					
Bastar	17	-66	-97	-77	-6

- **Rainfall Forecast:** Rain/thundershowers are likely at a few places over the State.
- **Major Kharif Crops:** Rice, soybean, maize, sesamum, tur.
- **Crop Stage:** tillering/panicle initiation (rice), tasseling (maize), 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 on a non rainy day.
- Farmers are advised to undertake intercultural operations, application of fertilizers and pesticides on a non rainy day 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 on a non rainy day.
- stem borer in maize in Jagdalpur area; monitor the crop and undertake plant protection measures.