



Summary of Agromet Advisory Services for different States of the country

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The extended version of the bulletin is also available at <http://imdagrmet.org>

Agromet Advisory for the Problem Areas

Andhra Pradesh

Weather Forecast

- Rain/thundershowers are likely at many places over Coastal Andhra Pradesh and Telangana. Rain/thundershowers are likely at isolated places over the rest region of the State.

Advisories

Coastal AP

- The subdivision received excess rainfall during last two weeks which leads to further improvement in crop condition. Seasonal rainfall upto 6th August was also normal
- In **Vijayanagaram, Visagappattinam** and **Srikakulam** districts, there was 31-49 mm of rainfall during last week with possibility of ~77 to 106 mm rainfall for the next five days. Groundnut (sown in June) crop now relieved from the stress.
- Farmers in **Srikakulam, Vijayanagaram** and **Visakappattinam** districts are advised to continue sowing of green gram (MGG 295 and LGG 450 and 460) and red gram (LRG 30 and 41) with realized rainfall during last week and also with possibility of good amount of rainfall for the next five days. Farmers in **Srikakulam** are advised to continue transplanting of rice (RGL 2537 and Swarna Mashoori)
- **West Godavari, Guntur** and **Krishna** districts received good amount of rainfall during last week and are also likely to receive good rainfall during next five days. In **East Godavari, Krishna** and **Guntur** districts, incessant rains since 2nd August caused submergence of thousands of acres of fields. Heavy rains also expected in **East Godavari** in next 48 hrs.
- With the realized and expected rainfall, farmers are advised to complete sowing of cotton and nursery sowing of rice. Farmers in these districts are also advised to undertake sowing of red gram (LRG 38 and 41) and chillies (LCA 334 and 353). Transplanting of rice (BPT 5204) may also be undertaken in this week. Farmers are also advised to drain out excess water from submerged fields to avoid ill effects of water logging in **East Godavari, Krishna** and **Guntur** districts.
- In coastal AP the districts like **Prakasam** and **Nellore** received poor rainfall during earlier weeks which prevented the farmers to transplant rice till date. As these districts are covered under north east monsoon the farmers may wait for receipt of good rain for transplanting of rice upto the end of this month. The crops like red gram and chilli in **Prakasam** and red gram, castor, sunflower, horse gram etc. in **Nellore** may also be undertaken.

Rayalaseema

- The subdivision received excess rainfall during second fortnight of July and normal rain during last week. In **Anantapur** and **Kurnool** regions, there was only moderate amount of rainfall (11 and 37 mm, respectively) for the week ending 6th August. There is a possibility of ~3 and 11 mm rainfall for the next five days in the above districts respectively. Sowing of groundnut in 7 lakh ha is completed now (normal – 8 lakh ha). In remaining areas where farmers could not undertake sowing of groundnut may stop going for sowing now as sowing beyond 31st July is uneconomical. Farmers may go for other crops like sunflower if there is some rainfall due to cloud seeding practices in the districts or wherever irrigation facilities are available. Due to continuous dry spell, minor incidences of leaf webber are reported in early sown groundnut and some pest and diseases also reported in rice nursery and mainfield.

- Farmers in **Ananthapur** and **Kurnool** districts are advised not to continue sowing of groundnut (K6, ICGV 9114 and Narayani) along with red gram (LRG 30 and 41) as intercrop. If groundnut sowing is not undertaken, undertake sowing of red gram or sunflower as monocrop. Also continue to undertake planting of acid lime, papaya, sweet orange and mango with realized rainfall during last week.
- In **Chittoor** district, there was only light rainfall (4.3 mm) for the week ending 6th August. There is no possibility of any amount of rainfall for the next five days. Due to continuous dry spell upto second week of July, only 73000 ha could be sown for groundnut out of 148552 ha normal area. But as on 30th July, with receipt of good amount of rainfall, sowing of groundnut is completed in 130000 ha. Remaining 18500 ha will be covered in 3-4 days. Total area to be under cultivation is 231353 ha and so far 182473 ha is now under crops. The agricultural operations which are revived and was full swing in last week of July may become halt if the same trend will be continuing in the coming weeks also.
- Farmers in Chittoor district are advised to complete sowing of groundnut at the earliest with realized rainfall during last two weeks and undertake sowing of castor, red gram, horse gram and tomato. Due to continuous dry spell, minor incidences of thrips and sucking pests are reported in groundnut.
- In **Cuddappah** district which is most affected district as compared to **Chittoor** and **Nellore**, there was deficit rainfall (15 mm) for the week ending 6th August. There is no possibility of rainfall for the next five days. Due to continuous dry spell upto second week of July, only 15000 ha could be sown for groundnut out of normal groundnut area of 137393 ha. But with the receipt of deficit rainfall during last week, so far sowing is completed in 39000 ha. Total area to be under cultivation is 234097 ha but only 74415 ha is now under crops due to dry spell upto second week of July and deficit rainfall for the past two weeks. It is not advisable to go for groundnut beyond 31st July, as an alternative redgram, pulses and castor may be undertaken as a contingent crop and if canal water is released farmers can readily go for sowing of other crops.
- Farmers in **Cuddappah** district are advised to undertake sowing of alternate crops like castor, red gram and horse gram with realized rainfall during last week of July and transplanting of rice in August with canal irrigation.
- In **Nellore** district, there was deficient rainfall (10 mm) for the week ending 6th August. There is a possibility of ~3 mm rainfall only for the next five days. Rice is cultivated in 32000 ha. But this year, transplanting of rice was completed in 62000 ha with the use of bore wells. Total area to be under cultivation is 115410 ha and so far 96815 ha is now under crops. Agricultural operations in full swing during last week of July due to receipt of excess rainfall during the said period and likely to be affect if the same trend to continue for coming weeks also.

Telangana

- There was further improvement in crop condition due to receipt of good amount of rainfall in **Rayalaseema** during last week. The subdivision received excess rainfall (around twice the normal) for the week ending 6th August. **Warrangal, Nizamabad, Adilabad, Karimnagar, Hyderabad** and **Khammam** districts received around 93-176 mm rainfall whereas the remaining districts received 65-70 mm rainfall. There is a possibility of ~32 to 130 mm rainfall in the above districts for the next five days. Due to excess rainfall, reservoirs are filled and lead to increase in water table.
- Due to excess rainfall, early sown cotton and groundnut recover form the stress conditions.
- Due to receipt of sufficient amount of rainfall during last week and also with possibility of good amount of rainfall for the next five days, farmers in **Medak, Warrangal, Karimnagar** and **Nizamabad** and in plains of **Adilabad** and **Khammam** are advised to continue transplanting of rice (JGL 1798)
- In high altitude areas of **East Godavari** and **Adilabad**, around 121 and 175 mm of rainfall respectively was received during last week; **Khammam** received 193 mm and **Visakappattinam** received 31mm of rainfall.
- In view of sufficient amount of rainfall received during last week and also with possibility of good amount of rainfall for the next five days, farmers in high altitude areas of **East Godavari, Adilabad, Khammam** and **Visakappattinam** districts are advised to complete

transplanting of rice and continue sowing of maize (Aswini and Varun), ragi (Godavari and Ratnagiri) and minor millets.

Rainfall Distribution during last three weeks

Andhra Pradesh	Rainfall (% Departure) for last three weeks and season ending (01.06.08 to 06.08.08)			
	Districts	23/07/08	30/07/08	06/08/08
Coastal Andhra Pradesh				
East Godavari	-4	83	218	32
Guntur	43	69	154	27
Krishna	14	89	226	36
Nellore	-2	123	-36	-22
Prakasam	116	12	-26	-30
Sirkakulam	-24	129	7	-15
Visakhapatnam	-35	74	-15	-27
Vizianagram	31	214	6	1
West Godavari	53	85	233	33
Telangana				
Adilabad	-47	7	152	-4
Hyderabad	-73	55	149	-22
Karimnagar	-26	-8	110	-8
Khammam	3	99	189	51
Mehabubnagar	-55	3	12	-42
Medak	-38	4	30	-40
Nalgonda	27	-2	188	-8
Nizamabad	-28	55	34	-17
Rangareddy	-63	32	95	-24
Warangal	7	41	240	25
Rayalaseema				
Anantapur	86	39	-23	48
Chittoor	21	82	-79	-16
Cuddapah	-33	-47	-30	-59
Kurnool	8	47	34	-17

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

Kerala

Weather Forecast

- Rain/thundershowers are likely at isolated places over the State.

Advisories

- Since the onset of monsoon until third week of June, many districts received deficient rainfall. But during last week of June, there was excess rainfall. During first week of July, all the districts received scanty rainfall. During last week of July, all the districts received minimum 120 mm rainfall and maximum 360 mm. Though there was deficient rainfall during last week in the State as a whole, all the districts received good amount of rainfall (14 to 129 mm rainfall during last week also. There is a relief from crop stress conditions in early sown crops. There is a possibility of 30-145 mm rainfall in the districts for the next five days
- In **Thiruvananthapuram** district received 14 mm rainfall during last week and there is a possibility of 30 mm rainfall in the districts for the next five days. Due to continuous dry spell upto second week of July, early transplanted rice showed stress symptoms. The crop

now recovers with receipt of some amount of rainfall(124 mm) during last week of July. Rice transplanting is also completed.

- Late transplanting may lead to the attack of gall midge. Monitor the crop for the pest and undertake plant protection measures to control the pest
- **Malappuram, Kozhikode, Kasargod and Kannur** districts received 74 to 116mm rainfall during last week. Due to continuous dry spell upto second week of July, rice varieties like Adhira, Jyoti and Jaya showed stress symptoms. The crop now recovers with receipt of some amount of rainfall during last three weeks.
- As there is a possibility of good amount of rainfall(92-145 mm) for the next five days, farmers are advised to undertake intercultural operations and application of fertilizers.
- **Palakkad, Thrissur, and Ernakulam** received varied amounts of rainfall from 54 to 85 mm during last week. There is a possibility of ~63 to 86 mm rainfall in the districts for the next five days. Crops like rice and vegetable suffered due to dry conditions upto second week of July now recover from the stress
- Farmers in **Thrissur** are advised to complete sowing of bitter gourd, Dolichos bean (DL 6 and Revathy), Amaranthus (CO 6) and cowpea with realized rainfall during last two weeks and also with possibility of good amount of rainfall for the next five days. Farmers in other districts are advised to undertake intercultural operations and application of fertilizers.

Rainfall Distribution during last three weeks

Kerala	Rainfall (% Departure) for last three weeks and season ending(01.06.08 to 06.08.08)			
	Districts	23/07/09	30/07/08	06/08/08
Alappuzha	42	103	-100	-16
Kannur	-94	20	-92	-38
Ernakulam	-25	8	-57	-35
Idukki	-37	96	-100	-28
Kasaragod	-77	39	-76	-23
Kollam	-5	162	-100	-22
Kottayam	1	70	-94	-31
Kozhikode	-95	33	-51	-34
Malappuram	-91	39	-86	-38
Palakkad	-88	60	-32	-32
Pathanamthitta	39	123	-100	-14
Thiruvananthapuram	-25	141	-86	-40
Thrissur	-69	15	-95	-38
Wyanad	-85	28	-80	-62

Karnataka

Weather Forecast

- Rain/thundershowers are likely at many places over Coastal Karnataka during next 48 hours and increase thereafter. Rain/thundershowers are likely at a few places over interior Karnataka and isolated over the rest region of the State

Advisories

Coastal Karnataka

- In view of good amount of rainfall received during last two weeks and also with possibility of good amount of rainfall for the next five days, farmers are advised to undertake transplanting of rice (MO 4 and Champaka). If nursery is not raised, undertake direct drum seeding of rice. Also undertake planting of cashew and banana with the realized rainfall.
- During this monsoon, the subdivision received excess/normal rainfall upto 18th June and during third week of June, rainfall was scanty. During last week of June, excess rainfall was received. But during first fortnight of July and 3rd week of July, scanty rainfall was received. The condition was improved with the receipt of excess rainfall in all the three districts during last week of July. Though the receipt of rain during last week is deficient, there was good amount of rainfall in **Udupi, Uttar Kannada and Dakshin Kannada** (~126 to 159 mm) for the week ending 6th August with a possibility of 170 to 199 mm of rainfall for the next five days.

- Due to continuous dry spell upto second week of July, rice transplanting could not be undertaken in **Udupi** and **Dakshin Kannada**. But due to receipt of good amount of rainfall during last two weeks, transplanting is continued now.

North Interior Karnataka

- During last two weeks the districts in **North Interior Karnataka** namely **Dharwad, Belgaum, Bidar, Gulbarga** and **Haveri** received good amount of rainfall to the tune of 37-85mm Hence those districts, relived from continuous dry spell and normal agricultural operations may be continued.
- Five districts **Raichur, Koppal, Bijapur, Gadag, Bagalkot** in **north Interior Karnataka** and **Bellary** in **South Interior Karnataka** are under stressed condition. During last week **Raichur** received 16 mm rainfall and rainfall forecast is 14 mm. The farmers in **Raichur** area are advised to continue sowing of cotton, redgram and bajra wherever there is access for canal water. Farmers in the remaining districts of north Interior Karnataka are advised to go for contingent crops for first fortnight of August due to continuous dry spell in July. Contingent crops for first fortnight of August like short duration sunflower, bajra and fodder maize has been suggested.
- The Contingent crop plan that can be suggested for August first fortnight sowing, (Failure of rainfall in the months of June and July)
- In red soils and shallow black soils, undertake sowing of sunflower, navane, castor, ragi, bajra, horsegram, bajra + pigeonpea (2:1 rows); groundnut + pigeonpea (3:1 or 4:2 rows) and fodder maize and bajra. In medium to deep black soils, undertake sowing of pigeonpea, bajra, sunflower, horsegram, herbacium cotton + groundnut and fodder maize and bajra
- The Contingent crop plan that can suggested for August second fortnight sowing, (Failure of rainfall in the months of June and July and first fortnight of August)
- In red soils and shallow black soils, undertake sowing of sunflower, navane, castor, and fodder maize and bajra. In medium to deep black soils (where kharif sowing are done), undertake sowing of pigeonpea, bajra, Sunflower, horsegram, herbacium cotton + groundnut and fodder maize and fodder bajra. In medium to deep black soils (where kharif sowings are not done but preserved for rabi sowings), avoid sowing of any crops during kharif. Soil and water conservation measures (compartment bunding, counter bunds, repeated harrowing etc) may be followed.
- Farmers in **Bidar** region are advised to continue sowing of red gram (Maruti and BSMR 736), bajra and spreading groundnut till the end of July with realized rainfall during last week and also with possibility of good amount of rainfall for the next five days. Farmers are also advised to adopt suitable in-situ rain water harvesting/conservation practices in rainfed areas.
- There was good amount of rainfall in **Dharwad, Haveri** and **Belgaum** districts (~31-37 mm) for the week ending 6th August with a possibility of ~107-155 mm of rainfall for the next five days. Sowing of maize, onion, chillies is continued.
- Farmers in **Dharwad, Haveri** and **Belgaum** districts are advised to undertake sowing of maize (Kargil, M 330), planting of onion and transplanting of chillies with realized rainfall during last week and also with possibility of good amount of rainfall for the next five days. Also in parts of **Belgaum** and **Haveri** sowing of groundnut (JL 24) may be continued. Farmers are also advised to adopt suitable in-situ rain water harvesting/conservation practices in rainfed areas.
- In **Gulbarga**, there were 42 mm of rainfall, respectively, for the week ending 6th August with a possibility of ~43 and 14 mm of rainfall for the next five days.
- In view of sufficient amount of rainfall received during last week, farmers in **Gulbarga** districts are advised to continue sowing of cotton (Bt cotton), late varieties of red gram (GS 1, Maruti, PT 221 and Asha) and bajra (WCC 75 and ICTP) upto second week of August and sunflower during second week of August.
- In **Bijapur**, only 2 per cent of kharif cropping area has been sown in low lying areas. But due to dry conditions, the standing crops wither and could not be saved. In **Bagalkot**, sowing of green gram, pearl millet, ground nut and soybean crops was undertaken. 25-30% khraif crops area was covered including sugarcane. For the week ending 30.07.08, some of the areas in the district received thundershowers. However, large area of the rainfed crops faces extreme stress condition. Rainfed crops in the district are likely to be failure. In **Bellary**, only ten percent of the khraif cropping area was sown. Kharif sorghum, the major crop, has failed due to

continuous dry spell during the season. No remedial measures could be taken up. In **Gadag**, only seven percent of the kharif crop area has been taken up for sowing, of which green gram was predominant has failed. No remedial measures could be taken up. In **Koppal**, green gram and pearl millet were sown in less than 10% of kharif cropping area. They are withering and could not be saved. In parts of **Dharwad**, sowing of green gram, cotton and soybean has been taken up in parts of the district. The rainfed crops face extreme stress condition.

South Interior Karnataka

- The subdivision received excess/normal rainfall during first week of June only and since then scanty rainfall was received till second week of July except few districts which received normal rainfall
- **Bangalore** received 17 mm for the week ending 6th August with a possibility of ~9 mm of rainfall for the next five days. With the receipt of rainfall, crop sowing is in normal condition
- .Due to receipt of sufficient rainfall during last two weeks and also with possibility of rainfall for the next five days, farmers are advised to complete sowing of jowar, red gram, cowpea, horse gram and maize and planting of onion, potato, garlic and chillies
- In **Chitradurga**, there was 13 mm of rainfall during last week and chance of 45 mm rainfall for the next five days. Normally groundnut sowing is undertaken in 1.5 lakh ha area. But so far, sowing of groundnut is completed in 90000 ha only. Still 40% area is to be sown. Particularly, in **Molakalmur taluk**, dry conditions prevail continuously for 2.5 months and agricultural operations are severely affected. In other parts of the district, crops like groundnut, sunflower, maize, ragi and red gram are in good condition and now at germination/seedling stage.
- Due to receipt of sufficient amount of rainfall during last week and also with possibility of good amount of rainfall for the next five days, farmers in **Chitradurga** are advised to undertake sowing of groundnut (TMV 2) upto second week of August and sowing of horse gram, sunflower and ragi after second week of August. Also apply fertilizers and manures to orchard crops (pomegranate, sapota and mosambi) as there is sufficient moisture in the field
- **Mysore** and **Tumkur** received 13 and 11 mm and **Mandya** and **Samraj Nagar** districts received 5 and 5 mm during last week and also possibility of good amount of rainfall for the next five days.
- Farmers are advised to undertake sowing of ragi (Indaf 8, MR 1, 6 L 5, HR 911 and GPU 28) upto July end and GPU 28 and Indaf 5 varieties of ragi, sunflower (KBSH 41 and 44), maize (NAC 6004 and NAC 6002 varieties and Nityashri hybrid) and short duration pulses like green gram, black gram, cowpea and horse gram upto next month. With the receipt of water from KRS, undertake transplanting of Thella, Hamza, KRH 1, Mangala, Mukthi, Bilimukthi and Rasi upto July end and undertake planting of sugarcane (CO varieties – 419, 62175, 7804, 8371 and 86032)

Rainfall Distribution during last three weeks

Karnataka	Rainfall (% Departure) for last three weeks and season ending (01.06.08 to 06.08.08)			
	Districts	23/07/08	30/07/08	06/08/08
Coastal Karnataka				
Dakshin Kannada	**	60	-34	-22
Udupi	**	37	-50	-27
Uttar Kannada	**	31	-29	-35
North Interior Karnataka				
Bagalkote	**	-16	-56	-50
Belgaum	**	32	30	-16
Bidar	**	38	74	-16
Bijapur	**	-4	-30	-63
Dharwad	**	28	8	-30
Gadag	**	-25	-67	-35
Gulbarga	**	89	16	-33
Haveri	**	52	17	-22
Koppal	**	-16	-1	-53
Raichur	**	9	-47	-63

South Interior Karnataka				
Bangalore Rural	**	71	-25	0
Bangalore Urban	**	145	13	70
Bellary	**	-35	-27	-53
Chamarajnagar	**	101	-60	6
Chickmagalur	**	149	8	-1
Chitradurga	**	51	-10	-8
Davangere	**	44	4	-28
Hassan	**	58	-57	-49
Kodagu	**	191	25	-4
Kolar	**	103	-43	27
Mandya	**	110	-64	63
Mysore	**	162	-33	-3
Shimoga	**	102	-14	-20
Tumkur	**	145	-35	53

Maharashtra

Weather Forecast

- Rain/thundershowers are likely at many places over Konkan & Goa, Madhya Maharashtra and Marathwada during next 48 hours and increase thereafter. Rain/thundershowers are likely at many places over Vidarbha region.

Advisories

- **Konkan** has received sufficient rain during last few days as well as during the season and is also likely to receive good rain during next five days. Transplanting of rice and sowing of ragi have already been carried out in most of the areas. Farmers are advised to postpone irrigation to the crops and arrange for adequate drainage to avoid water logging.
- Districts of **East Vidarbha** received sufficient rain during last week and are also likely to receive rain during next five days. Conditions are favourable for completing transplanting operations of rice in the districts of **East Vidarbha**. The varieties of rice are PKVHMT, PKV Khamang, Shindewahi 1, Shindewahi 5, Shindewahi 2001, Makarand, Sakoli 8, MTU 1001. Farmers are advised to complete sowing of crops like soybean, cotton, tur etc. Select varieties from TAMS-38, JS-335 & PK-472 varieties for soybean, BT Ransi, PKV hybrid 7 etc. for cotton and Maruti, C 11 etc. for red gram.
- The districts of **West Vidarbha** except **Akola, Amravati, Buldhana** and **Washim** received good rain during last week and all the districts are also likely to receive good rain during next 5 days. Even condition is expected to improve in the districts like **Akola, Amravati** and **Buldana** which received limited rainfall during last week. Farmers are advised to sow kharif crops like red gram, bajra and sunflower etc. utilizing realized rain and also expected rain during next five days. Select varieties from C 11, BDN 2, TAT 10, ICPL 87 etc. varieties for red gram, Shradha, Saburi etc. for bajra and Morden, PKVSF 9, TAS 82 etc. for sunflower.
- Sowing is also delayed in all the districts of **Marathwada** due to continuous dry spell. Even though **Beed, Latur** and **Usmanabad** received good rain, **Aurangabad, Jalna, Nanded** and **Parbhani** received deficient rain during last week. However, most of the districts of this region received rain during the week ending on 30th July. All the districts are also likely to receive good rain during next 5 days. Farmers of this region are advised to prepare land utilizing rain during last couple of weeks and expected rain during next five days and undertake sowing of short duration kharif crops (hybrid bajra, sunflower and inter crops like tur + soybean, bajra + tur, castor + tur and castor + sesame). Select varieties from GHD 558, Shradha, Saburi, AHB 1666 (Pratima), ICTT 8230 etc. for hybrid bajra, AIME 92901, PPC 6 (Sampada) etc. for bajra, LS 11, Morden, KDSH 1 for sunflower, MAUS 47, MAUS 71 (Samriddhi) for soybean, BDN 708, BSMR 736, BSMR 853 for red gram, DCS 1 (Jyoti), Aruna for castor and No. 85, Phule 1, Punjab 1 for sesame.

- Sowing is also delayed in **Madhya Maharashtra** except **Kolhapur** and **Satara** districts which received sufficient rain to carry out sowing / transplanting operation during earlier weeks and during the season.
- In **North Madhya Maharashtra**, **Nashik** district received good rain during last two weeks whereas, **Nandurbar** received deficient rain during last three weeks. Utilising good rain during earlier weeks and expected good rain during next five days in **Nashik**, sowing may be completed in this district if not done till date. Even though there is less rain in **Nandurbar** during earlier weeks, good rain is likely to occur during next five days. Utilising expected rain sowing may also be continued in **Nandurbar** district if not done till date. For sowing select the varieties like BDN-1, BDN-2 and ICPL-87119 for tur, EC-68414, SS-56 & Bhanu for sunflower, S-8, M-2 and BM-4 for green gram and T-9 and TPU-4 for black gram.
- Sowing is also delayed in remaining districts of **Madhya Maharashtra** i.e. **Ahmednagar, Dhule, Pune, Jalgaon, Sangli** and **Solapur** due to continuous deficient rain during earlier weeks. As **Ahmednagar, Dhule, Jalgaon** and **Solapur** received rain during last couple of weeks and are likely to receive good rain during next five days. Even though Pune received deficient rain during last few weeks, condition may be favourable for sowing due to possibility of good rain during next five days in this district. Farmers of these districts are advised to prepare land and undertake sowing of short duration kharif crops (red gram, sunflower, soybean and castor and inter crops like sunflower + tur, tur + cluster bean etc.). Select varieties from ICPL 87 for red gram, Girija and Aruna for castor and KBSH 1, RSH 1, MSFH 8, MSFH 17, KBSH 44 etc. for hybrid sunflower and SS 56, Morden, EC 68414, Bhanu etc. for high yielding varieties of sunflower for **Dhule** and **Ahmednagar** districts and ICPL 87 for red gram, MSFH 17, SS 56, Morden, Bhanu for sunflower, JAUCH 1, GCH 7, DCH 519 etc. for castor and JS 335, MACS 450 etc. for soybean for **Pune, Jalgaon** and **Solapur** districts.
- **Sangli** continued to receive poor rain during last week. However, this district may receive rain during next five days. Farmers of this district are advised to prepare land with expected rain during next five days and wait for sufficient rain for sowing of short duration kharif crops.

Rainfall Distribution during last three weeks

Maharashtra	Rainfall (% Departure) for last three weeks and season ending (01.06.08 to 06.08.08)			
Districts	23/07/08	30/07/08	06/08/08	Season
Konkan & Goa				
Goa	-25	7	29	-14
Mumbai	-93	245	-24	23
Raigad	-81	90	-11	-7
Ratnagiri	-76	49	8	-18
Sindhudurg	-39	44	36	-15
Thane	-86	87	5	3
Madhya Maharashtra				
Ahmednagar	-80	96	63	-38
Dhule	-100	136	-66	-51
Jalgaon	-99	124	-42	-40
Kolhapur	-88	53	43	-7
Nandurbar	-99	-64	-63	-31
Nasik	-60	102	74	21
Pune	-99	-45	-64	-56
Sangli	-99	-30	-77	-60
Satara	-85	-35	12	-40
Solapur	-98	120	78	-40
Marathwada				
Aurangabad	-91	12	-41	-47
Beed	-60	-3	63	-42
Jalna	-53	63	-57	-40
Latur	-42	-20	34	-45
Nanded	-34	-26	-45	-45
Usmanabad	-76	40	125	-36
Parbhani	-64	105	-38	-31

Vidarbha				
Akola	-74	57	-49	-45
Amraoti	-47	115	-45	-37
Bhandara	-21	68	42	-10
Buldhana	-32	114	-50	-34
Chandrapur	-30	73	169	5
Gadchiroli	-49	60	132	11
Gondia	-41	70	104	4
Nagpur	-33	190	23	5
Wardha	36	200	49	-5
Washim	-17	21	-38	-33
Yeotmal	-8	4	34	-35

Gujarat

Weather Forecast

- Rain/thundershowers are likely at a few places over the State.

Advisories

- As the districts of **South Gujarat** region like **Bharuch, Narmada, Surat, Navsari, The Dangs** and **Valsad** received rain during last couple of weeks and are likely to receive good rain during next five days, farmers are advised to complete preparation of land and transplanting of rice and sowing of other kharif crops immediately in the districts of this region if not done till date.
- In Gujarat region, the districts like **Anand, Vadodara, Kheda, Panchmahal** and **Dahod** received rain during last couple of weeks and are likely to receive rain during next 5 days. The farmers of **Anand** and **Kheda** are advised to complete transplanting of rice varieties like Gurjari during this week. The farmers of all these districts are advised to complete sowing of cotton (varieties GCOT 4, GCOT 6), soybean (variety JS 335), green gram (variety GM 4) and Cluster bean within this week. The crops like castor (varieties GCH 4, GCH 5) and cluster bean may be sown upto middle of August in these districts.
- In Gujarat region, **Ahmedabad** also received good rain during last couple of weeks and are likely to receive adequate rain during next 5 days. The farmers of this district are advised to complete transplanting of rice varieties like Gurjari and GR 11 during this week. The farmers may also sow cotton (varieties COT Hybrid 10, COT Hybrid 12) and castor (varieties GCH 4, GCH 5) upto middle of August.
- In north Gujarat region, even though rain was poor during earlier part of the season in **Banaskantha, Patan, Gandhinagar** and **Sabarkantha**, but the districts **Banaskantha** and **Patan** received good rain during last week and **Gandhinagar** and **Sabarkantha** received good rain during last couple of weeks. As large area of **Gandhinagar** and **Sabarkantha** and considerable area of **Patan** and **Banaskantha** are under irrigation, timely sowing of cotton in **Patan** and **Sabarkantha** and groundnut in **Banaskantha** and **Sabarkantha** have already been done with assured irrigation. Utilising realized rain and also expected rain during next five days, farmers of rainfed areas are advised to sow sesame, cluster bean, fodder maize and castor in these districts. Select varieties from Gujarat Til 1, Gujarat Til 2 for sesame, Gujarat Cluster bean 2 for cluster bean and African Tall for maize.
- In the districts of **Saurashtra** and **Kutch**, cotton and groundnut have already been sown during earlier part of the season utilizing rainfall occurred during earlier period and the crops are also in good condition. The districts of this region received rain during last couple of weeks and are likely to receive good rain during next five days. The farmers who could not sow the crops till date are advised to prepare land and undertake sowing of green gram (GG4, GG 2 and K 851) and black gram (T 9 and GB 1) during this week and castor (varieties GCH 4, GCH 6, GCH 7 etc.) and red gram (BDN 2, GT 1 etc.) upto middle of August utilizing realized rain and expected rain.

Rainfall Distribution during last three weeks

Gujarat	Rainfall (% Departure) for last three weeks and season ending (01.06.08 to 06.08.08)			
	23/07/08	30/07/08	06/08/08	Season
Gujarat region				
Ahmedabad	-97	9	154	-1
Anand	-92	-30	53	-38
Banaskantha	-97	-68	143	-31
Baroda	-92	-7	4	-32
Broach	-86	-49	-13	-29
Dahod	-99	-41	-17	-42
Dangs,	-86	-58	67	-26
DNH & Daman	-88	66	39	-19
Gandhinagar	-100	-8	93	-21
Kheda	-99	34	39	-31
Mehsana	-99	-23	87	-20
Narmada	-75	-59	12	-13
Navsari	-89	6	77	0
Panchmahal	-97	-2	-18	-40
Patan	-100	-31	218	-18
Sabarkantha	-97	35	-13	-28
Surat	-84	-19	52	0
Valsad	-80	52	49	-6
Saurashtra, Kutch & Diu region				
Amreli	-89	184	-37	1
Bhavnagar	-92	-23	134	1
Diu	-90	265	-26	8
Jamnagar	-99	121	-38	0
Junagarh	-89	278	-39	25
Kutch	-98	-47	71	-37
Porbandara	-99	332	-30	-18
Rajkot	-98	66	8	-20
Surendranagar	-98	-31	90	-40

Agromet Advisory for Normal Areas

North West India (Haryana, Punjab, Rajasthan, Uttar Pradesh, Delhi, Himachal Pradesh, Jammu & Kashmir and Uttarakhand)

Punjab

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- Farmers are advised to complete sowing of short duration hybrid maize 3459, PMH2 & Parkaash in the remaining areas of undulating plain and sub-montane undulating plain zone comprising of Gurdaspur, Hoshiarpur, Ropar, and Patiala districts as good amount of rainfall is expected during next five days. In the remaining districts sowing of other *kharif* crops including maize have already been completed.
- As Faridkot, Fatehgarh Sahib, Ferozpur and Sangrur districts almost dry for continuous five weeks and only moderate amount of 27-54 mm rainfall is expected in these districts, apply irrigation to the standing crops. As good amount of rainfall is likely at many places over all the other districts of State during next 24 hours and decrease thereafter, farmers are advised to postpone irrigation to the standing crops like sugarcane, vegetables and early sown cotton, groundnut and maize.
- Farmers are advised to undertake weeding, intercultural operations and application of fertilisers in already sown crops after current spells of rain as more rainfall is likely.

Haryana

Weather Forecast

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- Farmers in western zone are advised to complete sowing of bajra, guar and pulses in rainfed areas with certified seeds of bajra (HHB 60, HHB 67, HHB 67 improved, HHB 117, HHB 146, HC 10 & HC 20); guar (HG 75, HG 365 & HG 563); groundnut (MH 2, MH 4, M 45, M13), maize(HM1, HM2, HM4, HM5 & QPM1) and moong (Asha & Muskan) as good amount of rainfall is expected during next five days.
- As Gurgaon, Faridabad, Kurukshetra, Fatehabad, Hisar, Jind, Karnal, Panipat, Rohtak, Sirsa, Sonapat districts received deficient rainfall during last few weeks and only moderate rainfall is expected over these districts, farmers are advised to irrigate the sugarcane, vegetables and sugarcane, early sown cotton, maize, guar and bajra crops.
- In the remaining districts, as there was sufficient rain during last few weeks and good amount of rainfall is likely at many places during next five days, farmers are advised to postpone irrigation to the standing crops
- Farmers are advised to undertake weeding, intercultural operations and application of fertilisers in already sown crops after current spells of rain as more rainfall is likely.

Rajasthan

Weather Forecast

- Rain/thundershowers are likely at a few places over the State.

Advisories

- As there was sufficient rain during last week and rain is also likely to occur at a few places over the State for next three days, postpone irrigation to the crops.
- Weather conditions are favourable for mild incidences of white grub in groundnut. Monitor the crop for the pest. To control the pest, spray Endosulfan @ 2.5 litres/ha in Dausa and Jaipur.
- Undertake intercultural operation and application of plant protection measures to the crops on a non-rainy day.
- Vaccinate the cattle to save from infections/ diseases like Black Quarter and FMD etc in Alwar, Sawai Madhopur, Karauli, Dholpur and Bharathpur districts.

Uttar Pradesh

Weather Forecast

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- Farmers are advised to continue transplanting of rice as good amount of rainfall was received during last few weeks and good rainfall is expected in next five days in all the districts of the State.
- As rain/thundershowers are likely at many places over the State during next 24 hours with isolated heavy rainfall over the State and decrease thereafter, postpone irrigation to sugarcane and early sown *kharif* crops.
- Continue field preparation and sowing of tur, bajra, urd, moong, maize and til by utilizing the realized rainfall.
- Weeding, hoeing, intercultural operations and application of fertilizers/pesticides in early sown *kharif* pulses, maize, sugarcane and crops may be done after current spells of rain.

Himachal Pradesh

Weather Forecast

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- As rain / thundershowers are likely at many places over the State for next 24 hours, postpone irrigation and intercultural operation to the crops.
- As maize crop is very much susceptible to water logging, ensure proper drainage in already sown maize field.
- Prepare land and complete transplanting of rice.
- Start sowing of nurseries of tomato.
- It is optimum time for plantation of evergreen plants like Mango, litchi, guava, citrus, loquat and amla in Sub-mountain & Low hills Sub tropical zone. Plant the saplings in 3x3x3 cubic feet pit. Add 40-50 kg FYM + 300g SSP + chlorpyrifos @ 10ml / 10 litres of water per pit before planting.
- There is chance of attack of red beetle and fruit fly in cucurbits in Sub-mountain & Low hills Sub tropical zone as weather is conducive. If infestation crosses economic threshold level, spray malathion 1 ml / litre +50 gram gur or sugar to control these insects.
- There is chance of attack of San Joje Scale in apple. To control the San Joje Scale in apple spray 400 ml Chlorpyrifos per 200 liters of water only on the affected plants.
- There is chance of attack of flower and fruit borer in Pomegranate in Mild Hills Sub Humid zone and High Hills Temperate wet zone. For the control of flower and fruit borer in Pomegranate, spray 200 ml Ripcard (spermathrine 10 EC) or 80 ml Challenger (spermathrine 25 E.C) or 200 ml Monocrotophos @ 200 liters of water at the interval of 20 days.
- Undertake sowing and application of plant protection measures after current spells of rain.

Uttarakhand

Weather Forecast

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- Farmers are advised to continue sowing of groundnut, maize, amaranthus, finger millet, soybean and vegetables in the remaining areas of Tehri, Haridwar, Dehradun, Nainital and Pauri Districts as sufficient rainfall for sowing was received in these districts.
- Farmers are advised to wait for sufficient rainfall for sowing of moong varieties like Pant Moong-2, Pant Moong-4, Narendra Moong-1 and soybean in remaining areas of Uttam Singh Nagar
- As rain/thundershowers are likely at many places over the State for the next three days, postpone irrigation to sugarcane, vegetable crops and orchard trees.
- Undertake intercultural operations in early transplanted rice, orchards and sugarcane after current spells of rain to keep the field weed free.

Jammu & Kashmir

Weather Forecast

- Rain/thundershowers are likely at a few places over the State

Advisories

- As there was sufficient rainfall received in the State during last week and rain/thundershowers is likely at a few places during next three days, postpone irrigation to the standing crops.
- In Kashmir regions, drain out water from rice fields after maximum tillering stage. Apply top dressing of nitrogen to rice in Jammu and Kashmir regions on non rainy day.
- Apply top dressing of Nitrogen to maize crop on a non rainy day in Kashmir region.
- Undertake sowing of cabbage and cauliflower and planting of fruit crops in Jammu division.
- Present weather is congenial for blight and leaf spot in tomato and downey mildew in cucurbits under such situation spray the crop with fixed copper @0.3% or diathane Z-78 @0.2% at 10-12 days intervals when weather is clear in Jammu region.

Delhi

Weather Forecast

- Rain/thundershowers are likely at a few places over the state.

Advisories

- As rain / thundershowers are likely over the state, postpone irrigation to the standing crops. Also arrange for draining out excess water from the fields of maize, vegetables, arhar etc. to avoid water logging.
- The farmers are advised to transplant cauliflower seedlings after current spells of rain.
- The farmers are advised to sow early maturing raddish varieties like Hill Queen on the ridge.
- There is chance of attack of fruit and shoot borer in brinjal due to favourable weather condition. Farmers are advised to collect the infested shoots from 15 days old plants and destroy them. Apply rogor or endosulphon @ 2 ml / litre of water to control the insect.
- There is chance of attack of stem borer in rice due to favourable weather condition. Farmers are advised to use pheromone traps within the crop field to reduce the infestation. Trichogramma card @ 1 – 3 cards/acre may also be used.
- There is chance of attack of downy mildew in bajra due to favourable weather condition. Farmers are advised to collect the infested plants and destroy them.
- Undertake application of plant protection measures after current spells of rain.

Under the prevailing weather conditions there are chances of small-scale breeding along the **Indo-Pakistan** border.

As part of the early warning system, regular surveys are recommended.

Remaining States of Southern Region (Tamilnadu)

Tamilnadu

Weather Forecast

- Isolated rain/thundershowers are likely over the state.

Advisories

- Apply irrigation to groundnut, sugarcane and pulse crops as there was no significant rainfall during last week except in Coimbatore, Dindigul, Sivagangai, Trichy and Theni and rain/thundershowers likely at isolated places over the State. Postpone irrigation in the above districts as there was excess rainfall during last week.

- Complete transplanting of *kuruvai* rice in the main field in Thanjavur, Trichy, Karur, Nagappattinam and Perambalur districts.
- Undertake land preparation and sowing of bhindi in Northwestern zone (in and around Namakkal). Monitor turmeric for leaf spot and spray Mancozeb @ 2.5 g/litre of water to control the disease.
- Undertake Sowing of bhindi, tomato and cowpea in Chennai, Cuddalore, Kanchipuram, Thiruvavur, Thiruvannamalai, Vellore and Villupuram districts.
- Monitor sorghum for stem borer in Thirunelveli, Tuticorin and Virudhunagar districts. Spray Carbaryl 4% granules to control the pests.
- Undertake land preparation and sowing of bhindi in and around Dindigul.

Eastern Region (Assam, Arunachal Pradesh, Bihar, Jharkhand, Sikkim, West Bengal)

Assam

Weather Forecast

- Rain/thundershowers are likely at a few places over the State during next 48 hours and increase thereafter.

Advisories

- Apply irrigation to groundnut, sugarcane and pulse crops as there was no significant rainfall during last week and rain/ thundershowers likely at isolated places over the State.
- Complete transplanting of *kuruvai* rice in the main field in Thanjavur, Trichy, Karur, Nagappattinam and Perambalur districts.
- Undertake land preparation and sowing of bhindi in Northwestern zone (in and around Namakkal). Monitor turmeric for leaf spot and spray Mancozeb @ 2.5 g/litre of water to control the disease.
- Undertake Sowing of bhindi, tomato and cowpea in Chennai, Cuddalore, Kanchipuram, Thiruvavur, Thiruvannamalai, Vellore and Villupuram districts.
- Monitor sorghum for stem borer in Thirunelveli, Tuticorin and Virudhunagar districts. Spray Carbaryl 4% granules to control the pests.
- As there is possibility of good rainfall in August (Adipattam) and using the available moisture in the soil, maize, jowar, bajra, ragi and other minor cereals may be sown in Namakkal area.
- Farmers are advised for planting shadow plants like castor or sesbania on the bunds of turmeric field, to protect turmeric crops against sunlight scorching in and around Namakkal area.
- Undertake land preparation and sowing of bhindi in and around Dindigul.

Arunachal Pradesh

Weather Forecast

- Rain/thundershowers are likely at a few places over the State during next 48 hours and increase thereafter.

Advisories

- As the State received sufficient rainfall during last week in most of the districts and also good amount of rain / thundershowers are likely at a few places during next three days over the State, postpone irrigation to the standing millet and maize crops. As Lower and Upper Subansiri districts received deficient rainfall during last two weeks and only moderate rainfall is likely over these districts, apply irrigation to the crops.

- Undertake intercultural operations, application of fertilizers and pesticides in ginger, wet seeded rice, *jhum* rice and millets on a non rainy day.

Bihar

Weather Forecast

- Rain/thundershowers are likely **at many places** over Bihar during next 24 hours and decrease thereafter.

Advisories

- Farmers are advised to continue sowing of *kharif* vegetables like brinjal, onion and chilies in nursery bed.
- As Buxar, Bhagalpur, Bhojpur, Gaya, East Champaran, Jhanabad, Kathihar, Khagadia, Madhubani, Monghyar, Muzaffarpur, Patna, Rohtas, Samstipur, Siwan, Supaul, Vaishali districts received deficient rainfall during last few weeks, apply irrigation to the early sown maize, sugarcane and vegetables.
- As sufficient rainfall occurred in last few weeks in the remaining districts and rain/thundershowers are likely at many places over the State, postpone irrigation to early sown maize, sugarcane and vegetables.
- There is mild chance of attack of mealy bug and anthracnose in fruits. If attack crosses economic threshold level, spray the crop with Endosulfan @ 1.5 ml + Chlorthalonil @ 2g + Planofix @ 1 ml per litre of water after current spells of rain.
- Monitor the sugarcane crop for shoot borer incidence. If attack crosses economic threshold level, apply pesticides after current spells of rain.
- Undertake intercultural operations, spraying, application of fertilisers after current spells of rain.

Jharkhand

Weather Forecast

- Rain/thundershowers are likely at a few places over the State.

Advisories

- Farmers are advised to continue preparation of main field and undertake transplanting of *kharif* rice in low lands of all the districts after the receipt of rains as good amount of rainfall is expected in next five days.
- Continue land preparation and sowing of *kharif* maize and arhar by utilizing after the receipt of rains as good amount of rainfall is expected in next five days.
- Transplanting of tomato may be continued with upland varieties like Pusa rubi, Pusa early, selection-12 etc. in Dumka and adjoining districts after the receipt of rains as good amount of rainfall is expected in next five days.
- As there was sufficient rainfall in all the districts of the State during last few weeks and light to moderate amount of rainfall are likely at a few places over the State during next 3 days, farmers are advised to apply irrigation to early sown maize, arhar, urd and vegetables.
- Undertake intercultural operations, spraying and application of fertilisers in early sown maize, arhar, urd and vegetables on a non rainy day.

Sikkim

Weather Forecast

- Rain/thundershowers are likely at many places over the State during next 24 hours and decrease thereafter.

Advisories

- As rain/thundershower are likely at many places over the State during next 24 hours and decrease thereafter, postpone irrigation to orange, large cardamom, ginger and vegetable crops.
- Monitor orange for trunk borer and undertake plant protection measures after current spells of rain to control the pest. Also undertake deshooting and debugging.
- Gap filling / replanting may be continued in newly planted large cardamom in mid and low hills up to August. Planting materials may be selected from high yielding sucker nurseries free from pest / disease infestation or diseases free high yielding elite garden. Chirke and foorkey infected plants may be destroyed by uprooting / burial at regular intervals in the pits. Regular inspections may be carried out to observe caterpillar/ shoot borer/shoot fly incidence if any and may be hand picked and destroyed mechanically. 1% Bordeaux mixture or copper oxychlorid @ 3gm/ltr of water may be sprayed to the cardamom plants after current spells of rain to protect from fungal diseases.
- During the tillering stage, water level of 3-4 cm should be maintained to in rice fields in medium and high hills to enable maximum tillering.
- Undertake earthing up and application of compost in seed potato in high hills after current spells of rain
- Monitor ginger for bacterial wilt in Medium and High hills and collect and destroy the affected plants completely to prevent further spread of the disease.

West Bengal

Weather Forecast

- SW-Monsoon was subdued over Gangetic West Bengal on 5th and active on 4th and vigorous on 6th over Sub Himalayan West Bengal. Rainfall occurred at most places , heavy to very heavy at an isolated places on 4th, at many places on 5th and at most places , heavy to very heavy at a few places on 6th , over Sub Himalayan West Bengal. Rainfall occurred at few places on 4th, at many places on 5th , and at a few places on 6th over Gangetic West-Bengal.
- Rain/thundershowers are likely at many places over Sub-Himalayan West Bengal during next 24 hours and decrease thereafter. Rain/thundershowers are likely at a few places over the Gangetic West Bengal.

Advisories

- As most of the districts of West Bengal received sufficient rain during earlier weeks and rain is also likely to occur at a few places in Gangetic West Bengal and at many places over Sub Himalayan West Bengal, postpone irrigation to the crops.
- Maintain 3 – 5 cm water in the *aus* rice field.
- Land preparation and sowing of broadcasted *aman* rice may be undertaken. Select H.Y.V like Tilak, Kachhary, Patnai-23, Raghusal etc. Recommended varieties for those lands where water logging cannot take more than 6-8” are Pankaj, C.N-540, C.R- 1009, C.R-1010, C.R-1011, Sarnodhan.
- Undertake land preparation and transplanting of *aman* rice. Transplant 2 – 3 seedlings of 20 – 25 days in line at a distance of 20 cm from line to line and 15 cm from plant to plant.
- Prepare nurseries for early cauliflower. Treat the seeds before sowing. Cover the bed with polythene and ensure proper drainage. Select improved varieties of cauliflower like Kanwari, Jowhar, Moti, Early Patna etc.
- Undertake cultivation of tomato. Select improved varieties of tomato like Pusa Rubi, Pusa Early, S-2, Roma Super etc.

- There is chance of attack of rice bug in *aus* rice in Red Lateritic zone. For controlling rice bug, apply Hostathion @ 1ml per litre of water on a non-rainy day.
- Fruit and vine rot is reported in pointed gourd in New Alluvial Zone. Due to cloudy weather and high humidity, there is more chance of attack of fruit rot due to fungus. Remove the infected fruits from the land. Spray blitox (4 gm per litre of water) or blue-copper oxide on a non-rainy day.

Central Region (Chhattisgarh, Maharashtra, MP & Orissa)

Chhattisgarh

Weather Forecast

- Rain/thundershowers are likely at many places over South Chhattisgarh. Rain/thundershowers are likely at many places over North Chhattisgarh during next 48 hours and decrease thereafter.

Advisories

- As most of the districts received rain during last couple of weeks and rain / thundershower is likely to occur at many places over the State for next 48 hours, postpone irrigation to the standing crops. As isolated heavy rainfall is likely over the State, arrange for draining out excess water from the fields.
- Conditions are favourable for biasi and transplanting of *kharif* rice in most of the districts of the State except some parts of Raipur, Rajnangdaon, Durg and Kanker districts. Farmers are advised to complete the transplanting and '*biasi*' of rice as early as possible, wherever 5-10 cm of standing water is accumulated in the rice fields. '*Saghan Chalai*' (Gap filling after *biasi*) should be done at the earliest after '*biasi*' operation.
- Due to poor rain during earlier weeks in Raipur, Rajnangdaon, Durg and Kanker districts, some parts are presently under deficit rainfall conditions and farmers could not be able to complete the transplanting of *kharif* rice in time within 20-25 days of nursery sowing. Hence, if old aged nurseries (more than 35 days) are used for transplanting, then under delayed transplanting conditions, planting of 3-4 seedlings/hill is recommended with 15-20 % more chemical fertilizers.
- Prepare land and undertake transplanting of chilli and brinjal and preparation of nurseries of early varieties of cabbage and cauliflower.
- Undertake sowing of okra as soon as possible. To save the crop from Yellow vein mosaic resistant varieties such as Pusa Vaibhav, Akra Anamika and Pusa Savani should be chosen. Also spray Confidor @ 4 ml / 15 litres water at the interval of 15 to 20 days. Also undertake sowing of cowpea and beans.
- Provide mechanical support to sugarcane to avoid lodging.

Madhya Pradesh

Weather Forecast

- Rain/thundershowers are likely at many places over South Madhya Pradesh.
- Rain/thundershowers are likely at many places over North Madhya Pradesh during next 48 hours and decrease thereafter.

Advisories

- As there is chance of rain / thundershower at many places over the State for next 48 hours, postpone irrigation, intercultural operation and application of fertilizer to the crops.
- Prepare land and nursery for early varieties of Cauliflower. Undertake land preparation and planting of *kharif* vegetables like brinjal, tomato, early cauliflower and cabbage, chilli and *kharif* onion and direct sowing of the cucurbits like bottle gourd, bitter gourd.

- There is chance of attack of fruit and shoot borer in brinjal. If infestation crosses economic threshold, apply trizophos 40 EC @ 800 ml / ha to manage the infestation.
- Undertake sowing and transplanting and application of plant protection measures after current spells of rain.
- Due to rainy conditions, vaccinate the cattle to save from infections/diseases like Anthrax, Galgotu, Black Quarter and FMD etc. As high humidity prevails, keep the sheds aerated and dry in Ujjain, Ratlam, Shajapur, Rajgarh, Neemuch, Mandsaur, Indore, Jabalpur and Dewas.

Orissa

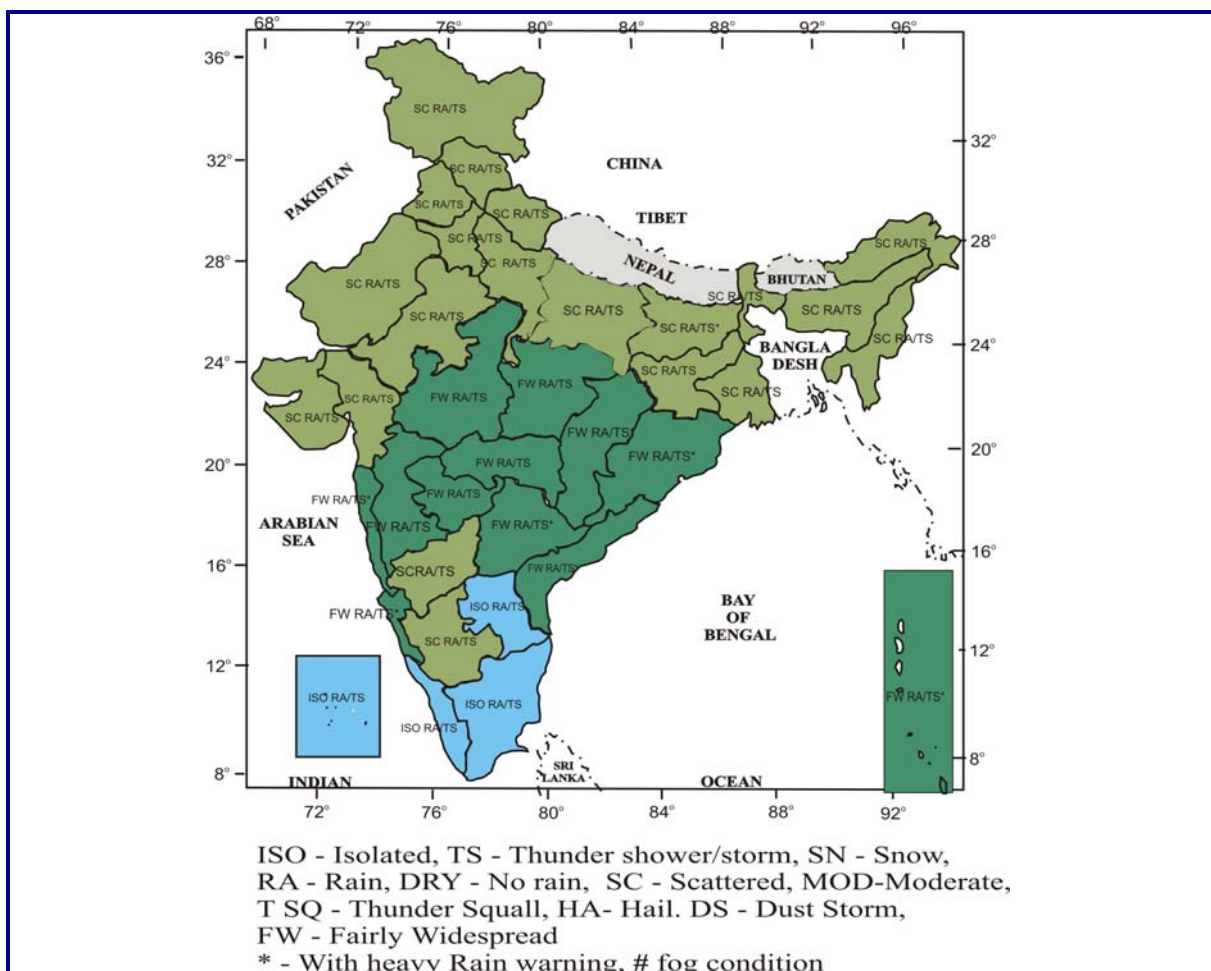
Weather Forecast

- Rain/thundershowers are likely at many places over the State.

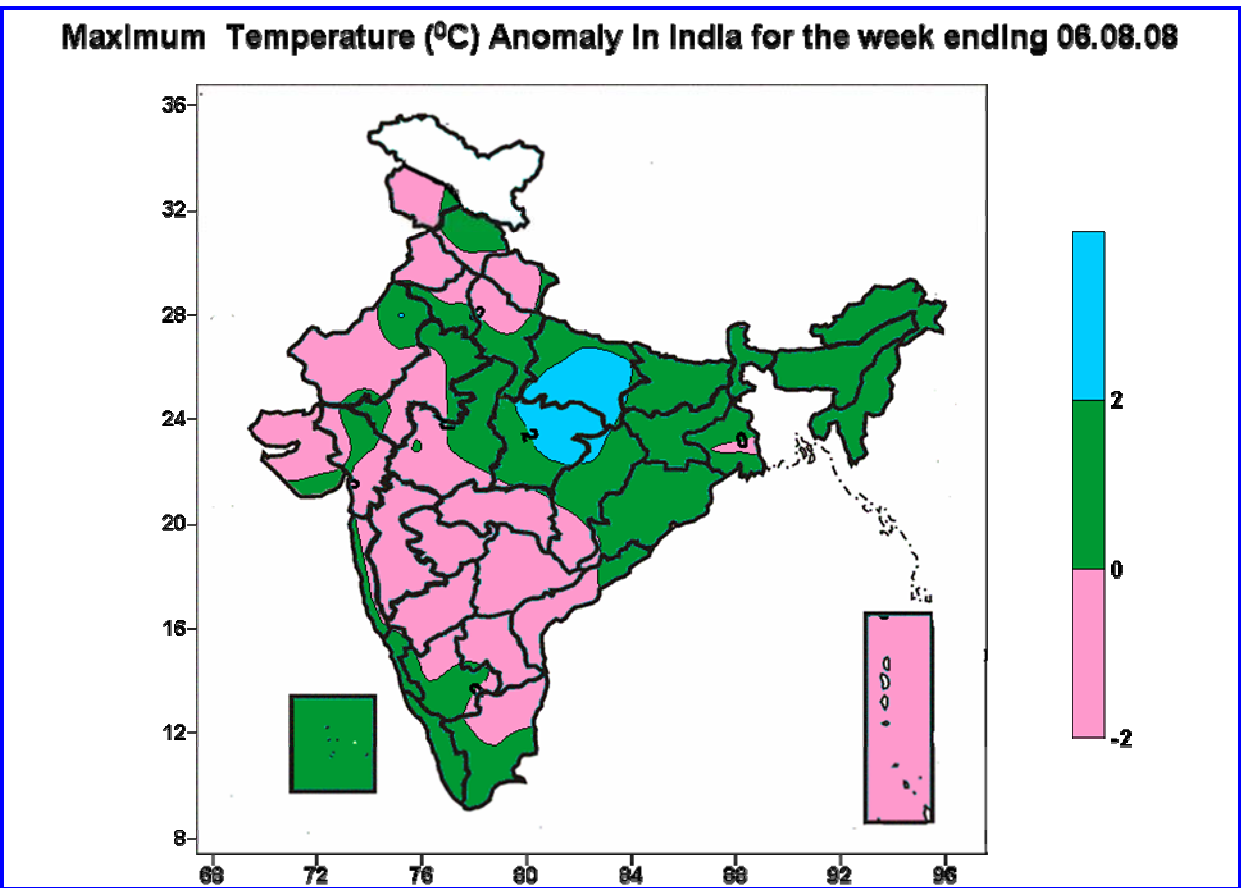
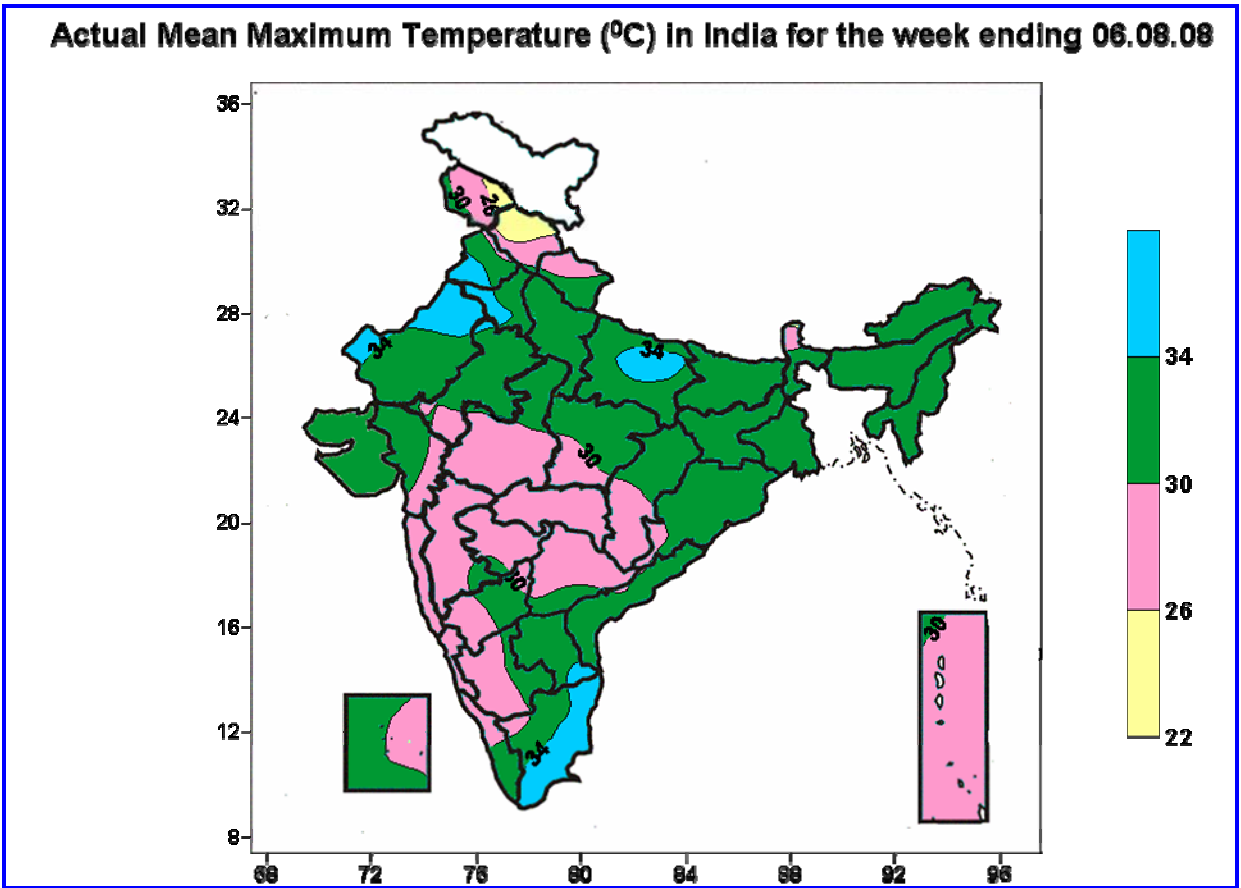
Advisories

- Farmers are advised to continue transplanting of rice and ragi and complete sowing of groundnut, cotton, sesame, maize and greengram and blackgram in uplands of East and South-Eastern coastal plain zone utilizing the realized rainfall.
- Farmers are advised to apply top dressing of fertilizers in transplanted rice and other crops after current spells of rain.
- There is possibility of occurrence of aphid in maize crop in the prevailing weather in Keonjhar and Mayurbhanj districts and apply 300 ml Metasystox in 200 litre of water per acre as foliar spray if required after current spells of rain.

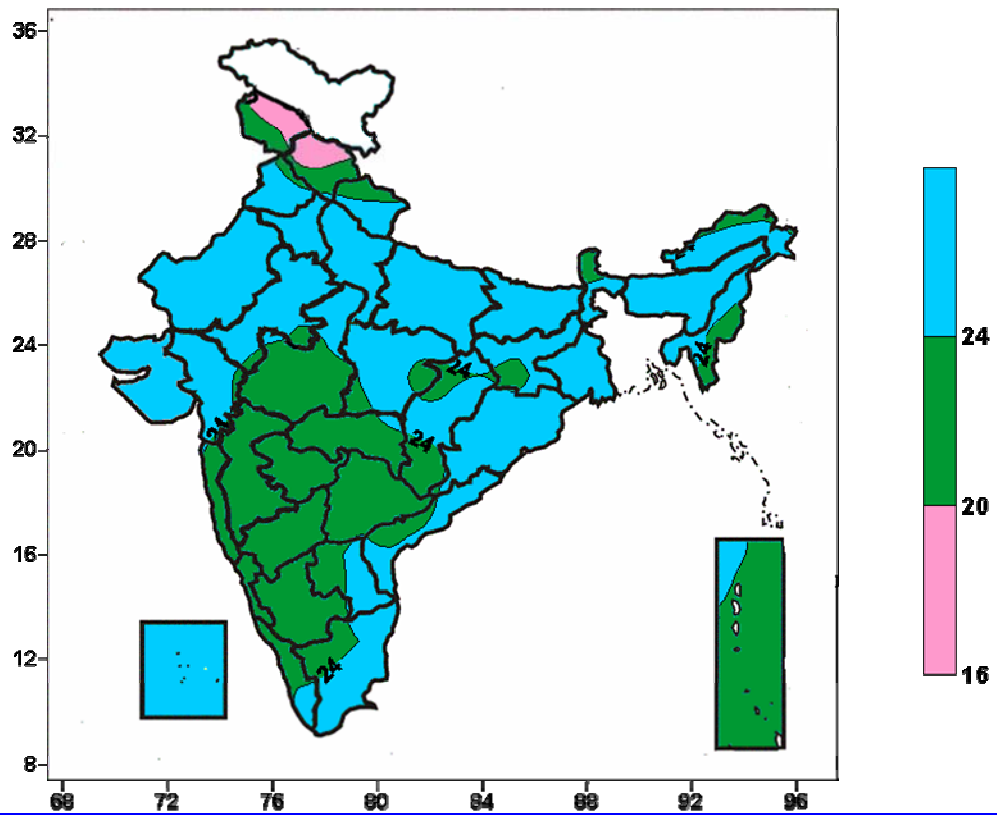
Forecast Valid upto 10th August, 2008



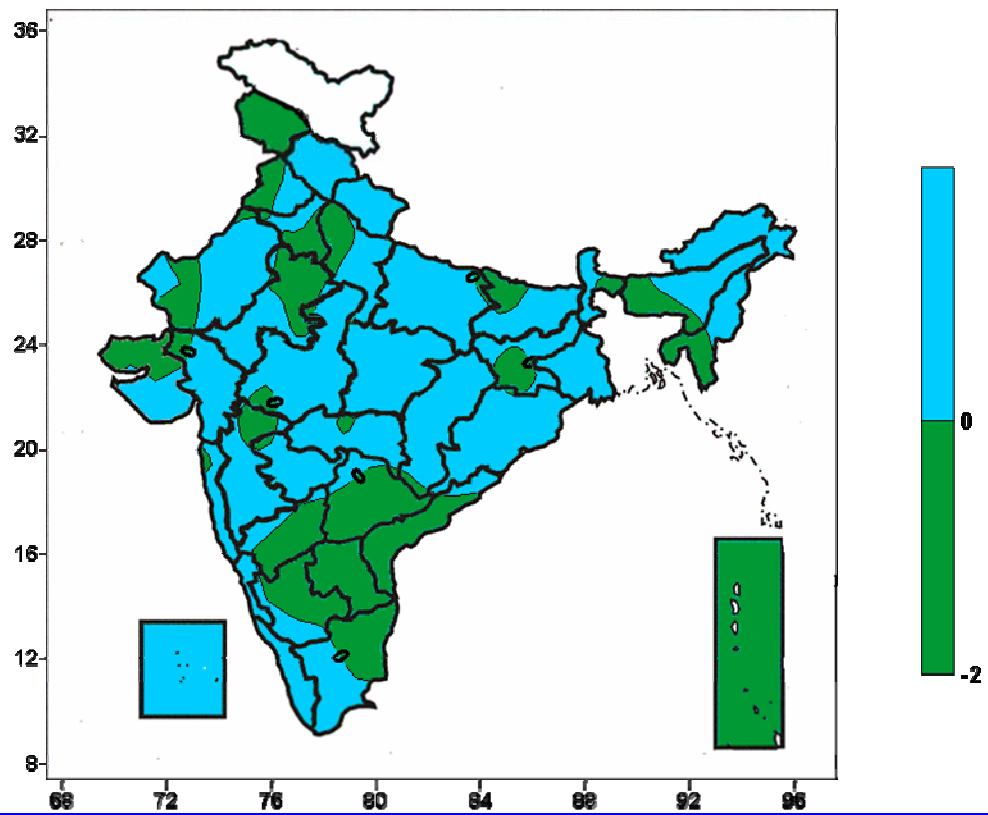
Contour maps for the week ending 6th August, 2008



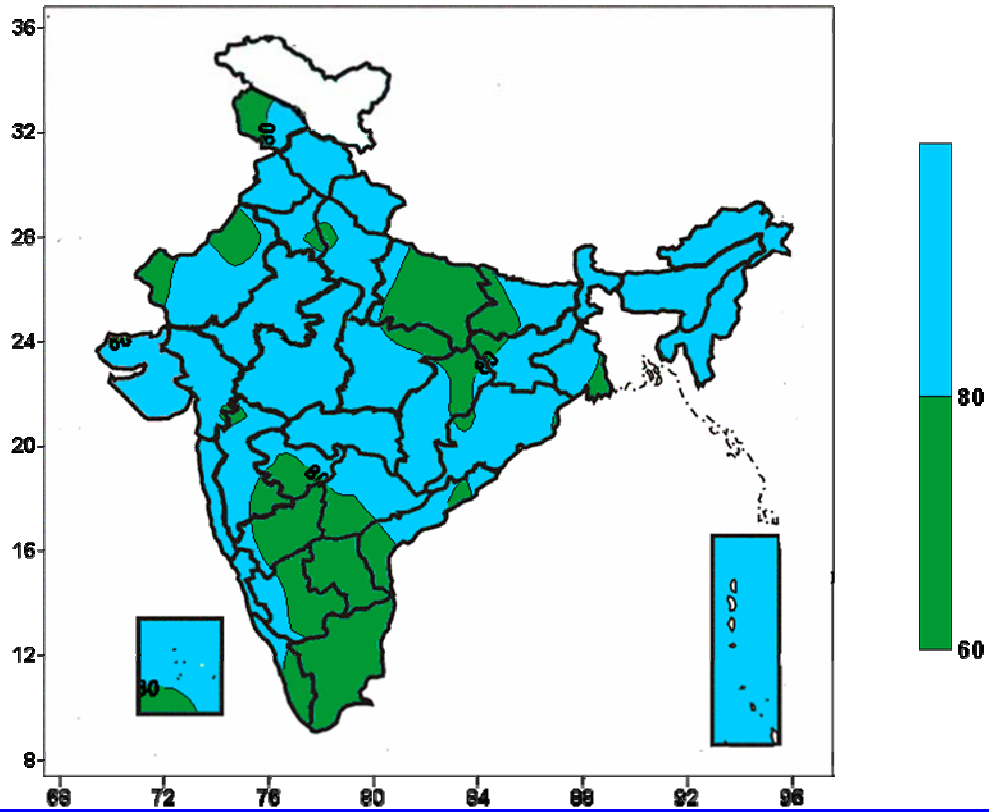
Actual Mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 06.08.08



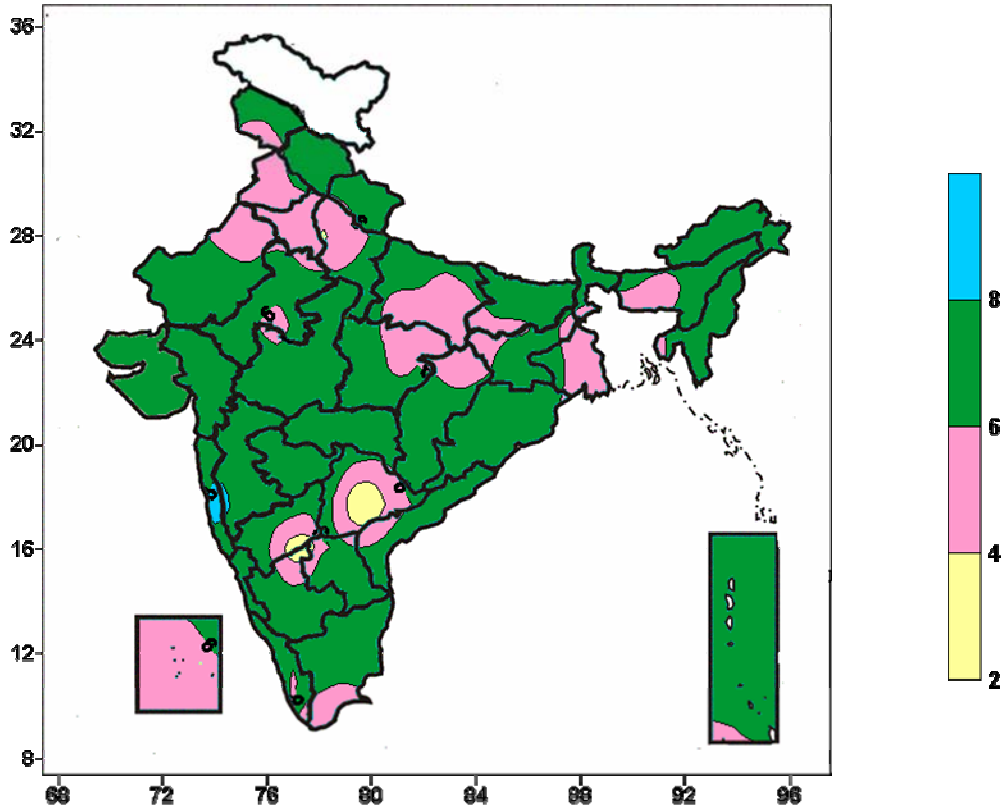
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 06.08.08



Relative Humidity (%) over India for the week ending 06.08.08



Cloud amount (okta) over India for the week ending 06.08.08



Wind speed (knots) over India for the week ending 06.08.08

