



Summary of Agromet Advisory Services for different States of the country
Issued by
Agricultural Meteorology Division, India Meteorological
Department, Pune, India

Thursday, 17th May, 2007

(For the period 17th May to 21st May, 2007)

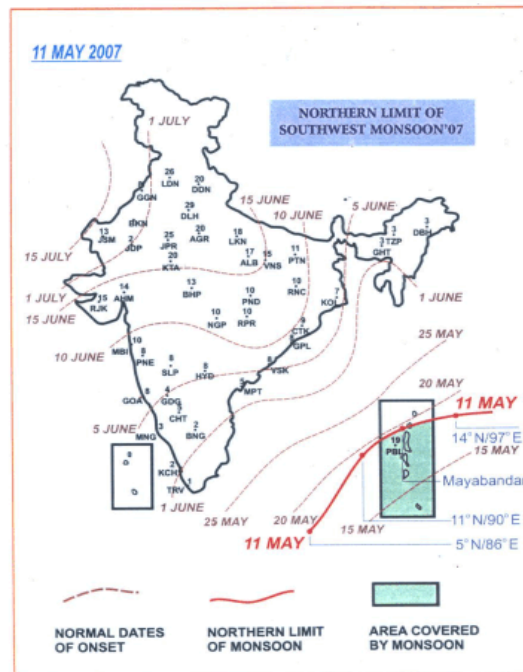
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MONSOON WATCH

Southwest monsoon set in over parts of southeast Bay of Bengal, Nicobar islands and Andaman Sea on 10th. It further advanced into some more parts of southeast Bay of Bengal and Andaman Sea on 11th. The northern limit of monsoon as on 11th passed through Lat. 5.0° N / Long. 86.0° E, Lat. 11.0° N / Long. 90.0° E, Maya Bandar and Lat. 14.0° N / Long. 97.0° E.

Forecast for 2007 Monsoon Onset over Kerala

The forecast model suggests that the monsoon onset over Kerala is likely to be on 24th May 2007, with a model error of ± 3 days.



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

Punjab

Rainfall occurred at isolated places on 16th May, weather remained mainly dry during rest days.

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

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- As there was no significant rainfall in the State during last week and rain / thundershowers are likely at a few places over the State, apply irrigation to **summer sunflower**, **sugarcane** and **Horticultural** crops.
- Complete the sowing of **cotton** as early as possible as late sowing may lead to increased attack of **bollworm**.
- Weeding and intercultural operations may be continued in **sugarcane** and **sunflower** crops.

Haryana

Rainfall occurred at isolated places on 16th May. Weather remained mainly dry on rest of the days.

Isolated rain / thunderstorm accompanied with squall is likely over the State.

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- As there was no significant rainfall in the State during last week and isolated rain / thunderstorm is likely over the State for the next three days, apply irrigation to **summer sunflower, sugarcane and Horticultural crops**.
- Complete the sowing of **cotton** as early as possible as late sowing may lead to increased attack of **bollworm**.
- Weeding and intercultural operations may be continued in **sugarcane and sunflower** crops.

Rajasthan

Duststorm / thundershowers occurred with hailstorm at isolated places in Jaipur / Jodhpur divisions and weather remained mainly dry in rest divisions of the State.

Isolated duststorm / thunderstorm is likely over the State.

Advisories

- Dust storm / thunder storm occurred at isolated places in Jaipur and Jodhpur divisions and day temperatures were above normal in Ajmer and Bikaner divisions during last week. Under the circumstances, apply frequent irrigation to **moong** and early sown **cotton** crop.
- After the harvest of *rabi* crops, summer ploughing may be undertaken in order to conserve moisture during summer showers and to control soil borne pests and diseases.
- Cutting of fodder may be continued.
- Continue sowing of *desi* and *American cotton* in irrigated areas. Undertake seed treatment with chemicals before sowing. Select varieties from LHH-144, RG-8, RG-18, Bikaneri Narma, RS-810, RS-875, RST-9, Ganganagar Ageti, RHH-16, RS-2013 etc. for sowing. Undertake earthing up in early sown cotton.

Uttar Pradesh

Rain occurred at isolated places in Jhansi division and weather was mainly dry in remaining divisions of the State on 14th May. Weather was mainly dry in remaining divisions of the State on 15th May. Very light rain occurred at isolated places in Varanasi, Agra divisions and weather was mainly dry in remaining divisions of the State on 16th May.

Rain / thundershowers likely at a few places over East U.P. and isolated rain / thunder storm accompanied with squall is likely over West U.P.

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- As mainly dry condition prevailed in most of the districts in the State during last week and isolated rain / thunderstorm is likely over West Uttar Pradesh and rain / thundershowers are likely at a few places over East U.P. for the next three days, apply irrigation to **summer maize, sunflower, pulses, and vegetable crops**. Apply light irrigation depending on soil profile stored moisture in Gonda, Gorakhpur, Sultanpur and Uttamsingh nagar districts as there was excess rainfall during last week.
- To control **borer** in **sugarcane**, spray the solution of Endosulphon 35 EC @ 1.25 litre / ha in water.
- Continue harvesting of matured crops of **Onion and garlic**.
- The blossoms of **Mango** (30-45 cm in length) are affected with **malformation** disease. Destroy it & to save the fruits spray Naphthalene Acetic Acid 15 ppm or 4ml Planofix / 9 litres water.
- Field preparation and sowing of **maize** may be continued.

Himachal Pradesh

Precipitation occurred at a few places in the state.

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

Advisories

- Continue land preparation on a non-rainy day and nursery sowing and transplanting of **cauliflower** and **cabbage** in low and mid hills and planting of **potato**.
- As isolated thunder squall is likely over the state, complete harvesting of already matured crops of **wheat**, **barley** and **gram** immediately. **Wheat** is ready for harvest when grain will produce cracking sound while pressed between the teeth.
- There is mild chance of attack of powdery mildew in **vegetables**. If attack crosses economic threshold level, spray carbendazime 0.5 % on a non-rainy day to control the disease.
- There is mild chance of attack of purple blotch disease in **onion**. If attack crosses economic threshold level, spray mancozeb 0.25 % on a non-rainy day to control the disease.

Uttarakhand

Light to moderate rain was recorded at many places on 10th and 12th May and light rain was recorded at isolated places on 13th May and very light rain was recorded on 14th May. Mainly dry weather prevailed during rest of the period. Sky remained partly cloudy to generally cloudy during the period except on 10th, 13th & 14th May, when it was mainly clear.

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

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- Under prevailing weather condition postpone irrigation to the crops.
- Complete harvesting of matured crops of **wheat** on bright sunny days.
- Maintain cleanliness in the orchards. Continue mulching to conserve soil moisture and to prevent weeds in apple and potato.

Jammu & Kashmir

Light rain occurred at a few places on 16th May. Weather remained mainly dry for rest of the days over J & K State.

Rain / thundershowers are likely at a few places over Jammu & Kashmir state.

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- There was no significant rainfall during last week and rain / thundershower is likely to occur only at a few places for the next three days. Under the circumstances, apply irrigation to **wheat**, **vegetable** and **fruit crops** in Kashmir division.
- Undertake summer ploughing in the field after the harvest of **wheat** crop in Jammu division.
- Undertake sowing of **maize** in mid and high altitude areas. Select among GS-2, Vijay, Mansar, C-5 and C-8 for sowing.
- There are mild chances of occurrence of **fruit borer** in **tomato**, **brinjal** and **bhindi** crops. Monitor the crops for the pest and if the pest population crosses ETL, spray the crops with Endosulphan @ 0.07% or Carbryl @ 0.1% or Dichlorvos @ 0.03% on a non rainy day to control the pest.
- Undertake land preparation and sowing of **rice** in the nursery in Jammu and Kashmir divisions. Undertake seed treatment with *Azospirillum* before sowing. Select among IET-1410, K-39, Ratna, PC-19, jaya, PR-8585,

Basmati-370 and Ranbir Basmati for Jammu region and K39, Chenab, Jhelura, China 1039 and Shalimar rice I for Kashmir region.

Delhi

Weather remained mainly dry.

Isolated rain / thunderstorm accompanied with squall is likely over the State.

Advisories

- As there was no significant rainfall during last few weeks over the State and only isolated rain / thunderstorm accompanied with squall is likely for next three days, apply irrigation to **vegetables**.
- Prepare land and perform sowing of **arhar** and nursery sowing of **early varieties of cauliflower**.
- Select varieties from UPA – 120 and T 21 for sowing of **arhar**.
- Prepare land for nursery sowing of **rice**. Seed bed should be prepared of size of 10 m length and 1.25 m in width at 30 cm gap between beds. In each seed bed 30 kg cow dung / compost, 80 gm urea, 80 gm SSP and 40 gm MoP are to be applied. Well germinated seeds are to be sown @ 650 to 1000 gm per bed.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

Rain / thundershowers occurred at a few places in the State during the period.

Dry weather is likely to prevail over the State.

Advisories

- There was no significant rainfall in most of the districts during last week and dry weather is likely to prevail over the State for the next three days. Under the circumstances, apply irrigation to plantation crops viz., **coconut, arecanut, rubber and banana**.
- Complete harvesting **puncha rice** on bright sunny days.
- Attack of **stem borer** and **gall midge** is reported in **virippu rice** nursery. Spray Phosphamidon @ 0.25 ml/litre to control the pests.
- Attack of **mahali disease** is reported in **arecanut**. Spray 1% Bordeaux mixture to control the disease.
- Attack of **Rhinoceros beetle, red palm weevil, bud rot and Eriophyid mite** is reported in **coconut**. Fill leaf axil with 25 gm Sevidol 8G and fine sand 200 g to control rhinoceros beetle and red palm weevil. Spray 1% Bordeaux mixture to control bud rot. Spray 2% neem oil and garlic emulsion may be done in the crown and bunches to control Eriophyid mite.
- Attack of **pseudostem weevil** is reported in **banana**. In endemic area, first remove the outer sheath of all infested and uninfested plants and spray Quinalphos @ 0.05% or Chlorpyrifos @ 0.03% or Carbaryl @ 0.2%. Spraying / drenching may be done on leaf axils, rhizome, surrounding soil and all the bore holes of pseudo stem made by larvae. Repeat the treatment after three weeks if infestation persists.

Tamilnadu

Rainfall occurred at one or two places over the State on 15th, 16th May and mainly dry / dry weather prevailed on 14th May.

Mainly dry weather is likely over the State.

Advisories

- There was no significant rainfall during last week and dry weather is likely to prevail for the next three days. Under the circumstances, apply irrigation to **sunflower, maize, sugarcane, cotton and groundnut** in view of dry weather conditions.

- Continue land preparation and sowing of *kuruvai* rice in nursery. Undertake seed treatment with *Azospirillum* before sowing.
- Undertake spraying of NAA @ 40 ppm in cotton to prevent flower dropping and to enhance boll setting.
- Undertake planting of late sugarcane. Adopt 30,000 single budded sets for planting one acre. Undertake sett treatment with *Azospirillum* before planting.
- Monitor early sugarcane for shoot borer and if the pest population crosses ETL, release egg parasite, viz., *Trichogramma* @ 1 cc / acre. Repeat after 15 days.

Karnataka

Dry weather prevailed over the State on 14th & 16th May. On 15th May mainly dry weather prevailed over Coastal Karnataka and dry weather prevailed over Interior Karnataka.

Mainly dry weather is likely over the State.

Advisories

- Apply irrigation to summer sugarcane as there was no rainfall during last week over the State and dry weather is likely to prevail for the next three days.
- Complete harvesting of sunflower on bright sunny days.
- Monitor sugarcane for woolly aphids in Mysore, Mandya and Hassan districts and if the pest population crosses ETL, release *Dipha* sp, adopt wider spacing, inter-cropping with soyabean and pulses of short duration.
- Continue sowing of kharif jowar, maize, groundnut and sunflower. Undertake seed treatment with chemicals before sowing.

Andhra Pradesh

Isolated rain occurred over coastal Andhra Pradesh from 11th to 13th & 15th May. Weather was generally dry elsewhere over the State during the week.

Mainly dry weather is likely to prevail over the State.

Advisories

- Heat wave conditions prevailed over Coastal Andhra Pradesh during past 24 hours and likely to continue for the next 2 days. As the crops have been harvested and nursery raising of rice is undertaken, there will be lesser crop damage.
- Continue summer ploughing after the harvesting of rabi crops in order to conserve moisture during summer showers.
- Continue land preparation and sowing of nursery for kharif rice.

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

Assam

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

Advisories

- Maintain 3 – 5 cm water in field of early ahu rice.
- Since maize crop is highly susceptible to water logging, provision for surface drainage should be made in the field.
- Mild incidence of Brown Plant Hopper, Yellow stem borer and blast and sheath blight diseases in early ahu rice is reported in a few localities.
- Monitor attack of Brown Plant Hopper and blast and sheath blight diseases in early ahu rice. If attack crosses

economic threshold level, to control **Brown Plant Hopper** insecticides like Chloropyriphos 20 E.C. @ 1.5 ml per litre of water or Phosphamidon @ 1ml per litre of water is to be applied. For control of **Blast** diseases as soon as 1 or 2 spots on leaf are seen Hinosan 50 E.C. @ 1ml per litre of water or Blitox @ 4gm per litre of water is to be applied and spraying is to be continued at an interval of 10-15 days till the disease is controlled. For control of **sheath blight** diseases Carbendazim (Bavistin) @ 0.5 gm per litre of water is to be applied.

- Apply plant protection measures on a non-rainy day.
- Prepare land on a non-rainy day and continue sowing of summer vegetables like **ladies finger, ridge gourd, cucumber** etc. and sowing of **jute** and **regular ahu rice** and planting of **sugarcane**.
- Plough land on a non-rainy day and ladder 5 -6 times to obtain a fine seed bed for sowing of **jute**. In termite and cricket infested field the soil is to be treated with Malathion 5% dust @ 30 kg per hectare. Use seeds of varieties JRC 212, 321, 7447 etc. for sowing.
- Prepare seed bed of **regular ahu rice** of size 10 m length and 1.25 m in width at 30cm gap between beds. In each seed bed 30 kg cow dung / compost, 80 gm urea, 80 gm SSP and 40 gm Mop are to be applied. Well germinated seeds are to be sown @ 650 to 1000 gm per bed. Seed requirement for transplanting of 1 hectare of main field is 40 to 45 kg. 14 kg seed per bigha should be broadcasted for **broadcast regular ahu** after preparation of land properly.
- There is mild chance of attack of hairy caterpillar, smilopper, yellow mite and stem weevil in **jute**. If insect population exceeds economic threshold level, apply fenitrothion 50 EC @ 1 ml in one litre of water or endosulphan 35 EC @ 2 ml per litre of water on a non-rainy day.

Arunachal Pradesh

Sky remained mainly cloudy over the State. Light rain / thundershower occurred at many places on 16th May and at a few places on 14th and 15th May.

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

Advisories

- As there was rainfall over the State during last week and rain / thundershowers are likely at a few places over the State for next three days, apply irrigation to **summer vegetables, millet, maize, jhum paddy** and **ginger** crops depending on the profile stored soil moisture.
- Complete transplanting of wet seeded (**WRC**) **rice** by this week.

Bihar

Moderate rain occurred at few places on 12th May.

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

Warning: Isolated thunder squall is likely over the State.

Advisories

- As there was excess rainfall in Bhagalpur, Gaya, Muzaffarpur, Patna, Purnea districts during last week and rain / thundershowers are likely at a few places over the State, apply light irrigation depending on the soil profile stored moisture to **vegetables, summer maize, green gram, sugarcane** and **sesamum**. As there was no significant rainfall in the remaining districts, apply irrigation to the crops.
- Monitor the crop for **red spider mite** in **vegetable** crops & if exceeds economic threshold level, for effective control spray Sulphur dust @ 3.0 Kg / ha or Dycofol @ 1 lit / ha.
- Maintain 3– 5 cm water in the **boro rice** field.
- Continue to give regular irrigation in **mango orchards** and monitor the crop for mealy bug or **hopper** & if exceeds economic threshold level, then spray with Carboryl @ 2g / litre of water.

Jharkhand

Rain or thundershowers occurred at a few places.

Rain / thundershowers likely to occur at a few places.

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- As there was no significant rainfall in most of the districts during last week and rain / thundershowers are likely at a few places over the State for the next three days, apply irrigation to **summer vegetables**.
- Apply regular irrigation in **mango & litchi**. To prevent from **powdery mildew** of small fruits in **Mango and Litchi**, spray sulfex @ 2gm/litre of water.

Sikkim

Sky remained generally cloudy during the period. Light to moderate rain occurred at many places from 10th to 13th May and 16th May. Rainfall was scanty during the period.

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

Warning: Isolated thunder squall is likely over the State during next 48 hours.

Advisories

- Epidemic infestation of **semilooper** has been reported in **maize**. Spray Trisophor @ 1 ml/litre on a non rainy day to control the pest and to minimize the damage.
- There was no significant rainfall over the state during last week and rain/thundershowers is likely to occur at a few places for the next three days. Under the circumstances, apply irrigation to **large cardamom, orange, maize and ginger**.
- Make arrangements to prevent the crops from lodging due to squall.
- Undertake earthing up to keep the field weed free and application of fertilizers in **kharif vegetables, large cardamom, orange, maize and ginger** on a non rainy day.
- Monitor **ginger** for rhizome rot and bacterial wilt and rouge out the affected plants and destroy completely to prevent further damage.
- Start sowing of **rice** in the nursery. Undertake seed treatment with *Azospirillum* before sowing.

West Bengal

During the said period very light to moderate rain at many places along with rather heavy rain at isolated places on 14th, moderate to rather heavy rain at many places along with heavy rain at isolated places on 15th, and light to moderate rain on 16th occurred over Sub- Himalayan West Bengal.

But moderate to rather heavy rain at many places on 14th, light to moderate rain at isolated places on 15th and 16th occurred over Gangetic West Bengal.

Weather was mainly dry elsewhere.

Rain / thundershowers are likely at many places over coastal areas of West Bengal and at a few places over rest of the state.

Advisories

- As there was good amount of rain in the districts of Sub Himalayan West Bengal during last week and rain / thundershowers are likely at many places over coastal areas of West Bengal and at a few places over rest of the state for next three days, postpone irrigation to the crops.
- Drain out excess water from **boro rice** field 10 – 15 days before harvesting. Continue harvesting of already matured crops on bright sunny days.
- Apply 75 kg N / ha as top dressing on a non-rainy day at 45 days after planting of **sugarcane** in the districts of Sub Himalayan West Bengal and postpone the same in coastal districts.
- Prepare land on a non-rainy day for sowing of **jute**. Plough the land thoroughly for 4 – 5 times followed by laddering. Apply compost manure @ 7.5 – 12.5 tonnes / ha. Apply N, P₂O₅ and K₂O each @ 25 kg / ha also before last land preparation. Select improved variety from Shyamali, Sonali & Sobujsona etc. for *C. capsularis* and Chaitali, Basudev, Baisakhi, Nabin etc. for *C. olitorius* for sowing. Seed rate is 7.5 kg per ha

for *C. capsularis* and 5 kg per ha for *C. olitorius*. Seeds may be treated with 1 gm carbendazime per kg of seeds before sowing.

- Undertake preparation of land for sowing of *aus rice*. Select varieties from HYVs like IET-826, CR- 126-42-1, IR-36, IET-2233, IET-1444 (Rosi), Culture-1 etc. Seed rate is 75-100 kg / ha in case of broadcasting and 62-75 kg / ha in case of row sowing. Treat the seeds with Carbendazim 50% @ 1 gm / kg seeds.
- Postpone preparation of land for sowing of *aus rice* and *jute* in coastal districts.

Central Region (Gujarat, Chhattisgarh, Maharashtra, MP & Orissa)

Gujarat

Weather remained dry.

Mainly dry weather is likely over the State.

Advisories

- As there was no significant rain during last few weeks in the State and mainly dry weather will prevail for next three days, apply irrigation to *sugarcane*, *summer groundnut* and *summer bajra* to bring the soil moisture to field capacity.
- Maintain 3 – 5 cm water in the *rice* field.
- Continue intercultural operation in *sugarcane*, *rice* and *summer bajra* to keep the field weed free.

Chhattisgarh

Isolated rain / thundershower is likely to occur over the state.

Advisories

- As there was no significant rain during last few weeks in most of the districts of the State and isolated rain / thundershower is likely to occur over the state for next three days, apply irrigation to *sugarcane*, *vegetables*, *sesamum*, *green gram* and *maize* crops.
- Maintain 3 – 5 cm water in *summer rice* field.
- Apply 75 kg N / ha as top dressing at 45 days after planting of *sugarcane*.
- Continue harvesting of already matured crops of *sunflower* and *groundnut*.

Maharashtra

Mainly dry weather prevailed all over the State.

Mainly dry weather is likely over the State.

Advisories

- As there was no significant rain during last few weeks over the State and weather will be mainly dry for next three days, apply irrigation to *sugarcane* (Pre-seasonal), *summer groundnut*, *summer sunflower*, *summer bajra*, *summer maize*, *sugarcane (Suru)* & early sown irrigated cotton.
- Continue harvesting of matured crop of *groundnut* in Konkan and Latur.
- Maintain 3 – 5 cm water in *summer rice* field in Kolhapur and Vidarbha. Third dose of 40 kg Nitrogen / ha may be applied after 60 days from transplanting in Vidarbha. Use 1 kg Neem cake powder in 6 kg urea at the time of above application. Water may be drained out before fertilizer application & maintain water level after 2 days.
- Drain out water from *summer rice* field 10 – 15 days before harvesting of matured crops. Continue harvesting of matured crops in Konkan.
- A dose of 136 kg Nitrogen, 85 kg Phosphorus & 85 kg Potash / ha may be applied after earthing up in *Sugarcane (Preseasonal)*.
- Apply last dose of 100 kg Nitrogen & 55 kg Phosphorus / ha if sufficient water is available & undertake earthing up in *Sugarcane (Suru)*.

- Mild incidence of **White woolly aphid** in **Pune & Aurangabad division** in Sugarcane (Preseasonal) and **sap sucking insects** and **tikka disease** in **Latur** in summer groundnut is reported.
- Monitor the crop for white woolly aphids in **Sugarcane (Preseasonal)** & if exceeds economic threshold level, for effective control spray 500 ml endosulphan 35 % + 1000 ml metasystox & 500 ml Stikar or 500 gm detergent powder / ha in 500 liters of water. For the biological control of white woolly aphids, release 25000 larvae of *Krysoperla Carnea* or *Dipha Aphidivhora* / ha as predator after 15 days from the above dose.
- Avoid spraying in **summer groundnut** in **Latur** Division as the crop is in pod maturity stage.
- This is the time for sowing of **irrigated Cotton**. Select a variety from high yielding varieties like LRH-5166, JLH-168 & hybrid varieties like phule-492, phule-388, Sankar-6 & 10, PKV-4 & 5. Seeds may be treated with 250 gm Azotobacter / 10 kg seeds before sowing. Sowing may be done at 90 X 90 cm in medium, at 120 X 90 cm distance in black cotton soil for hybrid variety and at 90 X 90 cm for high yielding variety. 20 kg Nitrogen, 50 kg P₂O₅ & 50 kg K₂O / ha may be applied at the time of sowing.

Madhya Pradesh

Rainfall occurred at isolated places in North West M.P. and light rain occurred at isolated places in South East on 16th May. Dry weather prevailed over rest of the State on remaining days.

Isolated rain / thundershower is likely over north Madhya Pradesh. Mainly dry weather is likely over rest region of the State.

Advisories

- Apply irrigation to **summer moong** and **sugarcane** as there was no rainfall during last week and rain/thunder showers is likely to occur at isolated places over north Madhya Pradesh only for the next three days.
- Monitor **sugarcane** for **Chempa**, **Pyrilla** and **scale** insects and if the pests population crosses ETL, spray Malathion 50 EC or Endosulphan 35 EC @ 1.25 litres/ha to control the pests.
- Undertake earthing up in **summer moong** and **sugarcane** to keep the field weed free.

Orissa

Rain fall occurred at many places over the State on 16th May, at a few places on 15th May & at isolated places on 14th May.

Rain or thunder showers likely to occur at many places over north Orissa and rain/thundershowers are likely at a few places over rest of the State.

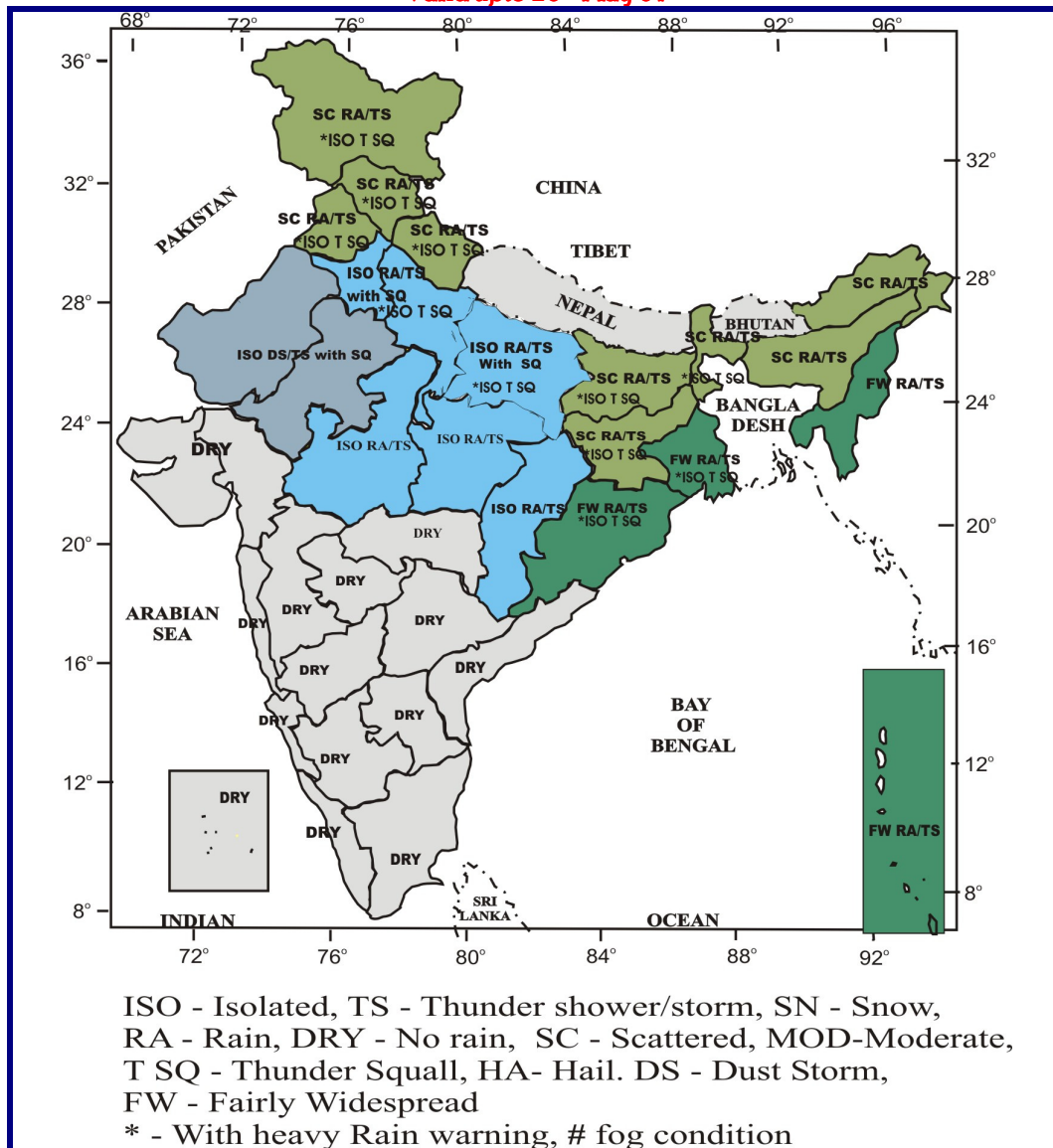
Warning: Isolated thunder squall is likely north Orissa during next 48 hours.

Advisories

- As rain or thunder showers likely to occur at many places over north Orissa, postpone irrigation to **vegetables**, **sugarcane**, **early sown summer groundnut** and **pulses**. As there was rainfall in Rayagada, Ganjam, Nayagarh and cuttack districts and rain/thundershowers are likely at a few places over south Orissa for next three days, apply light irrigation depending on profile stored soil moisture in these districts. Apply irrigation to the crops in remaining districts in south Orissa.
- Harvest the matured crops of *Dalua* rice.
- Continue land preparation and sowing of jute. Sow the jute seeds of variety JRO 524

Forecast Map

Valid upto 20th May 07



Salient weather features for the week ending 16/05/07

METEOROLOGICAL ANALYSIS

- A low pressure area formed over eastcentral Bay of Bengal and neighbourhood on 11th morning. It persisted over the same area on 12th. It concentrated into a depression and lay at 0300 UTC of 13th over eastcentral Bay near lat. 15.0° N /Long. 90.5° E about 400 km northwest of Port Blair. Moving in a north-northeasterly direction. It intensified in a deep depression at 2100 UTC of same day. It intensified into a cyclonic storm and lay centred at 0300 UTC of 14th near Lat. 16.5° N /Long. 91.0° E about 750 kms southeast of Kolkata. Continuing north-northeastward movement, it crossed south Bangladesh coast close to south of Cox's Bazar in the early morning of 15th and weakened gradually. It lay as a well marked low pressure are over south Assam and adjoining areas of Manipur, Mizoram, Bangladesh and Myanmar in the same evening and became less marked on 16th.
- Last week's cyclonic circulation over West Uttar Pradesh and neighbourhood at lower levels lay over central Uttar Pradesh and neighbourhood on 10th & 11th and became less marked on 12th.
- A cyclonic circulation at lower levels lay over East Rajasthan & adjoining Madhya Pradesh on 11th and became less marked on 12th. However, an eastwest trough at 0.9 km a.s.l. extended from West Rajasthan to East Madhya Pradesh on 12th & 13th and from northwest Rajasthan to Chhattisgarh on 14th, 15th & 16th.
- Mainly northwesterly winds prevailed at lower levels over central and Peninsular India during many days of the week.

RAINFALL

Under the influence of the above systems

- Fairly widespread/ widespread rain/thundershowers occurred over Andaman & Nicobar Islands during many days of the week .Isolated heavy to very heavy falls also occurred during a few days.
- Widespread rainfall with isolated heavy falls occurred over northeastern States on 15th & 16th, scattered to fairly widespread rainfall occurred over the region during remaining days of the week.
- Scattered to fairly widespread rain/thundershowers occurred over Orissa, West Bengal & Sikkim on 15th & 16th and activity was isolated to scattered on remaining days of the week.
- Isolated rain/thundershowers occurred over central & south India and remaining parts of east India and western Himalayan region during many days of the week.
- Isolated duststorm/thunderstorm occurred over Rajasthan and plains of northwest India during many days of the week.

MAXIMUM TEMPERATURES

- Heat wave conditions prevailed over south Coastal Andhra Pradesh and north coastal Tamil Nadu during many days of the week. The maximum temperatures were above normal by 5-7°C over south Coastal Andhra Pradesh and north coastal Tamil Nadu during many days of the week. They were above normal by 2-4° C over rest of south peninsular India during the week.
- They were above normal by 2-3° C during first half and normal during second half of the week over west and central India.
- The maximum temperatures were above normal by 2-5°C during first half and below normal by 2-6° C during second half of the week over northeast India.
- They were below normal by 2-7° C over east India throughout the week and by 2-3°C on many days of the week over northwest India.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 16TH MAY, 2007)

Rainfall was excess/normal in 8, deficient/scanty in 23 and no rain in 5 out of 36 meteorological sub-divisions (Actual: 9.2 mm, Normal: 14.5 mm and Departure: -36%).

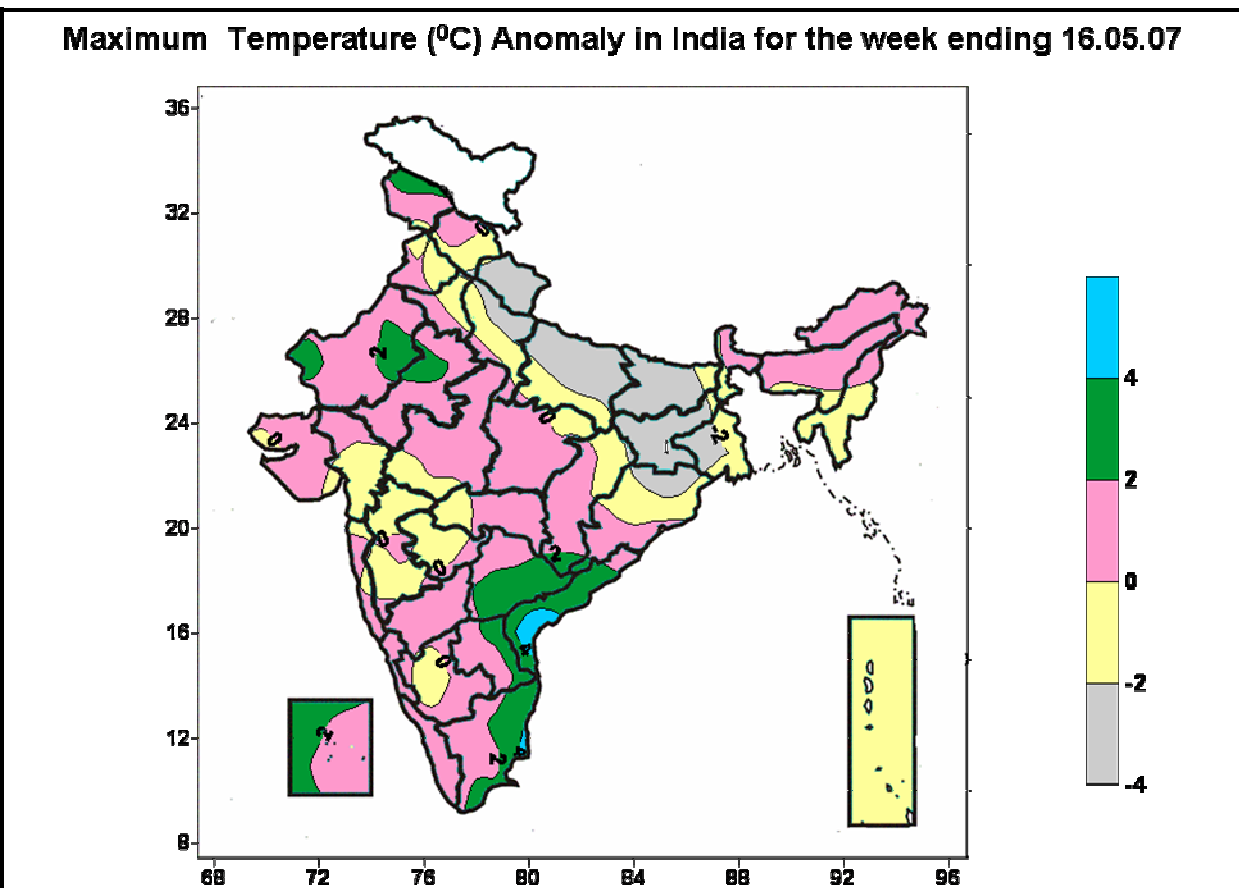
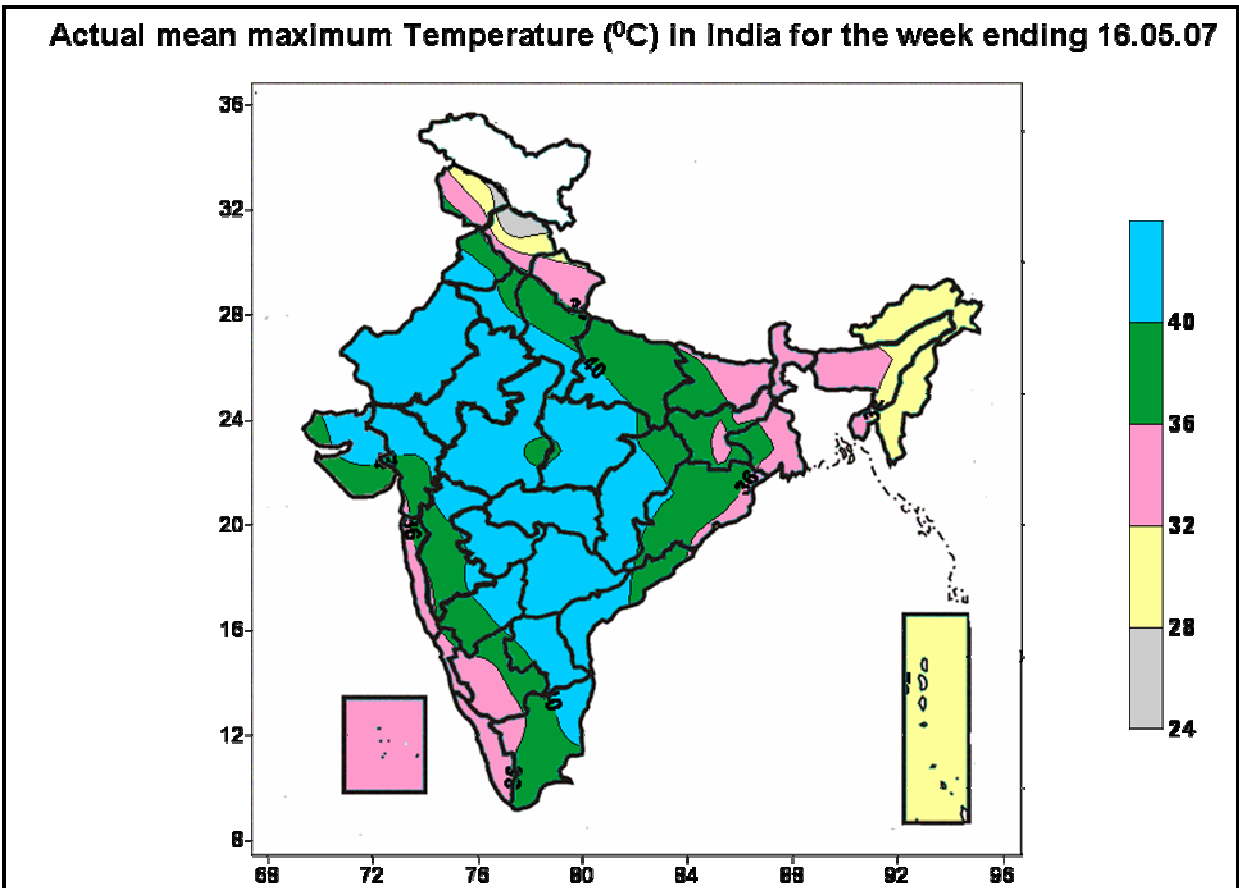
CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 16TH MAY, 2007)

Rainfall was excess/normal in 16 and deficient/scanty in 20 out of 36 meteorological sub-divisions. (Actual: 80.8 mm, Normal: 99.8 mm and Departure: -19%).

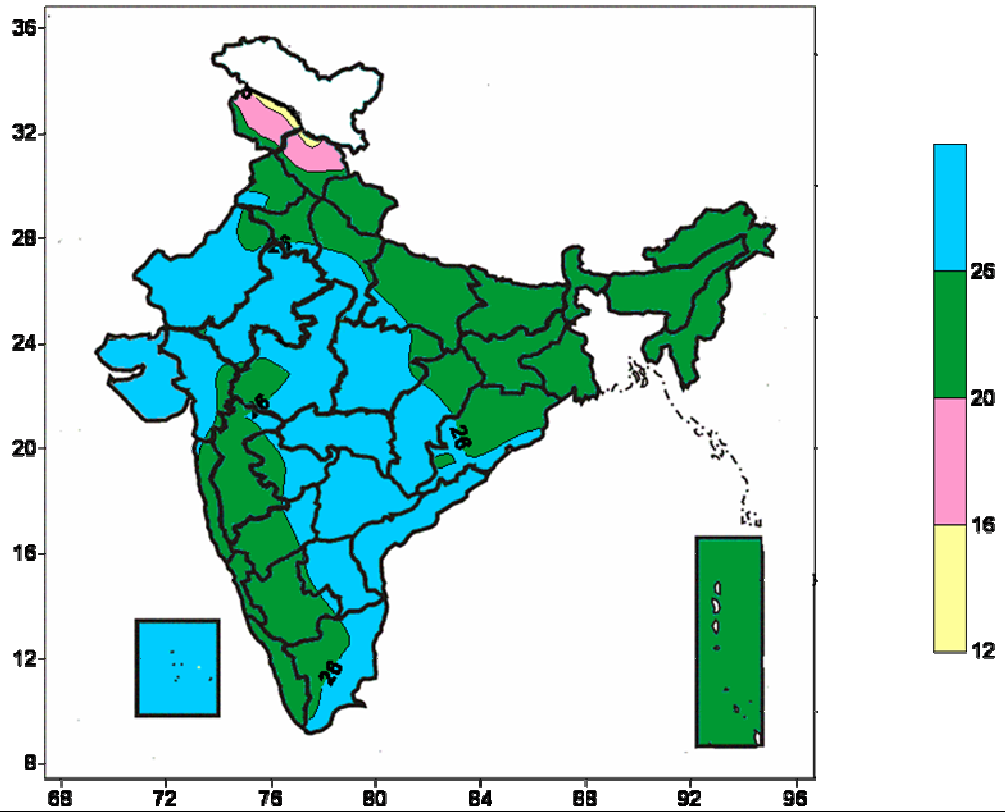
OUTLOOK FOR THE WEEK ENDING ON 23RD MAY, 2007.

- Conditions are favourable for further advance of monsoon to some more parts of south Bay and east central Bay of Bengal.
- Scattered rain/thundershower activity likely over east and northeast India.
- Heat wave conditions likely to abate from Coastal Andhra Pradesh and Tamil Nadu.
- Rise in day temperature over northwest India and adjoining west & central India during second half of the week.

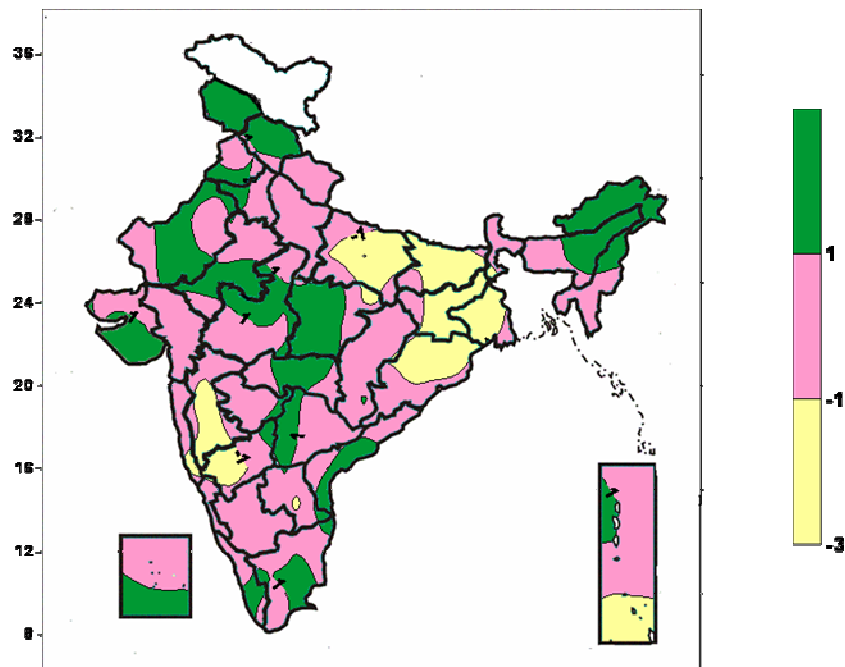
Contour maps for the week ending 16th May, 2007



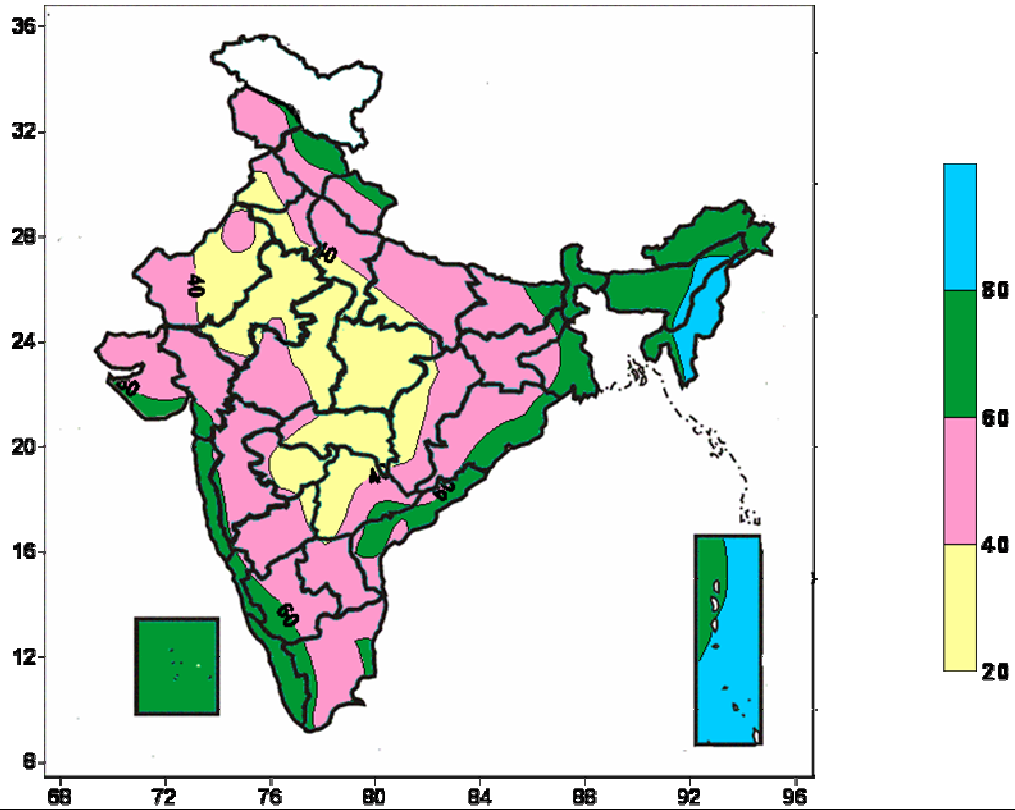
Actual mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 16.05.07



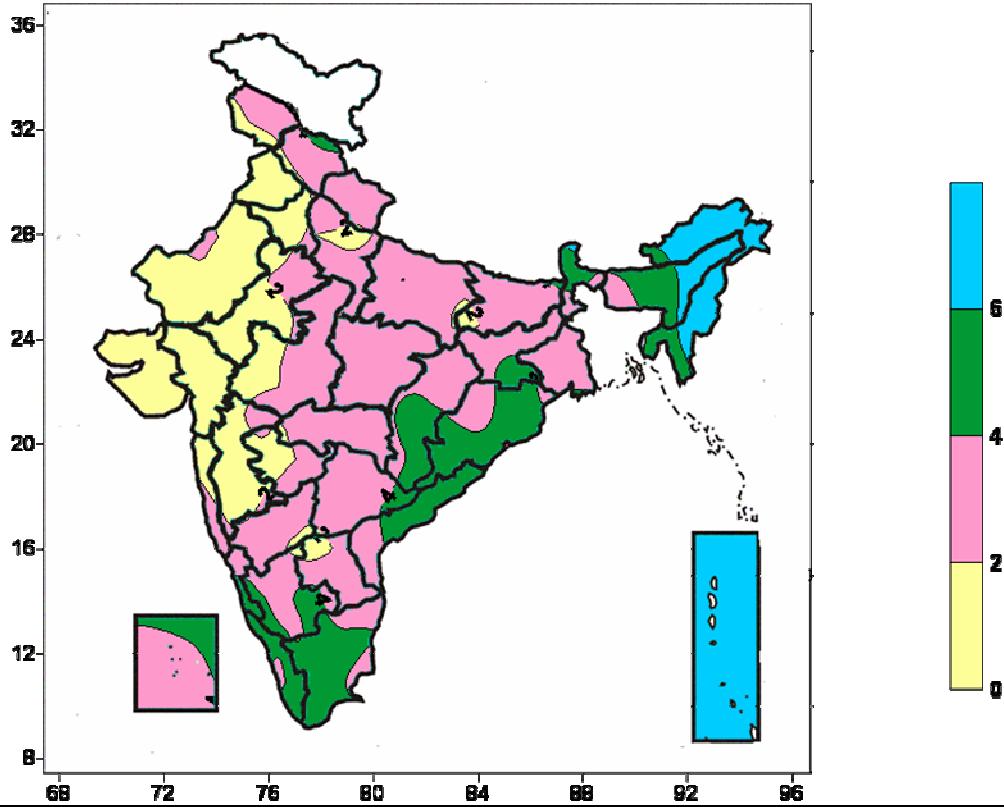
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 16.05.07



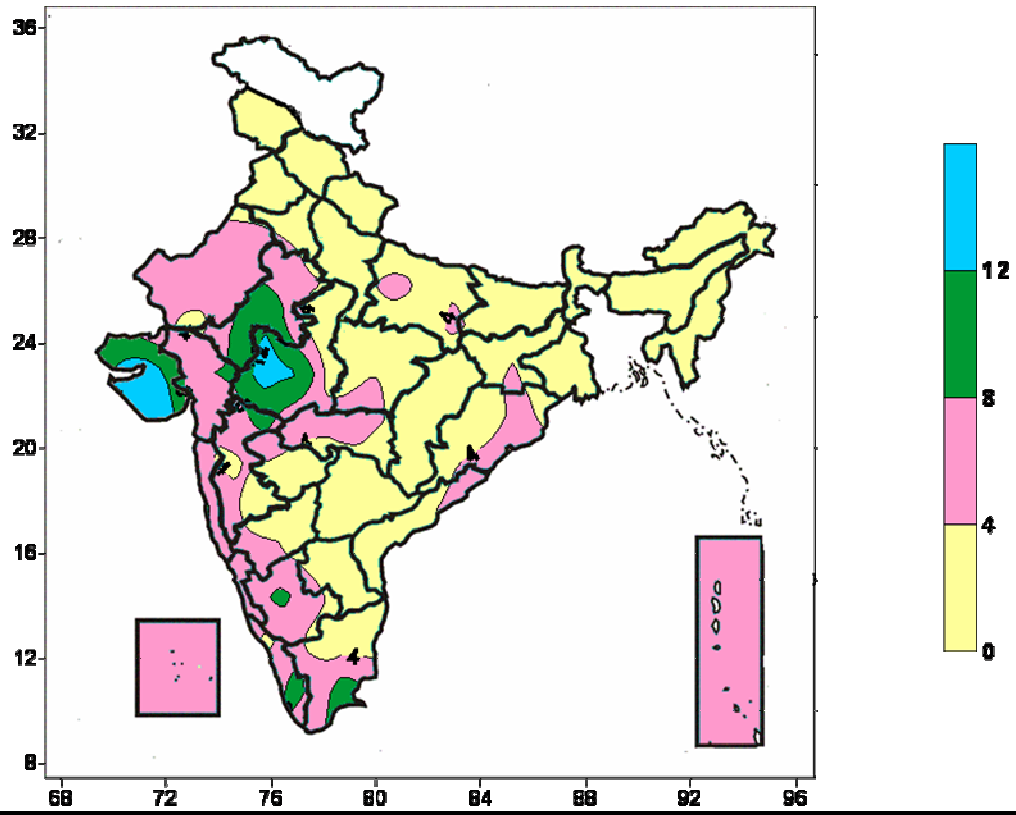
Relative humidity (%) over India for the week ending 16.05.07



Cloud amount (okta) over India for the week ending 16.05.07



Wind speed (knots) over India for the week ending 16.05.07



Desert Locust Forecasting



Rainfall (mm)							
Station Name	10.05.07	11.05.07	12.05.07	13.05.07	14.05.07	15.05.07	16.05.07
Amritsar	5.3	2.8	-	-	-	-	-
Barmer	-	-	-	-	-	-	-
Sriganganagar	-	-	-	-	-	-	-
Jaisalmer	5.3	-	-	-	-	-	-
Kota	-	-	-	-	-	-	-
Deesa	-	-	-	-	-	-	-
Churu	-	-	-	-	-	-	-

Temperature (degree Celcius)							
Station Name	10.05.07	11.05.07	12.05.07	13.05.07	14.05.07	15.05.07	16.05.07
Amritsar	28.0	27.5	29.5	34.0	30.5	32.0	32.5
Barmer	-	-	-	-	-	-	-
Sriganganagar	-	33.0	-	-	-	-	-
Jaisalmer	-	35.0	-	-	-	-	-
Kota	-	-	-	-	37.0	-	-
Deesa	34.0	34.0	33.0	33.0	28.0	32.5	-
Churu	-	-	-	-	-	-	-

There is mild chance of locust infestation in Rajasthan and the adjoining areas during this week. In **India**, ground teams treated gregarizing hoppers, fledglings and a mature swarm west of Jaisalmer near the **Indo-Pakistan** border. All efforts should be made to monitor the developing and potentially dangerous situation closely and carefully.

CROP – STATE – STAGE

Delhi

Vegetables	Early sown summer vegetable crops	Rice	Arhar	Early sown Arhar
Sowing	Vegetative / Flowering / Fruiting	Nursery preparation	Land preparation/Sowing	Germination / early vegetative

Haryana

Early sown Sugarcane	New Sugarcane	Oilseeds	Horticultural crop	Wheat
Vegetative	Sowing	Flowering	Vegetative	End harvesting
Cotton	Paddy			
Sowing	Land preparation/Sowing			

Himachal Pradesh

Wheat	Summer vegetables (Cauliflower, Cabbage in low and mid hills)	Vegetables (Tomato, brinjal, ladies finger, Bhindi)	Gram	Barley
Harvesting (low hills) Maturity (mid hills)	Nursery sowing /Transplanting	Vegetative / Flowering/ fruiting / harvesting	Harvesting (low hills) Pod Maturity (mid hills)	Harvesting (low hills) Maturity (mid hills)
Onion	Potato	Early sown Potato	Apple	
Bulb development / Maturity	Planting	Sprouting / Early vegetative	Fruit development	

Jammu & Kashmir				
Vegetable crops	Brown Sarson	Wheat	Pea/Lentil/ Mustard	Wheat (in Jammu)
flowering/fruitletting/harvesting –in Kashmir Div.	Seed formation – in Kashmir Division	Harvesting - in Jammu Grain formation / development -in Kashmir division	Harvesting	End Harvesting - in Jammu and grain formation/development- in Kashmir div.
	Summer mash and moong	Maize/ Rice	Early sown Maize/ Rice	
	Flowering	Sowing (Kashmir div.)	Early vegetative/Vegetative	

Punjab				
Sugarcane	Sunflower	Horticultural crop	Cotton	Wheat
Vegetative	Flowering/seed formation	Vegetative	Sowing	End Harvesting
		Paddy		
		Land preparation/Sowing		

Rajasthan				
Zaide Moong	Zaide Fodder	Early sown Cotton	Cotton	
Pod formation	Vegetative	Germination / seedling	Sowing – in some areas	

Uttar Pradesh				
Sugarcane	Winter Vegetables (Onion & Garlic)	Summer Vegetables	Sunflower	Mango
Early vegetative	Maturity/ harvesting stage	Vegetative	Vegetative / flowering	Fruit setting
Rabi Pulses (Urad, Moong)	Rabi Pulses (Lobia)	Maize	Bajra	Wheat / Barley
Vegetative / flowering	Vegetative	Early vegetative	Early vegetative	Harvesting

Uttarakhand				
Potato	Mango/Litchi/ Apple	Wheat	Sugarcane	
Vegetative growth	Fruit setting/Fruit development	Late harvesting	Vegetative	

Assam				
Summer vegetables	Early sown Summer vegetables	Early Ahu rice	Boro Rice	Maize
Sowing	Germination/ vegetative/Flowering/Fruiting	Tillering	Harvesting	Early vegetative/Vegetative
Regular Ahu Rice	Sugarcane	Jute	Early sown Jute	
Nursery preparation and Direct sowing	Land preparation and Planting	Land preparation/ Sowing	Germination/Early vegetative	

Arunachal Pradesh				
Summer vegetables	Ginger	Millet	Jhum Paddy	Maize
Vegetative	Rhizome formation	Vegetative	Vegetative	Vegetative
WRC Rice	Early sown WRC Rice			
Seedling	Early vegetative			

Bihar				
Summer Vegetables	Boro Summer Rice	Mango & Litchi	Green Gram / Black gram	Summer Maize
Vegetative	Flowering	Fruiting	Flowering / pod formation	Vegetative
	Sesamum	Sugarcane	Early sown Sugarcane	
	Flowering/ pod formation	Planting	Seedling/Early vegetative	

Jharkhand				
Boro rice	Summer vegetables			
Flowering / grain formation	Vegetative			

Sikkim				
Maize	Orange	Vegetables	Large Cardomom	Ginger
Vegetative	Fruiting New planting in some places	Vegetative	Flowering	Vegetative

Rice				
Nursery sowing				

West Bengal

Boro rice	Aus rice	Sesamum	Groundnut	Green gram
Grain maturity/Harvesting	Land preparation / sowing	flowering / pod formation /early maturity	Pod formation/Pod Maturity/harvesting	Flowering / pod formation /early maturity
	Early sown Sugarcane	Jute	Early sown Jute	
	Early vegetative/ Vegetative	Land preparation / sowing	Germination / early vegetative	

Chattisgarh

Sugarcane	Vegetables (Tomato, chilli, brinjal)	Summer Vegetables	Sunflower	Groundnut
Vegetative	Fruiting / harvesting	Vegetative / Flowering / Fruiting	Seed maturity / harvesting	Seed maturity / harvesting
Summer sesamum	Green Gram	Summer rice	Maize	
Vegetative / flowering/Capsule formation / early maturity	Flowering / Pod formation	Grain formation	Vegetative	

Gujarat

Sugarcane	Rice	Summer Groundnut	Summer Bajra	
Vegetative	Milk / dough / early maturity	Pegging/early maturity	Milk / early maturity	

Maharashtra

Sugarcane Preseasonal (Madhya Maharashtra, Marathwada & Vidarbha)	Summer Groundnut (Madhya Maharashtra, Marathwada, Vidarbha & Konkan)	Summer Rice (Konkan, Vidarbha & Kolhapur dist.)	Summer Sunflower (Madhya Maharashtra, Marathwada & Vidarbha)	Summer Bajra (Madhya Maharashtra, Marathwada & Vidarbha)
Early vegetative / active growth	Pod formation/ pod maturity– in Pune, Kolhapur, Nashik, Amravati, Nagpur & Aurangabad. Pod maturity / harvesting in Latur, Thane, Raigad & Ratnagiri and Sindhudurga	Panicle initiation / flowering – in Vidarbha. Grain formation / grain ma in Kolhapur. Grain maturity / harvesting in Thane, Raigad, & Ratnagiri and Sindhudurg dist.	Head formation (Seed maturity in Latur & Amravati Division)	Grain formation / Grain maturity / harvesting
Summer Maize (Madhya Maharashtra, Marathwada & Vidarbha)	Sugarcane (Suru) (Madhya Maharashtra, Marathwada and Vidarbha)	Irrigated cotton (Madhya Maharashtra, Marathwada & Vidarbha)	Early sown irrigated cotton (Madhya Maharashtra, Marathwada & Vidarbha)	
Cob formation / Cob maturity / harvesting	Early vegetative	Sowing	Germination / Early vegetative	

Madhya Pradesh

Summer moong	Sugarcane			
Flowering / pod formation	Vegetative			

Orissa

Summer Vegetables	Dalua Rice	Summer pulses	Sugarcane	Jute
Vegetative	Grain maturity / harvesting	Vegetative	Vegetative	Field preparation and Sowing
Summer Groundnut	Early sown Summer Groundnut			
Field preparation and Sowing	Early vegetative			

Andhra Pradesh

		Kharif rice		
		Land preparation and nursery sowing		

Karnataka

Sugarcane (Ratoon crop)	Sunflower	Summer rice	Kharif Jowar/Maize/Groundnut/Sunflower	Early sown Kharif Jowar/Maize/Groundnut/Sunflower
Vegetative	End harvesting	Grain maturity / harvesting	Sowing	Germination / early vegetative

Kerala

Rubber	Puncha rice	Virippu rice	Tapioca/ Cashew/ Pepper	
Tapping	End Harvesting	Raising nursery	New Planting	

Tamil Nadu

Rice (Kuruvai)	Sunflower	Cotton	Sugarcane(Early and Mid season)	Oilseeds (Groundnut)
Nursery raising	Seed / pod maturity	Boll formation / development	Vegetative	Seed / pod maturity
Summer gingelly /Maize				
Vegetative				
