



Summary of Agromet Advisory Services for different States of the country

Issued by

Agricultural Meteorology Division, India Meteorological
Department, Pune, India

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(For the period 27th March to 31st March, 2008)

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

Agromet Advisory

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

Punjab

- Current weather patterns indicate dry weather in the state in next 3-4 days with some increase in day/night temperatures.

Advisories

- There was no rainfall during last week in the State and mainly dry weather is likely over the State during next three days. Under these circumstances, apply irrigation to the standing crops.
- Monitor the sugarcane crop for shoot borer infestation & if exceeds economic threshold level, for effective control spray Endosulfan 50 EC @ 600 ml in 600 liter of water/acre.
- Apply 15 kg Nitrogen/ha in early sown sunflower hybrids.
- Continue sowing of summer moong and mash.

Haryana

- Current weather patterns indicate dry weather in the state in next 3-4 days with some increase in day/night temperatures.

Advisories

- As there was no rainfall during last week in the State and mainly dry weather is likely over the State during next three days, apply irrigation to sugarcane, *rabi* oilseeds, pulses, wheat and Horticultural crops.
- Monitor the sugarcane crop for shoot borer infestation & if exceeds economic threshold level, for effective control, spray 600 ml Endosulfan 50 EC in 600 liter of water/acre.
- Apply 15 kg Nitrogen/ha to early sown sunflower hybrids.
- Continue sowing of summer moong and mash.

Rajasthan

- Light rain / thundershowers occurred at isolated places in the state.
- Mainly dry weather is likely over the state.

Advisories

- Apply irrigation to *rabi* crops *viz.*, wheat and barley as there was no significant rainfall in the State during last week and mainly dry weather is likely over the State. Conserve moisture in mustard and taramira field.
- Continue harvesting of gram and potato.

Uttar Pradesh

- Weather was mainly dry in all divisions of U.P.

- Mainly dry weather is likely over the state.

Advisories

- As weather was dry during last week in the State and likely to continue for the next three days, apply irrigation to wheat, vegetable and pulse crops.
- Harvest the matured sugarcane, winter vegetables, turmeric and potato.
- Continue field preparation and sowing of sugarcane, urd, moong, sunflower and summer vegetables.
- To control internal rotten disease in mango, spray the solution of 5-6 gm Borax/litre of water.

Himachal Pradesh

- The weather was mainly dry in the state.
- Isolated rain/thundershowers likely over the State during next 24 hours and mainly dry weather thereafter.

Advisories

- As there was no significant rain during last week in all the districts of the State and rain is likely only at isolated places for next 24 hours and mainly dry weather thereafter, apply irrigation to vegetables, potato, toria, rapeseed, mustard, wheat, barley and gram.
- Remove smut infected plants of wheat and cover smut infected plants of barley from the field and destroy completely to avoid further spread of these diseases.
- There is mild chance of attack of leaf spot disease in cabbage and cauliflower. If attack crosses economic threshold level, spray Dithane M – 45 to control the disease.
- Monitor oilseeds for aphids and if 50 aphids or 4 mm aphid infestation level per central shoot is noticed, spray 750 ml cypermethrin 10 EC or 750 ml methyl demeton 25 EC or 750 ml Dimethoate 30 EC or 1.5 litre Formothion 25 EC or 200-250 ml Phosphamidon in 750 L water / ha.
- Spray Horticulture Mineral oil at break of dormancy stage to avoid the attack of mite in apple. Spray Boric acid (200gm) + Bavistin (100gm) at pink bud stage to avoid the attack of fungus

Uttarakhand

- Mainly dry weather is likely over the state.

Advisories

- As there was no rain during last week and mainly dry weather is likely over the state, apply irrigation to wheat.
- Undertake intercultural operations in orchards, sugarcane to keep the field weed free.
- Undertake sowing of potato in hilly areas.
- Continue sowing of sugarcane crop.

Jammu & Kashmir

- Weather remained mainly dry over J&K divisions.
- Isolated rain / thundershowers likely over the state during next 24 hours and mainly dry weather thereafter.

Advisories

- Monitor tomato, brinjal, cabbage and cauliflower for virus infection. Rouge out virus affected plants and destroy completely.
- Monitor mustard for aphid attack in Jammu division and to control the pest spray the crop with Phosphamidon @ 0.03% or Metasystox @ 0.03% when 50 to 60 aphids per 10 cm terminal shoot are infected.
- Apply irrigation to the standing crops as only isolated rain / thundershowers likely over the state during next 24 hours and mainly dry weather thereafter.
- Monitor potato for late blight and rouge out the affected plants and destroy to prevent further spread.
- Continue sowing of vegetables like bhindi, beans and cucurbits during these days and nursery sowing of tomato, brinjal and chilly crops in Jammu division.
- Preparation of hot beds for early raising of vegetable seedlings such as capsicum, chilies, brinjal, paprika etc. and filling of poly bags for sowing of cucurbits under poly house conditions may be started in Kashmir division.
- It is optimum time for transplanting of poplar from nursery to field area during these days in Jammu division. Pruning in grapevine, phalso, peach and plum crop. Keep the orchard free from weeds by intercultural operation. Farmers can also plan for plantation of new orchards during these days. Apply nitrogenous fertilizer in orchards.

Delhi

- Weather remained mainly dry.
- Isolated rain / thundershowers are likely over the State during next 24 hours

Advisories

- As there was no rainfall in the State during last few weeks and no significant rain is likely to occur over the State for the next three days, apply irrigation to vegetables, mustard, gram, barley and wheat.
- Prepare land and undertake sowing of Purvani Kranti, Pusa Savnee and Pusa Sadabahar varieties of ladies finger.
- There is mild chance of attack of red pumpkin beetle on cucurbits. If infestation of red pumpkin beetle is noticed on cucurbits, apply carbaryl 50 WP @ 750 – 1000 g per ha.
- Start harvesting of already matured crops of mustard on bright sunny days.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

- Rain / thundershowers occurred at a few places in Kerala on 24th and at isolated places on 25th & 26th march.
- Rain/thundershowers likely at isolated places over the State.

Advisories

- As there was excess rainfall in all the districts over the State except in Idukki and Palakkad districts, postpone irrigation to plantation crops viz., coconut, arecanut, rubber and banana. Apply irrigation to the crops in the above districts as there was no significant rainfall during last week.
- Attack of leaf rot and stem bleeding is reported in coconut. As a prophylactic measure spray crown and leaves with 1% Bordeaux mixture or 0.5% copper oxychloride formulation or 0.4% mancozeb to prevent leaf rot incidence. In the leaf rot affected plants, remove the rotten portions from the spear and the two adjacent leaves and pour 300 ml of fungicidal solution at the base of the spear which can be prepared by mixing 2 ml. of hexaconazole 5 EC or mancozeb 3 gm. in 300 ml. of water. To control stem bleeding, chisel out completely

the affected tissues and paint the wound with tridemorph 5%. Apply coal tar after 1-2 days. Root feed with tridemorph 5% to prevent further spread of lesions.

- Attack of pseudo stem weevil, banana rhizome weevil and bunchy top disease is reported in banana. Adopt strict field sanitation. If the attack is severe spray Quinalphos @ 0.05%. Spraying / drenching may be done on the leaf axils, rhizome, surrounding soil and all around the entire pseudo stem. Apply 12.5 gm. Phorate 10G or 10 gm. Carbofuran 3G per plant in leaf axil or 25 gm Phorate or 20 gm. Carbofuran per pit in soil, 70 days and again 165 days after planting to control bunchy top disease.
- Start harvesting of matured *puncha* rice on bright sunny days.
- Continue land preparation and nursery preparation of pepper.
- To protect young trees of areca nut and rubber from sun scorching basal portion of the trunk may be painted with lime.

Tamilnadu

- Isolated rain/thundershowers likely over the state.

Advisories

- Postpone irrigation to groundnut, sugarcane and pulse crops as there was excess rainfall in all the districts over Tamil Nadu during last week.
- Monitor sugarcane for shoot borer and if the pest population crosses ETL, undertake spraying of Endosulfan 35 EC or Monocrotophos 40 EC @ 1.5 litres/ha. Release parasite @ 1 cc per time for stem borers after 15 days of spraying. Release parasite @ 1 cc per time for the control of stem borers.
- Undertake intercultural operations in the standing crops to keep the field weed free.
- Undertake spraying of 2% DAP in pulse crops for more yield.

Karnataka

- Mainly dry weather prevailed over South Interior Karnataka on 12th. Dry weather prevailed over the State on the remaining days.
- Isolated rain/thundershowers likely over the state outside North Interior Karnataka, where weather will be mainly dry.

Advisories

- As there was no rainfall in the State during last few weeks and isolated rain/thundershowers likely over the state for the next three days, apply irrigation to sugarcane and early sown summer crops.
- Undertake intercultural operations in sugarcane and early sown summer crops to keep the field weed free and propping in sugarcane to prevent the crop from lodging.
- Continue harvesting matured cotton, sunflower and maize crops.

Andhra Pradesh

- Rain occurred at most places over Coastal Andhra Pradesh on 24, over Telangana on 23rd & 24th, at many places over Coastal Andhra Pradesh on 22nd, 25th and over Rayalaseema on 21st, 24th & 25th, at few places over Coastal Andhra Pradesh on 23rd, over Telangana on 22nd and over Rayalaseema 22nd & 23rd. Isolated Rain occurred over Coastal Andhra Pradesh on 21st, 26th, over Telangana on 25th, 26th & over Rayalaseema on 22nd, 26th. Dry weather prevailed elsewhere over the state during the week.
- Isolated rain/thundershowers likely over the State.

Advisories

- As there was no significant rainfall during last few weeks over the State and no significant rain is likely to occur during next three days, apply irrigation to the rice and groundnut.

- Maintain 5 – 7 cm water level in rice field.
- Prevailing weather conditions are congenial for incidence of blast in rice. Monitor the crop and spray Tricyclazole @ 0.6 g per litre of water as soon as the disease symptoms are noticed. Incidence of whorl maggot is noticed in Ranga Reddy district. No need of any spray as weather is not congenial for further incidence.
- To control incidence of thrips in groundnut spray Monocrotophos @ 1.6 ml or Dimethoate @ 2ml per litre of water if the crop is between 15-40 days.

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

Assam

- Moderate to rather heavy rain occurred at many places with isolated heavy falls on 25th March, light to moderate rain at many places on 26th March and at isolated places on 24th March over the state.
- Rain/thundershowers likely at a few places accompanied with isolated thunder squalls over the State.

Advisories

- As there was significant rain during last week in most of the district of the State and rain / thundershowers are likely at a few places for next three days, postpone irrigation to the crops.
- Maintain 3 – 5 cm of water in boro rice field.
- Continue harvesting of arhar and other rabi crops.
- Monitor boro rice for blast disease. As soon as one or two spots on leaves are seen, Hinosan 50 EC @ 1 ml or Blitox 4 g per litre of water is to be sprayed and spraying is to be continued till the disease is controlled. For control of Sheath blight disease apply bavistin @ 1gm per litre of water. For control of pests like Hispa, brown plant hopper etc., insecticide like Chloropyphos 20 EC @ 1.5 ml or Phosphamidon @ 1ml per litre of water is to be sprayed. Apply chemicals on a non-rainy day.
- Land should be thoroughly prepared and farm yard manure should be applied for sowing of summer vegetables like ladies finger, cucumber and ridge gourd. Also seed should be collected from reputed sources. Apply 14Kg urea, 35 Kg SSP and 8 Kg MOP per bigha on a non-rainy day.
- Field should be prepared for transplanting of early ahu rice and well rotten FYM or compost @ 1 ton / bigha in addition to urea @ 12 kg, single super phosphste @ 18 kg and MOP @ 4 kg / bigha should be applied before transplanting.
- Land is to be ploughed and laddered 5-6 times to obtain a fine 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 .Varieties of capsularies such as JRC 212, JRC 321, JRC- 7447, UPC-94 etc. should be collected from reputed sources and sown in line at a spacing of 25 cm row to row and 5-7 cm plant to plant. Seeds @ 800-900 gm are required for sowing one bigha. Cow dung or compost manure should be applied one quintal per bigha during land preparation and urea @ 12 kg, SSP @ 20 kg and MOP @ 7 kg per bigha need to be applied on a non-rainy day.

- Prepare land for sowing of maize. Any well drained soil is suitable for maize. Sandy and sandy loam soil is preferable. Compost or FYM @ 6 quintal, Urea @ 18kg, SSP @ 80 kg and MOP @ 9 kg per bigha should be applied. Seeds of hybrid varieties viz. Ganga-5, Ganga-101, Hi-star and composite varieties such as Kishan, Vijay, Vikram, Diara etc. may be collected from reputed sources for sowing and depending upon the size, 2.5-3 kg seeds are required for sowing one bigha of land.

Arunachal Pradesh

- Rain/thundershowers likely at a few places accompanied with isolated thundersqualls over Arunachal Pradesh.

Advisories

- Harvest the matured crops of pea, vegetables and *rabi* maize.
- Undertake weeding and hoeing in wheat, and mustard to keep the field weed free.
- Farmers are advised to continue sowing of summer vegetables like ladies finger, cucurbits / pumpkin etc.
- Undertake sowing of ginger.
- As there was sufficient rainfall in most of the districts in the State during last week and rain/thundershowers likely at a few places for the next three days, postpone irrigation to the crops.

Bihar

- Mainly dry weather likely the state.

Advisories

- As mainly dry weather likely the State for the next three days, apply irrigation to vegetables, arhar, wheat, gram, fodder maize and sugarcane.
- Alternaria blight and rust in wheat is observed. To control the disease spray 2 kg Companion or 1 litre Tilt in 700 litre of water.
- Complete sowing of summer vegetables and moong.

Jharkhand

- Isolated rain/thundershowers likely over the state during next 24 hours and mainly dry weather thereafter.

Advisories

- Apply irrigation to the vegetables and wheat as mainly dry weather is likely over the State for the next three days.
- Prepare field and undertake sowing of summer vegetables.

Sikkim

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

Advisories

- As there was no significant rainfall during last few weeks and rain/thundershowers is likely at a few places over the State for the next three days, apply irrigation to orange, large cardamom, wheat, early sown maize and mustard.
- Monitor large cardamom for Chirkey and Foorkey and infected plants may be destroyed by uprooting/burial at regular intervals. Regular inspection may be carried out to observe caterpillar/ shoot borer incidence and may be hand picked and destroyed mechanically.
- Dry grasses used for mulching near the orange trees must be removed just before rain. Also apply FYM/Compost @ 5 kg around trees 1-4 years, @ 25 kg around trees 5-10 years old and @ 50 kg around trees of 11-25/40 years old.

- Undertake weeding, thinning and intercultural operations in maize on a non rainy day.
- Start land preparation and sowing of pre-treated, healthy & certified seeds of vegetables in appropriate and well prepared nursery beds in the vegetable garden. The climbing plants (vegetables) should be sown in the lowermost terrace of the vegetable garden.

West Bengal

- Rain/thundershowers likely at a few places over Sub Himalayan West Bengal and isolated rain/thundershowers likely over Gangetic West Bengal.

Advisories

- As there was no significant rainfall during last week in most of the districts of the State and no significant rain is likely to occur during next three days, apply irrigation to sesamum, groundnut and green gram.
- Maintain 3 – 5 cm standing water in *boro* rice field. Apply remaining 25 kg N / ha at 6 weeks after transplanting under weed free condition and thin film of water. Maintain 3 – 5 cm of water after 48 hours of application of N.
- Harvest already matured crops of sugarcane, arhar, rapeseed, mustard, lentil and gram.
- Keep vigilance against occurrence of blast disease in *boro* rice. If this disease appears at least one leaf or 25% of the leaves of the plant, then spray water soluble Ediphenphos 50% @ 1 ml or Triamiphos 48% @ 1 ml or Carbendazyme 50% @ 1 gm or Tricyclogol 75% @ 0.5 ml per litre of water. 750 litre of water is required for spraying 1 hectare of land. Keep vigilance against attack of stem borer. Chemicals may be applied under attack of at least 1 larvae or matured pest per hill.

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

Gujarat

- Mainly dry weather is likely over the state

Advisories

- As there was no rain during last few weeks over the State and no significant rain is likely to occur for next three days, apply irrigation to sugarcane, summer groundnut and summer bajra.
- Maintain 3 – 5 cm water in summer rice field.
- Apply 75 kg Nitrogen / ha as top dressing after 45 days from planting of sugarcane. Carry out light earthing up at 90 days after planting.
- Apply 60 kg N / ha at 30 days after sowing of summer bajra.

Chhattisgarh

- Dry weather prevailed in all divisions on rest of the days.
- Isolated rain/thundershowers likely over south Chhattisgarh and mainly dry elsewhere.

Advisories

- As there was no significant rainfall during last week in all the districts of the State and no significant rain is likely for next three days, apply irrigation to sugarcane, vegetables, sunflower, groundnut and sesame.
- Apply remaining 25 kg N / ha at 6 weeks after transplanting of summer rice. Drain out water from the field before application of fertilizer and maintain 3 – 5 cm standing water after 48 hours of application of fertilizer.
- Top dressing of sugarcane with Nitrogen to October – November sown crops may be done.
- Aphids were observed in vegetable crops, hence, it is advised to monitor the crops and if necessary spray Endosulphon or Metasystox @ 2 ml / liter of water.

- There is mild chance of attack of jhulsa disease in tomato. If infestation crosses economic threshold level, apply metalaxyl @ 2 g / litre of water.
- Prepare land and undertake sowing of summer vegetables with assured irrigation facilities.
- Prepare land and start sowing of green gram.

Maharashtra

- Rain has occurred at most places in East Vidarbha on 24th March. Rain also occurred at many places in South Konkan & at a few places in Madhya Maharashtra & at isolated places in Marathwada & Vidarbha. Mainly dry weather prevailed over North Konkan.
- Isolated rain / thundershowers likely over south Konkan & Goa, south Madhya Maharashtra, Marathawada and Vidarbha. Mainly dry weather is likely over rest of the places.

Advisories

- As no significant rain is likely to occur over the State for the next three days, apply irrigation to sugarcane (pre-seasonal), sugarcane (*suru*) and summer groundnut, summer sunflower and summer bajra.
- Harvest matured crops of wheat.
- Continue transplanting of 25 to 30 days old seedlings of summer rice in Vidarbha. Maintain 2 to 3 cm water level in after 3 – 4 days of transplanting. Undertake intercultural operation to keep the field weed free. Broadcasting of 20 kg Blue green Algae / ha may be done in the crop field after 10 days from transplanting. Maintain 3 – 5 cm standing water in summer rice field at tillering stage.
- 5-6 ton trash may be applied in the field of sugarcane (pre-seasonal) and sugarcane (*suru*) to control evaporation.
- Second installment of 45 kg Nitrogen / ha may be applied after 25 – 30 days from sowing of summer bajra.
- Prepare land and complete sowing of green gram. For sowing select a variety from Vaibhav, Phule M-2. Use 15-20 kg seeds per hectare for sowing. Seeds may be treated with Carbendazim 2.5 gm / kg & then Rhizobium 250 gm + 250 gm Phosphorus solubilizer / 10 kg seeds to control fungus & increase nutrient availability. Use 25 kg Nitrogen & 50 kg Phosphorus / ha at the time of sowing.
- For the control of powdery mildew in late flowering Mango, spray 10 g carbendezim or 5 ml Hexaconazol in 10 liters water. For the control of thrips on Mango, spray Foselon @ 15 ml or 50% Phenthoate 10 ml / 10 liters of water.

Madhya Pradesh

- Mainly dry weather is likely over the state.

Advisories

- As there was no rain during last week in the State and mainly dry weather is likely over the State, apply irrigation to sugarcane and irrigated wheat.
- Undertake intercultural operation in sugarcane to keep the field weed free.
- Complete harvesting gram, lentil, mustard, masoor and linseed crops and continue harvesting rainfed wheat.

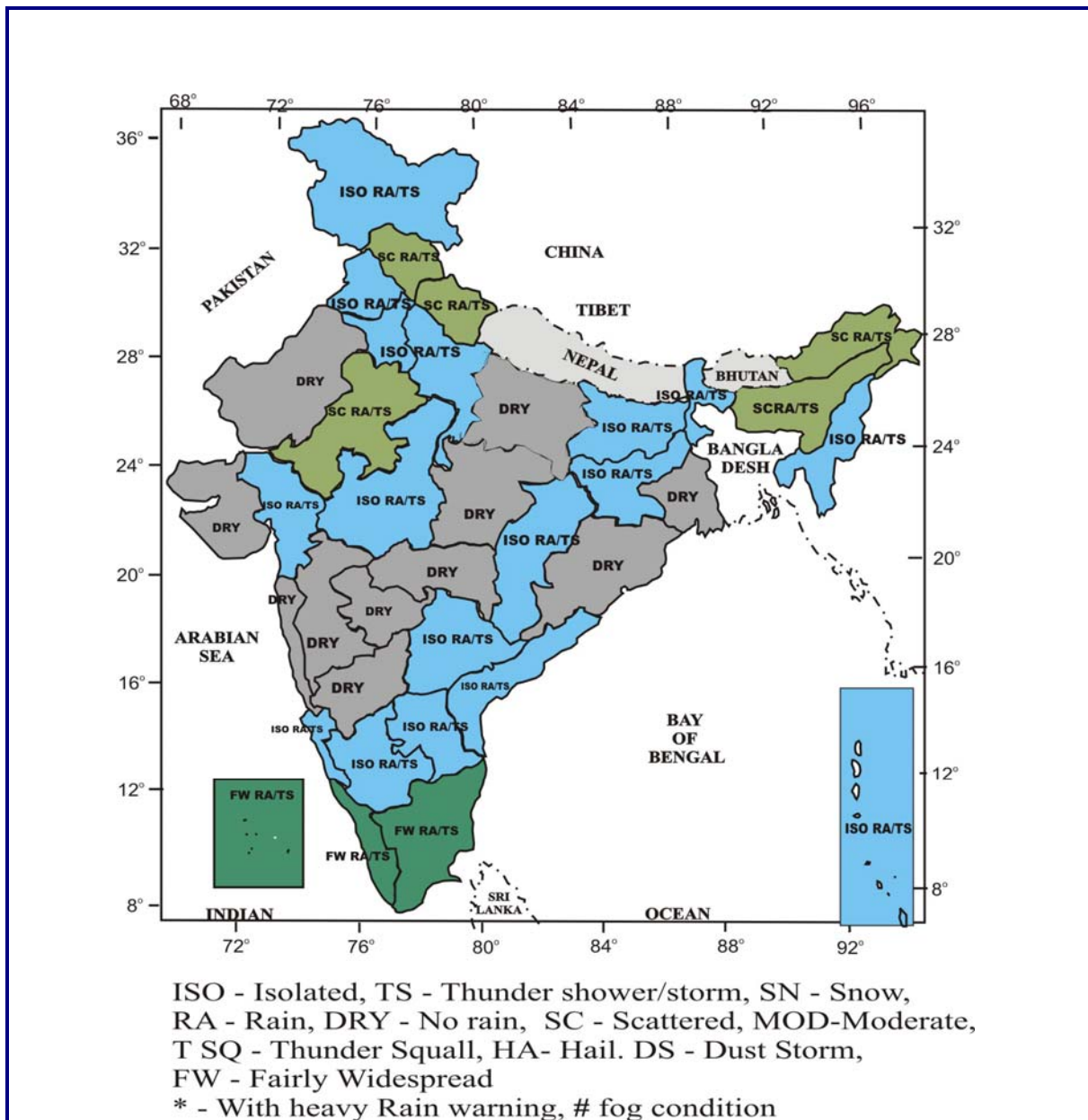
Orissa

- Rain fall occurred at many places over Orissa on 24.03.2008, at a few places on 25.03.2008 and at isolated places on 26.03.2008.
- Isolated rain / thundershowers are likely over the state.

Advisories

- As there was sufficient rainfall in Gajapati, Kandhamal, Koraput, Malkangiri, Nawarangpur and Rayagada districts during last week and isolated rain / thundershowers are likely occur for next three days over the State, postpone irrigation to vegetables, moong and early sown sugarcane in these districts. Apply irrigation in the remaining districts.
- There is mild chance of occurrence of aphids in vegetables. If population crosses economic threshold level, spray dimethoate or methyl demeton @ 2 ml per litre of water.
- Harvest the matured pulses and oilseed crops.
- In earlier transplanted *Dalua* paddy, apply 6 to 8 kg Nitrogen per acre as second top-dressing.

Forecast Valid upto 30th March, 2008



Salient weather features for the week ending 26/03/08

METEOROLOGICAL ANALYSIS

- Last week's western disturbance as an upper air system over Jammu & Kashmir and neighbourhood persisted over the same area on 20th and moved away eastwards thereafter.
- Last week's cyclonic circulation over West Rajasthan & neighbourhood extending upto 0.9 km amsl persisted over the same area on 20th and became less marked on 21st. Another cyclonic circulation in lower levels over south Uttar Pradesh and adjoining north Madhya Pradesh lay over East Uttar Pradesh and neighbourhood extending upto 2.1 Km amsl on 20th, over Sub-Himalayan West Bengal & Sikkim and neighbourhood on 21st & 22nd, over Bangladesh and neighbourhood on 23rd, over Nagaland, Manipur, Mizoram & Tripura on 24th and moved away eastwards thereafter.
- Last week's cyclonic circulation in lower levels over Sub-Himalayan West Bengal & Sikkim and adjoining Bihar persisted over the same area on 20th and became less marked thereafter.
- An upper air cyclonic circulation extending upto 4.5 Km amsl lay over southeast Arabian Sea on 20th. Under its influence a low pressure area has formed over southeast Arabian Sea and neighbourhood on 20th morning. It persisted over the same area on 21st and became more marked on 22nd and it became as a low pressure area on 23rd and persisted till 24th and became less marked on 25th. However associated upper air cyclonic circulation lay over southeast Arabian Sea off Karnataka coast and it lay over east Arabian Sea off Konkan & Goa coast extending upto 3.1 Km amsl on 26th.
- A trough in mid-tropospheric level ran roughly along 65°E to the north of 20°N on 22nd. It moved eastwards and ran roughly along 70°E to the north of 20°N on 26th.
- An upper air cyclonic circulation extending upto 4.5 Km amsl lay over Jammu & Kashmir and adjoining north Pakistan on 22nd & 23rd, over Jammu & Kashmir and neighbourhood on 24th & 25th and moved away eastwards on 26th.
- Another upper air cyclonic circulation extending upto 2.1 Km amsl lay over south Gujarat region & neighbourhood on 21st, over Madhya Maharashtra and neighbourhood on 22nd, over Vidarbha and neighbourhood on 23rd and became less marked thereafter.
- An upper air cyclonic circulation extending upto 2.1 Km amsl lay over North Interior Karnataka on 23rd & 24th and became less marked on 25th.
- Another upper air cyclonic circulation extending upto 1.5 Km amsl lay over north Rajasthan and neighbourhood on 22nd, over West Madhya Pradesh and neighbourhood on 23rd and 24th and became less marked thereafter.

RAINFALL / SNOWFALL

Under the influence of the above systems:

- Isolated rain/thundershower occurred over Jammu & Kashmir on 22nd & 23rd.
- Scattered rain/thundershower occurred over Northeastern States on most days of the week.
- Isolated/scattered rain/thundershower occurred over East Madhya Pradesh, Bihar, Jharkhand, north Orissa during many days of the week.
- Scattered rain/thundershower also occurred over West Madhya Pradesh, Chhattisgarh, Vidarbha, Madhya Maharashtra during second half of the week.
- Scattered to fairly widespread rain/thundershower with isolated heavy falls occurred over Andhra Pradesh, Tamil Nadu, Karnataka and Lakshadweep on many days of the week.
- Isolated rain/thundershower occurred over Andaman & Nicobar Islands during second half of the week.
- Mainly dry weather prevailed over remaining parts of the country.

MAXIMUM TEMPERATURE

- Maximum temperatures were above normal by 3-6°C over northwest India during the week.
- They were near normal over East Uttar Pradesh & Bihar on 20th, 22nd & 25th and above normal by 2-3°C during remaining days of the week.
- Maximum temperatures were above normal by 2-3°C over Orissa & Jharkhand and below normal by 6-10°C on 23rd & 24th and they were near normal during remaining days of the week. They were below normal by 2-5°C over West Bengal & Sikkim on 23rd and near normal during remaining days of the week.

- They were below normal by 2-4°C over Nagaland, Manipur, Mizoram & Tripura on 20th, 22nd & 25th and near normal during remaining days of the week. They were near normal over remaining parts of northeastern states during the week.
- They were below normal by 6-12°C over East Madhya Pradesh, Chhattisgarh and Vidarbha during 22nd-24th and near normal during remaining days of the week.
- They were below normal by 3-5°C over Vidarbha from 22nd to 24th and near normal during remaining days of the week. They were 2-4°C above normal over West Madhya Pradesh during first half of the week and near normal during the second half of the week.
- They were below normal by 4-8°C over south India during the week.
- They were above normal by 3-4°C over Rajasthan and Gujarat during the week. They were above normal by 2-3°C over north Madhya Maharashtra and near normal over remaining parts of Maharashtra during the week.

MINIMUM TEMPERATURE

- The minimum temperatures were above normal by 2-6°C over northwest India, Rajasthan, Madhya Pradesh, north Maharashtra, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim during the week.
- They were below normal by 2-4°C over North Interior Karnataka during second half of the week and near normal during first half of the week.
- They were near normal over the remaining parts of the country during the week.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 26TH MARCH, 2008)

Rainfall was excess/normal in 23, deficient/scanty in 7 and no rain in 6 out of 36 meteorological sub-divisions (Actual: 24.5 mm, Normal: 9.0 mm and Departure: +173 %).

CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 26TH MARCH, 2008)

Rainfall was excess/normal in 19, deficient/scanty in 13 and no rain in 4 out of 36 meteorological sub-divisions. (Actual: 33.4 mm, Normal: 25.5 mm and Departure: +31%).

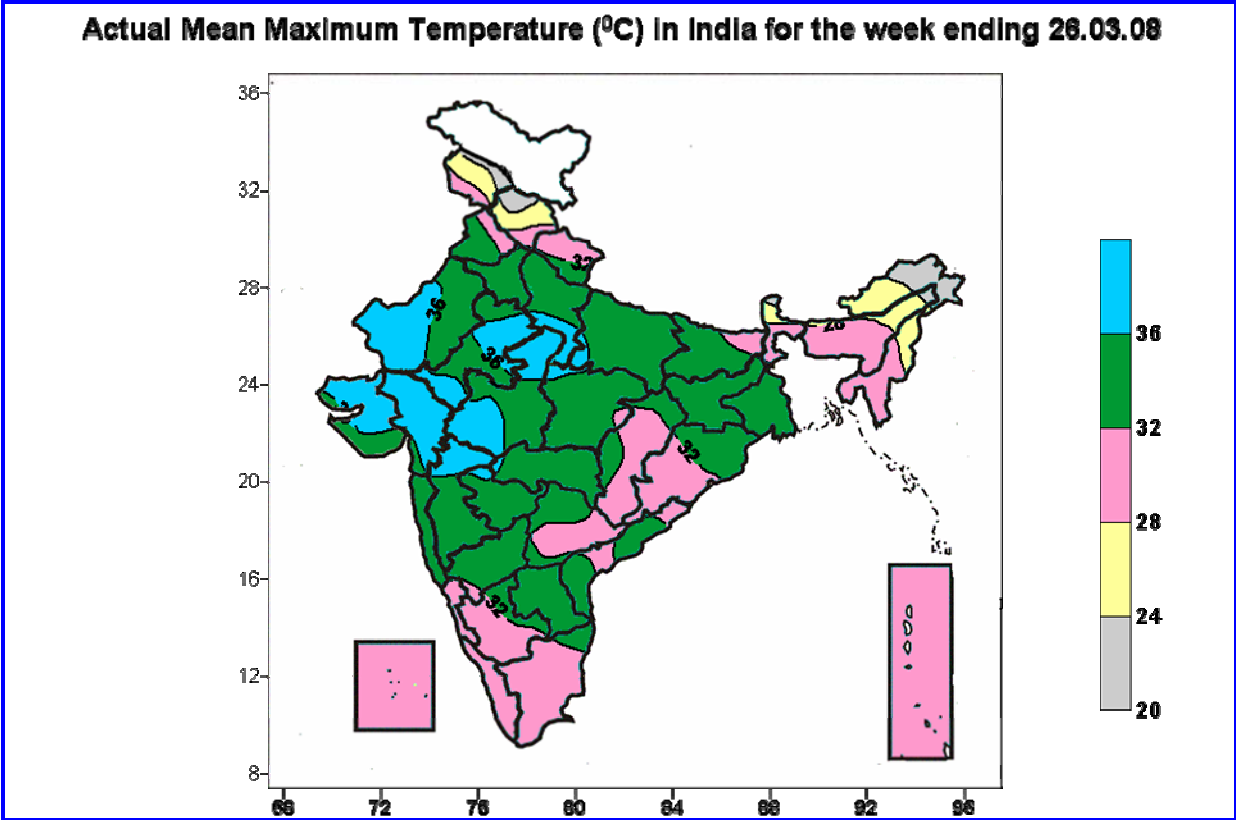
The sub-division-wise weekly and seasonal rainfall distribution is presented in the enclosed map.

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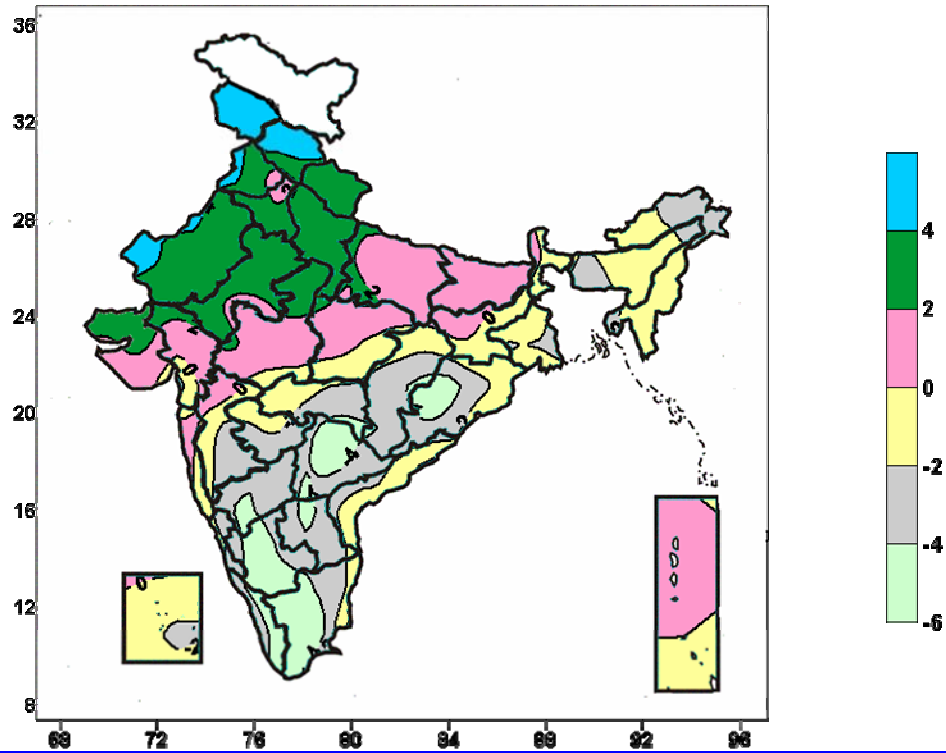
OUTLOOK FOR THE WEEK ENDING ON 2ND APRIL, 2008.

- Isolated to scattered rain/thundershowers activity accompanied with isolated thundersquall is likely over northeastern states during the week.
- Isolated to scattered rainfall activity is likely over south Peninsular India.
- Gradual rise in maximum temperature over northwest India, Rajasthan and adjoining central India.

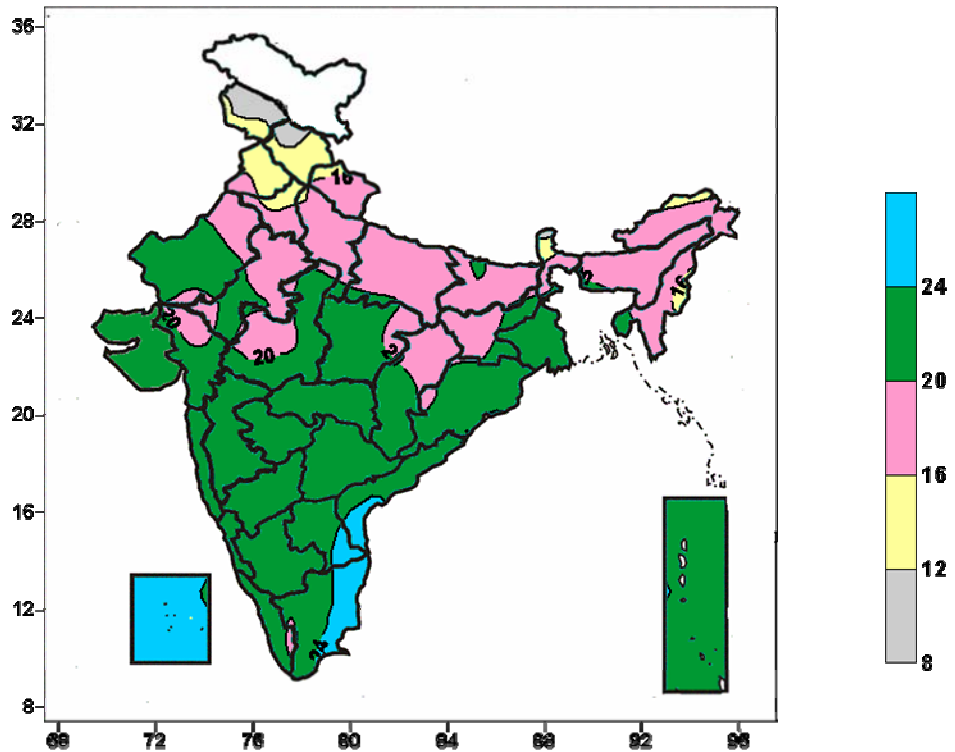
Contour maps for the week ending 26th March, 2008



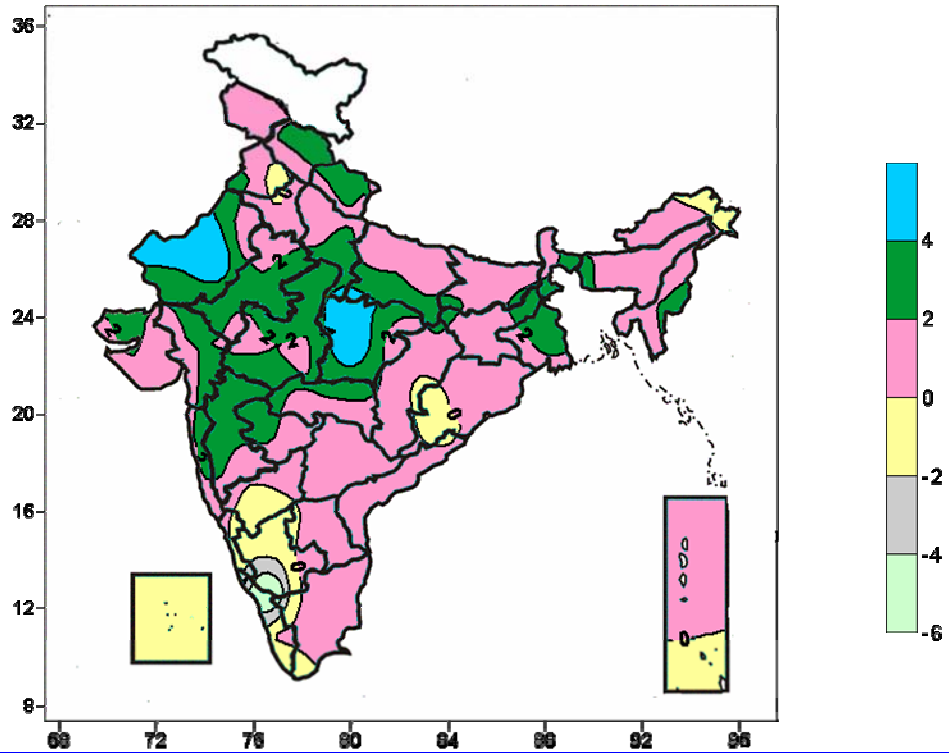
Maximum Temperature (°C) Anomaly in India for the week ending 26.03.08



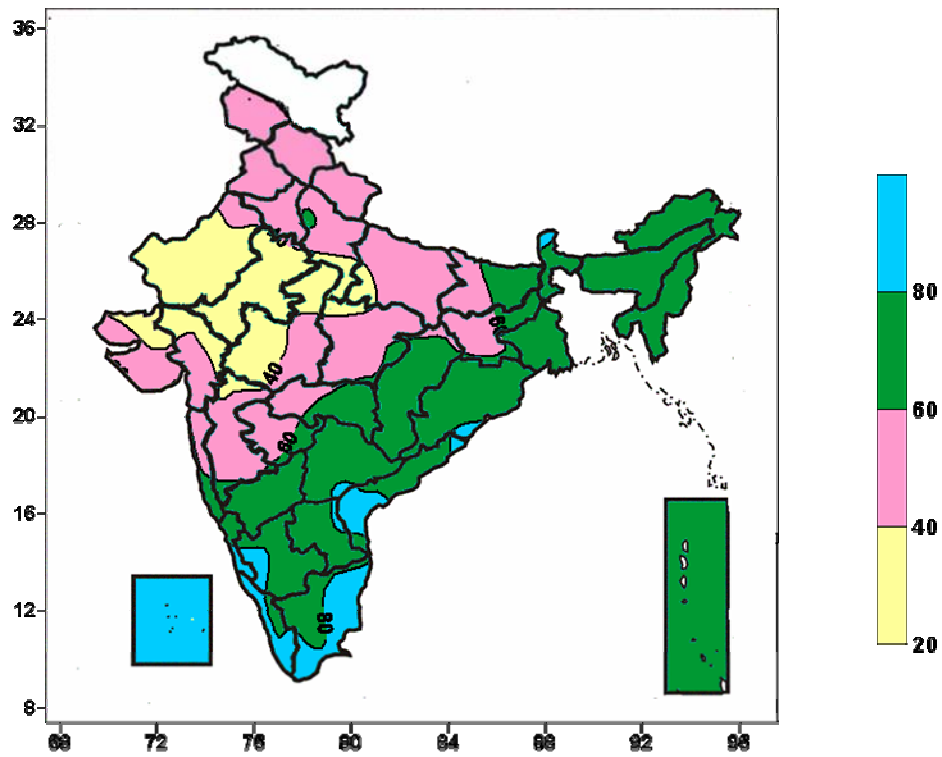
Actual Mean Minimum Temperature (°C) in India for the week ending 26.03.08



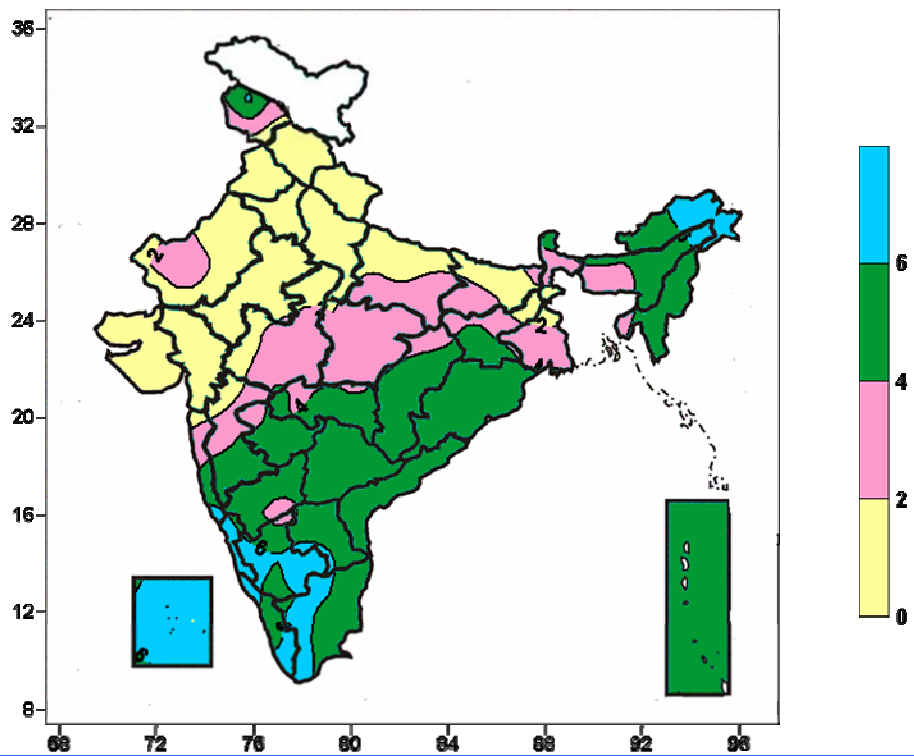
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 26.03.08



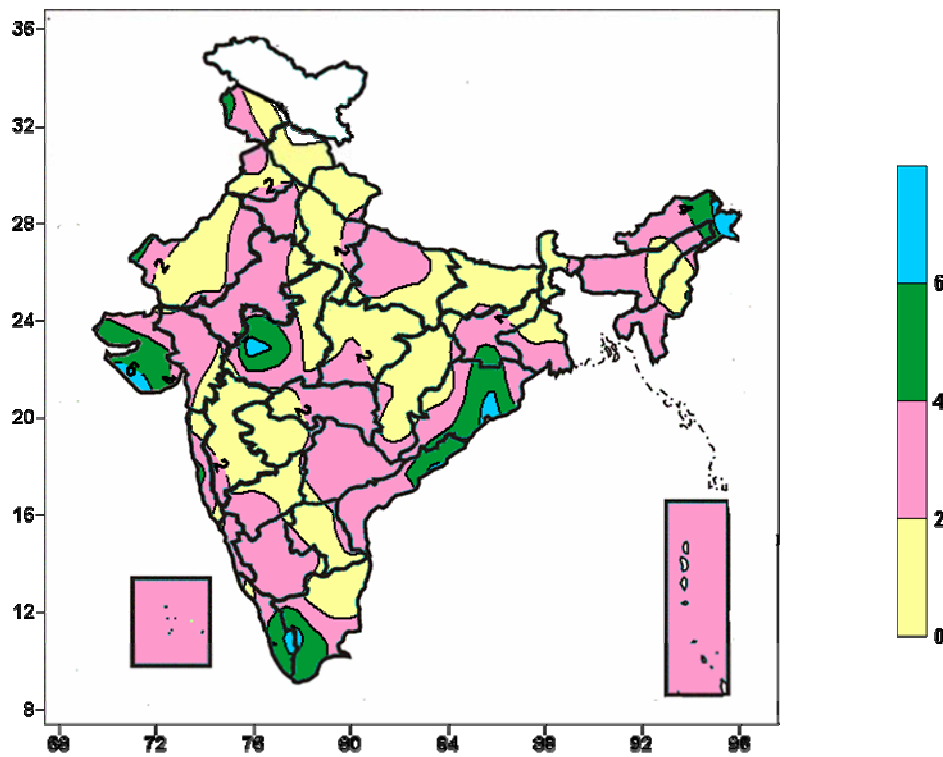
Relative Humidity (%) over India for the week ending 26.03.08



Cloud amount (okta) over India for the week ending 26.03.08



Wind speed (knots) over India for the week ending 26.03.08



Desert Locust Forecasting



Rainfall (mm)							
Station Name	20/03/08	21/03/08	22/03/08	23/03/08	24/03/08	25/03/08	26/03/08
Amritsar	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Barmer	00.0	-	00.0	00.0	00.0	00.0	00.2
Sriganganagar	00.0	00.0	00.0	00.0	00.0	00.0	-
Jaisalmer	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Kota	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Deesa	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Churu	00.0	00.0	00.0	00.0	00.0	00.0	00.0

Temperature(°C)

Station Name	20/03/08	21/03/08	22/03/08	23/03/08	24/03/08	25/03/08	26/03/08
Amritsar	22.0	-	24.5	22.0	22.5	23.0	22.0
Barmer	31.0	31.0	31.0	31.5	32.0	32.5	25.5
Sriganganagar	24.5	24.5	25.0	24.5	25.0	25.5	-
Jaisalmer	28.5	30.0	28.5	29.0	31.0	31.5	-
Kota	28.5	28.5	28.5	28.5	27.5	29.0	29.0
Deesa	28.5	28.0	28.5	30.0	29.5	29.0	28.5
Churu	26.5	25.5	27.0	28.0	26.5	26.5	28.0

Wind

Station Name	20/03/08		21/03/08		22/03/08		23/03/08		24/03/08		25/03/08		26/03/08	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
Amritsar	NE	03	-	-	-	-	NW	06	NE	07	SW	06	E	03
Barmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sriganganagar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jaisalmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kota	WNW	10	-	-	-	-	-	-	ESE	13	ESE	09	E	06
Deesa	W	08	WNW	01	N	06	N	12	NNE	08	S	04	SSW	03
Churu	S	07	-	-	-	-	-	-	E	08	E	08	NW	09

Under the prevailing weather conditions, there is no chance of locust infestation in Rajasthan and the adjoining areas during this week.

CROP - STATE - STAGE

Delhi

Vegetables	Mustard	Wheat	Barley	Berseem
vegetative / flowering / fruiting / harvesting	Seed formation/maturity	Flowering/milk	Grain formation	Vegetative
Gram				
Seed formation				

Haryana				
Sugarcane / Autumn sugarcane	Horticultural crops	Sunflower	Wheat	Rabi Pulses
Vegetative	Vegetative	Early vegetative	dough	Harvesting

Himachal Pradesh				
Vegetables (Ladies finger/ Cabbage, Cauliflower)	Ladies finger	Barley	Gram	Wheat
Vegetative/flowering/fruiting/harvesting	Fruiting/harvesting	Flowering/grain formation	Flowering/pod formation	Flowering/milk
Potato	Oilseeds (Torai, Rapeseed and mustard)			
Tuber formation	Pod formation			

Bihar				
Vegetables crops	Maize	Arhar	Other Rabi pulses	Wheat
vegetative	Cob formation	Harvesting	Harvesting	Grain formation
Sugarcane	Rabi oilseeds (rai, linseed)	Summer rice	Potato	
Vegetative	Pod formation	Early vegetative	Tuber formation	

Jharkhand				
Pea, gram	Litchi / Mango	Vegetables (Tomato, Brinjal, Bhendi)	Wheat	Mustard
Harvesting	Vegetative (tree)	Vegetative	Grain formation	Harvesting
Summer rice				
Early vegetative				

Sikkim				
Orange	Early sown Maize	Large Cardamom	Wheat	Mustard
Early flowering	Germination/early vegetative	Early flowering	Maturity	Maturity
Maize	Vegetables			
Early vegetative	Sowing			

West Bengal				
Sugarcane	Rabi arhar	Mustard / Rapeseed / gram / lentil	Sesamum	
Cane maturity / harvesting	Early maturity/maturity	Maturity/harvesting	Early vegetative/ vegetative	
Boro rice	Early transplanted Boro rice	Wheat	Groundnut / Green Gram	
Tillering	Early vegetative / tillering	Early maturity/maturity	Early vegetative/ vegetative	

Chhatisgarh				
Sugarcane	Rapeseed, mustard	Green gram/ Sesame	Vegetables	Wheat
Autumn sugarcane – Vegetative	Maturity/harvesting	Sowing/germination ,early vegetative	Fruiting/harvesting	Early maturity/maturity
Rabi crops(pulses)	Sunflower, Groundnut	Potato	Summer Rice	Green gram/sesame
Maturity/harvesting	Vegetative	Maturity/harvesting	Tillering	Sowing

Gujarat				
Sugarcane	Early planted s' cane	Castor	Mustard	Wheat
Vegetative	Early vegetative / vegetative	Harvesting	Maturity/harvesting	Early maturity/ maturity
Summer rice	Summer bajra	Kharif Cotton	Summer groundnut	Summer bajra
Tillering	Tillering	Boll maturity / picking	Vegetative	Land preparation/sowing

Maharashtra				
Sugarcane Preseasonal (Madhya Maharashtra, Marathwada & Vidarbha)	Sugarcane (Suru) (Madhya Maharashtra, Marathwada and Vidarbha)	Rabi safflower (Madhya Maharashtra, Marathwada & Vidarbha)	Rabi Jowar (Madhya Maharashtra, Marathwada & Vidarbha)	Wheat (North Konkan, Madhya Maharashtra, Marathwada & Vidarbha)
Elongation / cane development	Active growth / elongation	Maturity/harvesting	Maturity/harvesting	Grain maturity/harvesting

Potato (Madhya Maharashtra, Marathwada & Vidarbha)	Rabi onion (Madhya Maharashtra, Marathwada)	Maize (Konkan, Madhya Maharashtra, Marathwada & Vidarbha)	Summer green gram	Mango
Vegetative	vegetative	Vegetative	Land preparation/sowing	Fruit setting/fruit development
Summer Rice	Summer sunflower	Summer bajra	Summer groundnut	
Transplanting/early tillering	Early vegetative	Early vegetative	Germination/vegetative	

Madhya Pradesh

Sugarcane	Rabi crops (linseed, lentil, gram, mustard)	Wheat	Rainfed Wheat	
Grand growth	End harvesting	Grain development	Harvesting	

Orissa

Kharif vegetables	Rice	Sugarcane	Pulses	Oilseeds
Vegetative / fruiting	Tillering/panicle initiation	Vegetative	Pod maturity	Pod maturity/harvesting
Moong				
Vegetative				

Andhra Pradesh

Rice	Groundnut			
Grain formation	Pegging			

Karnataka

Early sown maize, jowar, groundnut, sunflower	Annual sugarcane	Rabi Jowar /Maize/Sunflower	Cotton	Summer rice
Vegetative	Active vegetative	Harvesting	Boll maturity/picking	Tillering

Kerala

Rubber	Pepper	Puncha rice	Areca nut/Coconut	Banana
Nursery management/weeding/lime application/tapping	nursery preparation	Harvesting	Harvesting	New planting

Tamil Nadu

Rice (Samba)	Sugarcane (Early, Mid season)	Maize/Jowar/Bajra/Samai	Groundnut/Black gram/Green gram/Red gram	
Flowering/grain formation	Cane development / maturity	Vegetative	Vegetative/flowering	
