



Summary of Agromet Advisory Services for different States of the country

Issued by

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(For the period 1st May to 5th May, 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

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rainfall in the State during last week and mainly dry weather is likely over the State, apply irrigation to the standing crops.
- Monitor the sugarcane crop for thrips and pyrilla & if exceeds economic threshold level, for effective control spray 350 ml Endosulfan 50 EC in 600 liter of water/acre.
- Apply 15 kg Nitrogen/ha in early sown sunflower hybrids.
- Continue sowing of summer moong and mash.
- Harvesting of wheat may be continued as weather remain dry for next three days.
- Continue sowing of radish.

Haryana

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rainfall in the State during last week and mainly dry weather conditions continue to prevail over the State, apply irrigation to sugarcane, *rabi* oilseeds, pulses, and Horticultural crops.
- Monitor the sugarcane crop for thrips and pyrilla & if exceeds economic threshold level, for effective control spray 350 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, mash and radish.

Rajasthan

- Mainly dry weather is likely over the state.

Advisories

- Heat wave conditions prevailed over some parts of north Rajasthan and likely to prevail for the next 2-3 days. Apply light and frequent irrigation to prevent the vegetable crops from heat injury.

- Continue harvesting of matured crops of wheat, barley, mustard, gram and potato.
- Monitor *summer* vegetable crops like bitter gourd and ridge gourd for fruit fly in and around Jaipur, Ajmer, Dausa and Tonk. Spray Malthion or Dimethoate @ 1 ml/litre of water.
- Monitor *summer* tomato, brinjal and chilli from blight and viral disease in and around Jaipur, Ajmer, Dausa and Tonk and if the damage crosses ETL, spray Mancozeb @ 2 g/litre of water to control blight. Spray Endosulfan @ 1.5 ml/litre of water to control vector to prevent viral disease.
- Continue land preparation and sowing of *summer* cotton in and around Jaipur, Ajmer, Dausa and Tonk. Select among RG-8 (170-180 days, Desi), Bikaneri Nerma (190-200 days, American) and RST-9 (190-200 days, American).
- Undertake summer plough after the harvest of wheat, barley and gram in and around Alwar, Dholpur, Bharatpur, Karauli and Sawai Madhopur to conserve summer rains and to kill insect pupae and pathogens.

Uttar Pradesh

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rainfall in the State and mainly dry weather is likely over the State for the next three days, apply irrigation to vegetable, summer pulses and sunflower crops. Apply light and frequent irrigation in East U.P as heat wave conditions is likely to prevail over parts of East U.P.
- Harvest the matured sugarcane, winter vegetables, turmeric, and potato.
- Continue field preparation and sowing of sugarcane, urd, and moong.
- To control internal rotten disease in mango, spray the solution of 5-6 gm Borax/litre of water.
- Weeding, hoeing, intercultural operations and application of fertilizers may be done as per requirement in summer sugarcane and vegetable crops.

Himachal Pradesh

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rainfall in the State during last week and mainly dry weather is likely over the State for next three days, apply irrigation to vegetables, potato and barley.
- 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 dry weather is likely to prevail for the next three days, apply irrigation to sugarcane, potato and orchard trees.
- Undertake intercultural operations in orchards and sugarcane to keep the field weed free.
- Complete harvesting wheat.
- Monitor mango trees for powdery mildew and litchi for mite incidences. Undertake need based plant protection measures.

Jammu & Kashmir

- Mainly dry weather is likely over the State.

Advisories

- Heat wave conditions prevailed over some parts of Jammu division and likely to prevail for the next 2-3 days. Apply light and frequent irrigation to prevent the crops from heat injury.
- As dry weather is likely to prevail over the State during next three days, apply irrigation to the standing crops.
- Continue sowing of vegetables and transplanting of tomato, brinjal and chillies.
- Preparation of seed beds for early raising of vegetable seedlings such as capsicum, chillies, brinjal, paprika etc. and filling of polybags for sowing of cucurbits under polyhouse conditions may be continued in Kashmir division.
- Complete harvesting wheat, barley, oats and oilseed crops in Jammu division. Start harvesting wheat in Kashmir division.
- Start land preparation and sowing of wheat varieties (HD-2329, CPAN-3004, Raj-3077, PBW-343, RSP-303, WH-542 -& PBW-154) under irrigated condition and PBW396, RSP81, IWP-72 & PBW-175 under rainfed condition with seed rate 100 kg/ha in Jammu division . Apply entire dose of DAP, MOP, ZnSO₄ and 50% of urea as a basal dose at the time of sowing. But before sowing seed should be treated with vitavax or bavistin or agrozim @ 2g/kg of seed against seed borne diseases.
- Farmers can also continue the sowing of barley (var. Ratna, Jyoti & Sonu) in rainfed areas as well as irrigated areas in Jammu division. The seed should be treated with captan or thiram @ 3gm/kg of seeds for the control of seed borne disease.

Delhi

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rain during last week and mainly dry weather is likely over the State for next three days, apply irrigation to vegetables crops.
- 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.

- Continue harvesting of already matured crops of wheat. When colour of wheat crop changes into golden or reddish, the crop will be ready for harvest.
- Continue harvesting of already matured crops of barley and gram.
- Prepare land and undertake sowing of Pusa Chetkin variety of raddish.
- Prepare land and undertake sowing of fodder bajra and lobia.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

- Rain / thundershowers occurred at isolated places in Kerala during this period.
- Isolated rain/thundershowers likely over Kerala State.

Advisories

- As there was no sufficient rainfall in most of the districts over the State during last week except in Alappuzha, Kozhikode and Pathanamthitta and rain/thundershowers is likely to occur at isolated places only for the next three days, apply irrigation to plantation crops viz., coconut, arecanut, rubber and banana. Postpone irrigation in the above districts as there was excess rainfall during last week.
- Abnormal leaf fall is observed in rubber. Undertake prophylactic spray of Bordeaux mixture @ 1%.
- Attack of stem bleeding and rhinoceros beetle is reported in coconut. 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. Fill the leaf axils with 25 gm. Sevidol 8 G and fine sand 200 gm to control rhinoceros beetle
- Complete harvesting matured *puncha* rice on bright sunny days.
- Attack of mahali disease is reported in arecanut. Apply 1% Bordeaux mixture to control the disease.
- Continue land preparation and nursery preparation of *virippu* rice and pepper.
- To protect young trees of arecanut and rubber from sun scorching basal portion of the trunk may be painted with lime.

Tamilnadu

- Isolated rain/thundershowers likely over north Tamil Nadu and mainly dry weather is likely over rest of the State.

Advisories

- Apply irrigation to groundnut, sugarcane and pulse crops as rain/ thundershowers likely at isolated places only over north Tamil Nadu and mainly dry weather is likely over rest of the State.
- 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.
- Continue land preparation and sowing of *summer irrigated* sorghum variety K8 in and Kovilpatty.

- Undertake summer ploughing in order to conserve soil moisture and destruction of pupa and larvae of insects.
- Continue picking of cotton in and around Kannivadi region. Picking may be done during early morning hours to maintain the quality of kapas.
- Spray Planofix @ 20 ppm to increase seed set in sunflower in and around Kovilpatty.
- Moderate incidence of fruit rot is observed in chillies in and around Kovilpatty. Spray Mancozeb @ 400 g/acre to control the disease.

Karnataka

- Mainly dry weather is likely over the State.

Advisories

- As there was no sufficient rainfall in the State during last week and mainly dry weather is likely over the State for the next three days, apply irrigation to sugarcane
- Conserve moisture in summer crop fields where the crops are at maturity stage.
- Undertake intercultural operations and propping in sugarcane to prevent the crop from lodging. Monitor the crop for white woolly aphids and release predators like *Dipha* sp, adopt wider spacing, inter-cropping with soyabean and pulses of short duration as plant protection measures against woolly aphids.
- Monitor summer rice for blast attack and undertake need based plant protection measures.
- Continue land preparation and sowing of early *kharif* crops like green gram, black gram, jowar and sunflower.

Andhra Pradesh

- Mainly dry weather is likely over the State.

Advisories

- Conserve moisture in groundnut field as the crop is now at maturity stage. Avoid spraying chemicals
- Continue harvesting the matured rice crop on bright sunny day.

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

Assam

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

Advisories

- As there was excess rainfall occurred in Barpeta, Bongaigaon, East khasi hill, Goalpara, Kokrajhar, Sonitpur, postpone irrigation to the standing crops in these districts.
- Maintain 3 – 5 cm of water in *boro* rice and early *ahu* rice field.

- Continue sowing of jute. 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.
- Prepare land applying FYM and Urea @ 12 Kg, SSP @ 17 Kg and MOP 4 Kg per bigha for sowing of broadcasted regular *ahu* rice. 14 kg seeds are required for broadcast of one bigha of land. For transplanted regular *ahu* rice, seed bed of 10 m in length and 1.25 m in breadth with 30 cm gap between two seedbeds should be prepared. Well germinated seeds are to be sown @ 650-1000 g per bed. For transplanting one hectare of land 40-45 kg seeds are required.
- Prepare land for sowing of maize. 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.
- As maize is very susceptible to water logging, arrange for surface drainage in the field.
- 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., insecticides like Chloropyphos 20 EC @ 1.5 ml or Phosphamidon @ 1ml per litre of water is to be sprayed.
- Infestation of pest and disease such as fruit fly, epilachna beetle, aphids and red Pumpkin beetle and powdery mildew, downy mildew and anthracnose in summer vegetables in some localities is reported. For control of pests such as fruit fly, epilachna beetle, aphids and red Pumpkin beetle in summer vegetables, malathion 50 E.C. @ 2 ml per litre of water should be applied. Also for control of diseases such as powdery mildew, downy mildew and anthracnose, apply Bavistan @ 1 g / litre of water or Diathine Z-78 or Captaf @ 2 g / litre of water should be applied.
- Apply pesticides and continue sowing operations on a non rainy day.

Arunachal Pradesh

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

Advisories

- Harvest the matured crops of pea, and *rabi* maize.
- Farmers are advised to continue sowing of summer vegetables like ladies finger, cucurbits / pumpkin etc.
- Undertake sowing of ginger.
- Postpone irrigation to the standing crops in East Siang, Lohit and Papumpara as there was excess rainfall during last week in these districts.
- Continue sowing/ transplanting of wet seeded (WRC) rice.

Bihar

- Weather was mainly dry.
- Mainly dry weather is likely over the State.

Advisories

- As there was no rainfall during last week and mainly dry weather/heat wave conditions is likely over parts of the State, apply light and frequent irrigation to vegetables, arhar, and sugarcane.
- Complete sowing of summer vegetables and moong.
- Maintain 3– 5 cm standing water in the rice field.

Jharkhand

- Weather remained mainly dry.
- Mainly dry weather is likely over the State. Rise in maximum temperature over the State.

Advisories

- Apply light and frequent irrigation to the vegetables as there was no significant rain occurred in the State during last week and mainly dry weather/heat wave conditions is likely over parts of the State.
- Prepare field and undertake sowing of summer vegetables, moong and til.
- Harvest the matured crops of wheat.
- Topdressing of urea after 50 days of transplanting can be done in summer rice.

Sikkim

- Rain/thundershower likely at a few places over Sikkim.

Advisories

- As there was excess rainfall during last week, postpone irrigation to orange, large cardamom, early sown maize and vegetable crops.
- Monitor large cardamom for caterpillar/ shoot borer and infected plants 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 on a non rain day.
- Undertake weeding, thinning and intercultural operations in maize on a non rain day.
- Continue 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/thundershower likely at a few places over Sub-Himalayan West Bengal.
- Mainly dry weather is likely over rest of the State.
- Rise in maximum temperature over Gangetic West Bengal.

Advisories

- As there was no significant rain during last week and no significant rain is likely to occur for next three days in the State, apply light and frequent irrigation to sesamum, groundnut, green gram and early planted sugarcane.
- Maintain 3 – 5 cm standing water in *boro* rice field.
- Complete harvesting of matured crops of arhar and wheat.
- 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 Tricyclozol 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 week over the State and mainly dry weather 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.
- If groundnut crop appears yellowish spray mixture of 100 g ferrous sulphate + 10 g citric Acid (Lemon arck) dissolved in 10 liters of water & spray over the crop in 500 liters of water.

Chhattisgarh

- Mainly dry weather is likely over the State.
- Rise in maximum temperature over the State.

Advisories

- Maximum temperature is likely to increase over the State for the next three days. Apply light and frequent irrigation to prevent the standing crops from heat injury.
- As there was no rainfall during last week and mainly dry weather is likely over the State for next three days, apply irrigation to sugarcane, vegetables, sunflower, groundnut and sesame.
- Maintain 5 cm water in summer rice field.
- Top dressing of sugarcane with Nitrogen may be done.
- Prepare land and continue sowing of green gram.

Maharashtra

- Mainly dry weather is likely over the State.

Advisories

- As there was no significant rain during last week and mainly dry weather is likely over the State for the next three days, apply irrigation to sugarcane (pre-seasonal), sugarcane (*suru*) and summer groundnut, summer green gram, summer sunflower and summer bajra at grain formation stage.
- Maintain 3 – 5 cm standing water in summer rice field.
- 5-6 ton trash may be applied in the field of sugarcane (pre-seasonal) and sugarcane (*suru*) to control evaporation.

- For control of thrips in mango, spray Imidachlorpid @ 3 – 4 ml or 30% Dimethoate @ 15 ml / 10 liter water.
- Harvest mango fruits at 80% ripening stage & at morning upto 10 am and after 4 pm & keep fruits in shadow.
- Complete last intercultural operation to keep the field weed free wherever groundnut is at flowering stage.

Madhya Pradesh

- Mainly dry weather is likely over the State.

Advisories

- Heat wave conditions prevailed over some parts of north Madhya Pradesh and likely to prevail for the next 2-3 days. Apply light and frequent irrigation to prevent the standing crops from heat injury.
- As there was no significant rain during last week in the State and mainly dry weather is likely over the State, apply irrigation to *summer* moong and sugarcane.
- Undertake intercultural operation in *summer* moong and sugarcane to keep the field weed free.

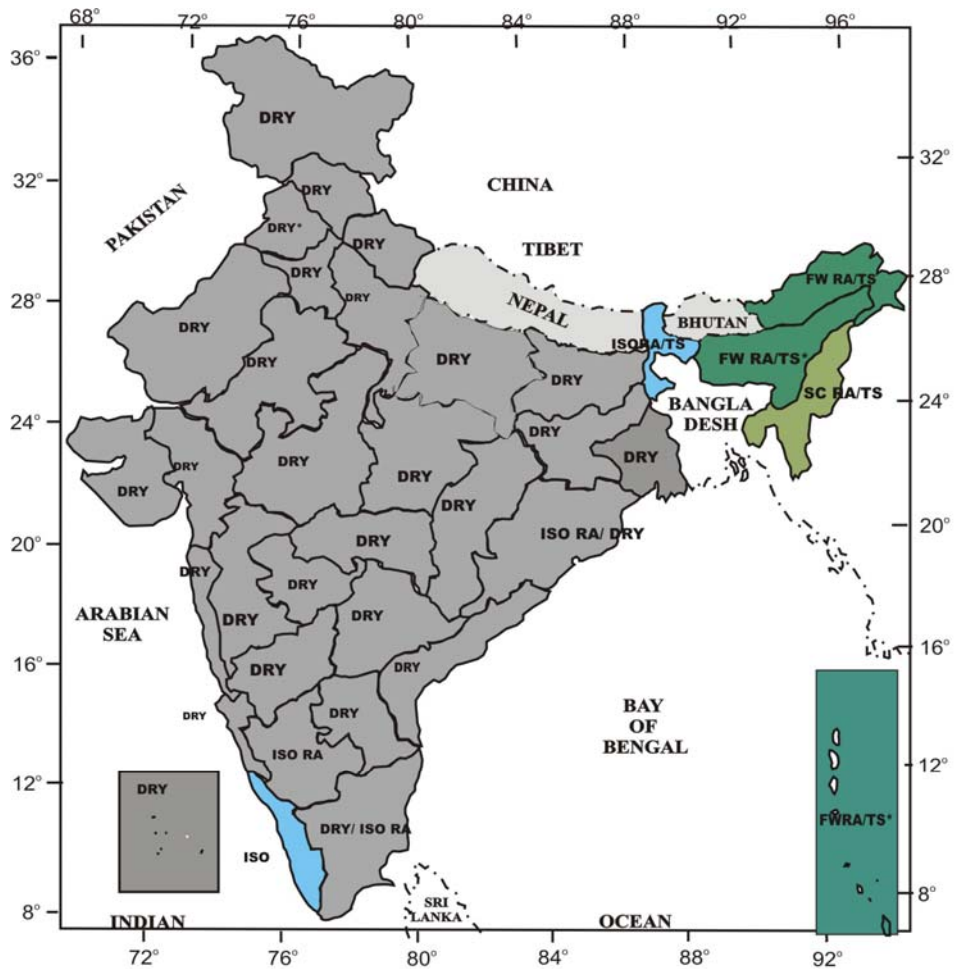
Orissa

- Mainly dry weather is likely over the State.
- Rise in maximum temperature over Orissa State.

Advisories

- As there was no rainfall during last week in most of the districts and mainly dry weather is likely to prevail over the State for next three days, apply irrigation to vegetables, moong and early sown sugarcane.
- 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. Also monitor the crop for leaf blight and spray Mancozeb @ 4-5 gm/litre of water to control leaf blight.
- Continue harvesting the matured pulses, vegetable and oilseed crops.
- Monitor sugarcane for early shoot borer and undertake need based plant protection measures.

Forecast Valid upto 4th May, 2008



ISO - Isolated, TS - Thunder shower/storm, SN - Snow,
 RA - Rain, DRY - No rain, SC - Scattered, MOD-Moderate,
 T SQ - Thunder Squall, HA- Hail. DS - Dust Storm,
 FW - Fairly Widespread
 * - With heavy Rain warning, # fog condition

Salient weather features for the week ending 30/04/08

MAIN EVENTS OF THE WEEK

- A cyclonic storm “**NARGIS**” formed over southwest and adjoining southeast & westcentral Bay of Bengal in the early morning of 28th April. It intensified into a severe cyclonic storm in the afternoon of the same day and further intensified into a very severe cyclonic storm on 29th morning. The system moved initially in a northwesterly direction till 28th morning and recurved and moved northeastwards thereafter. It lay centered at 0830 hours IST of 30th April over westcentral and adjoining south & eastcentral Bay of Bengal near lat. 14.5⁰ N and Long 86.5⁰ E, about 950 km west-southwest of Sandoway (Myanmar).
- Under the influence of the above system, fairly widespread rainfall with isolated heavy falls occurred over Andaman & Nicobar Islands. Squally wind speed reaching 45-55 kmph also prevailed around Andaman & Nicobar Islands during this period.
- Heat wave conditions prevailed over some parts of Rajasthan, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh and Vidarbha on many days of the week.

METEOROLOGICAL ANALYSIS

- Last week’s upper air cyclonic circulation over south Andaman Sea and southeast Bay of Bengal persisted upto 25th. Under its influence a low pressure area formed over southeast Bay of Bengal and neighbourhood on 26th April. It then concentrated into a depression and lay centered at 0830 hours of 27th over southeast Bay of Bengal near Lat. 12.0⁰ N and Long 87.0⁰ E, about 750 km east-southeast of Chennai. The system moved slightly northwestwards and intensified into a deep depression and lay centered at 1730 hours IST of 27th over southeast and adjoining south west Bay of Bengal near Lat. 12.0⁰ N and Long 86.5⁰ E, about 700 km east-southeast of Chennai. Under the favourable conditions like high ocean heat content, low vertical wind shear, poleward outflow at upper level and increasing convergence in the lower levels, the deep depression further intensified into a Cyclonic Storm “NARGIS” and lay centered at 0530 hours IST of 28th over southwest and adjoining southeast & westcentral Bay of Bengal near Lat. 13.0⁰ N and Long. 85.5⁰ E, about 550 km east of Chennai. The cyclonic storm “NARGIS” remained practically stationary and further intensified into a Severe Cyclonic Storm at 1430 hours IST of 28th over southwest and adjoining southeast & westcentral Bay of Bengal near Lat. 13.0⁰ N and Long. 85.5⁰ E, about 550 km east of Chennai. Under the influence of an anticyclonic circulation at upper levels lying to the southeast of the centre of the system, the Severe Cyclonic Storm slightly moved northwards, intensified into a Very Severe Cyclonic Storm, and lay centered at 0830 hours IST of 29th over westcentral and adjoining southwest & southeast Bay of Bengal near Lat. 13.5⁰ N and Long. 85.5⁰ E, about 550 km east-northeast of Chennai. The system then moved northeastwards and lay centred at 0830 hours IST of 30th over westcentral and adjoining south & eastcentral Bay of Bengal near Lat. 14.5⁰ N and Long. 86.5⁰ E, about 950 km west-southwest of Sandoway (Myanmar). It further moved slowly eastwards and lay centered at 1730 IST hours of 30th over westcentral and adjoining south & east central Bay of Bengal near Lat. 14.5⁰ N and Long. 87.0⁰ E, about 900 km west-southwest of Sandoway (Myanmar).
- Last week’s upper air cyclonic circulation over Sub-Himalayan West Bengal & Sikkim and neighbourhood persisted over the same area on 24th, and lay over Assam & Meghalaya and neighbourhood on 25th & 26th, Arunachal Pradesh and neighbourhood on 27th and moved away eastwards thereafter.
- A trough sometimes embedded with cyclonic circulation in lower tropospheric levels ran across south peninsula during first half of the week.
- An upper air cyclonic circulation in lower tropospheric levels lay over Vidarbha and adjoining Chhattisgarh on 24th, Madhya Pradesh and neighbourhood on 25th, East Uttar Pradesh and adjoining north Madhya Pradesh on 26th, Bihar and adjoining Sub-Himalayan West Bengal & Sikkim on 27th, Sub-Himalayan West Bengal & Sikkim and neighbourhood during 28-30th.

- An upper air cyclonic circulation in lower tropospheric levels lay over West Rajasthan and neighbourhood on 28th & 29th and north Rajasthan and neighbourhood on 30th.

RAINFALL / SNOWFALL

- Fairly widespread to widespread rain/thundershower occurred over Andaman & Nicobar Islands on many days with isolated heavy falls on a few days of the week.
- Scattered to fairly widespread rain/thundershower occurred over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya during many days of the week.
- Isolated to scattered rain/thundershower occurred over Kerala, Tamil Nadu & Puducherry and Coastal Karnataka during many days and interior Karnataka during a few days of the week.
- Isolated rain/thundershower occurred over Jammu & Kashmir on many days of the week.
- The detailed rainfall distribution over different subdivisions is given in *Table-1*.

MAXIMUM TEMPERATURE

- Heat wave conditions prevailed over some parts of Rajasthan, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Vidarbha and Madhya Pradesh on many days of the week. Heat wave conditions also prevailed over isolated pockets over Jharkhand on 25th, Bihar on 28th, East Uttar Pradesh on 25th & 26th, West Uttar Pradesh on 28th, Jammu division of Jammu & Kashmir on 30th, Madhya Maharashtra on 25th & 28th.
- The details of maximum temperature distribution over different sub-divisions during the week are given in Table -1.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 30TH APRIL, 2008)

The chief amount of rainfall (1 cm and above) reported over various stations are given in Annexure-I.

Rainfall was excess/normal in 7, deficient/scanty in 11 and no rain in 18 out of 36 meteorological sub-divisions (Actual: 5.9 mm, Normal: 10.8 mm and Departure: - 45 %).

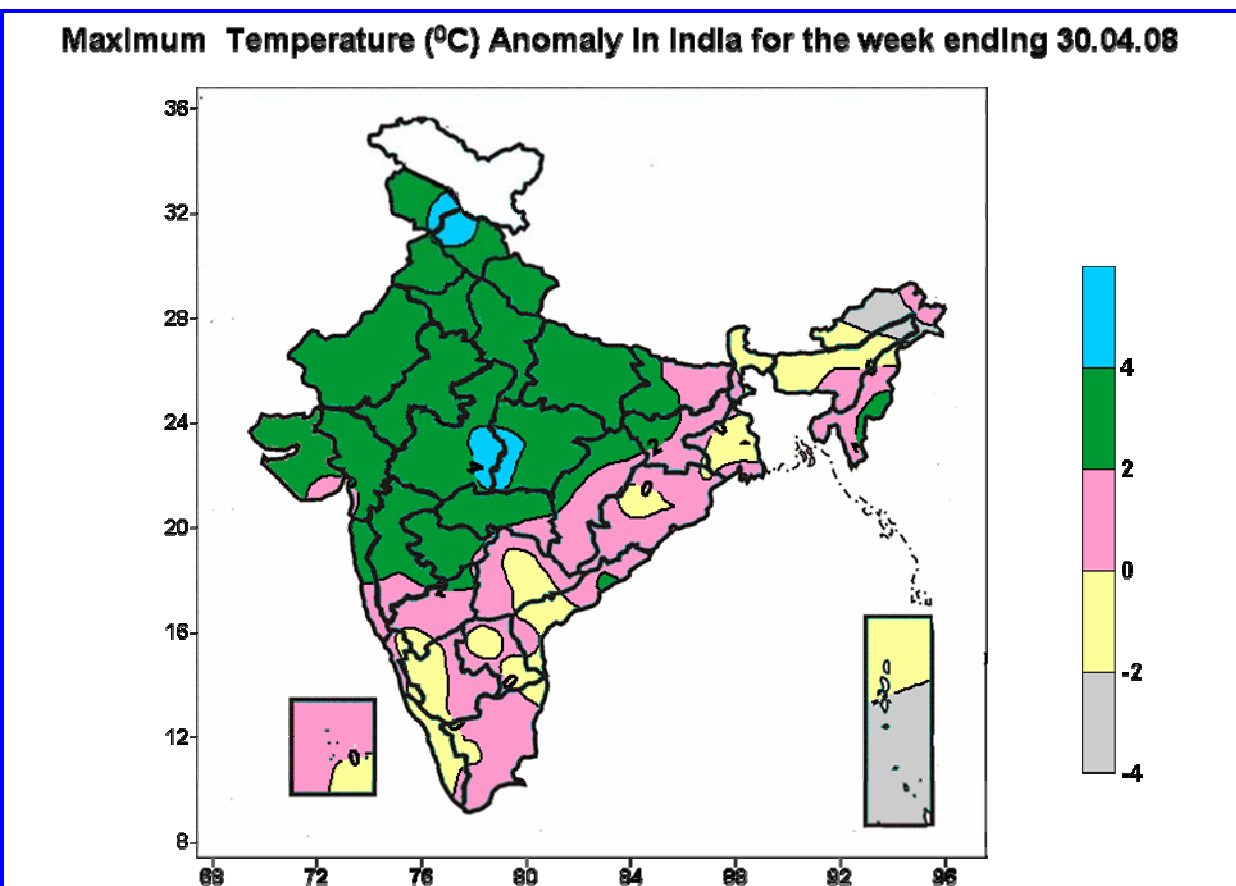
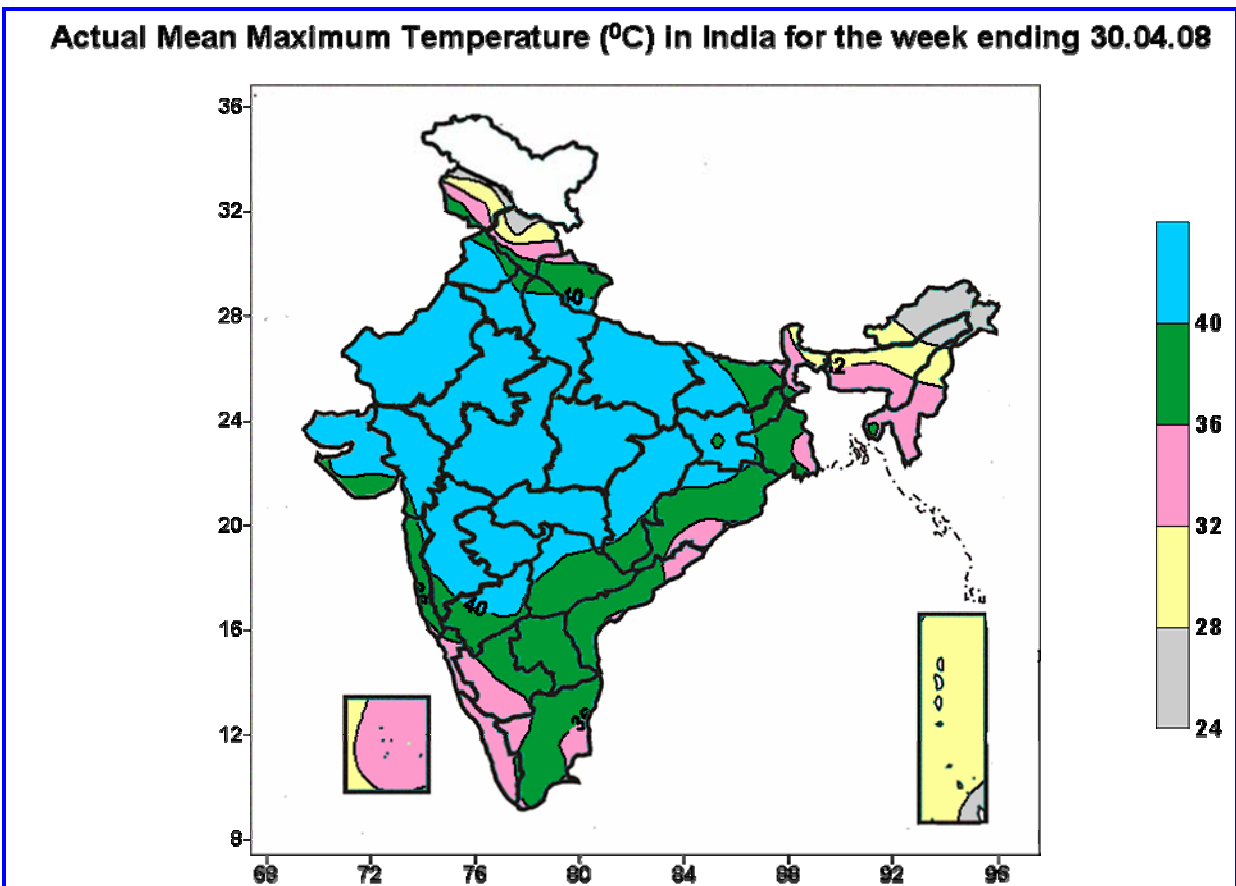
CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 30TH APRIL, 2008)

- Rainfall was excess/normal in 24 and deficient/scanty in 12 out of 36 meteorological sub-divisions. (Actual: 70.0 mm, Normal: 70.3 mm and Departure: 0%).
- The sub-division-wise weekly and seasonal rainfall distribution is presented in the enclosed map.
- District-wise distribution of excess, normal, deficient and scanty rainfall is shown in *Table-2*. A comparative data of cumulative seasonal rainfall during the corresponding period of last five years is given in Table-3.

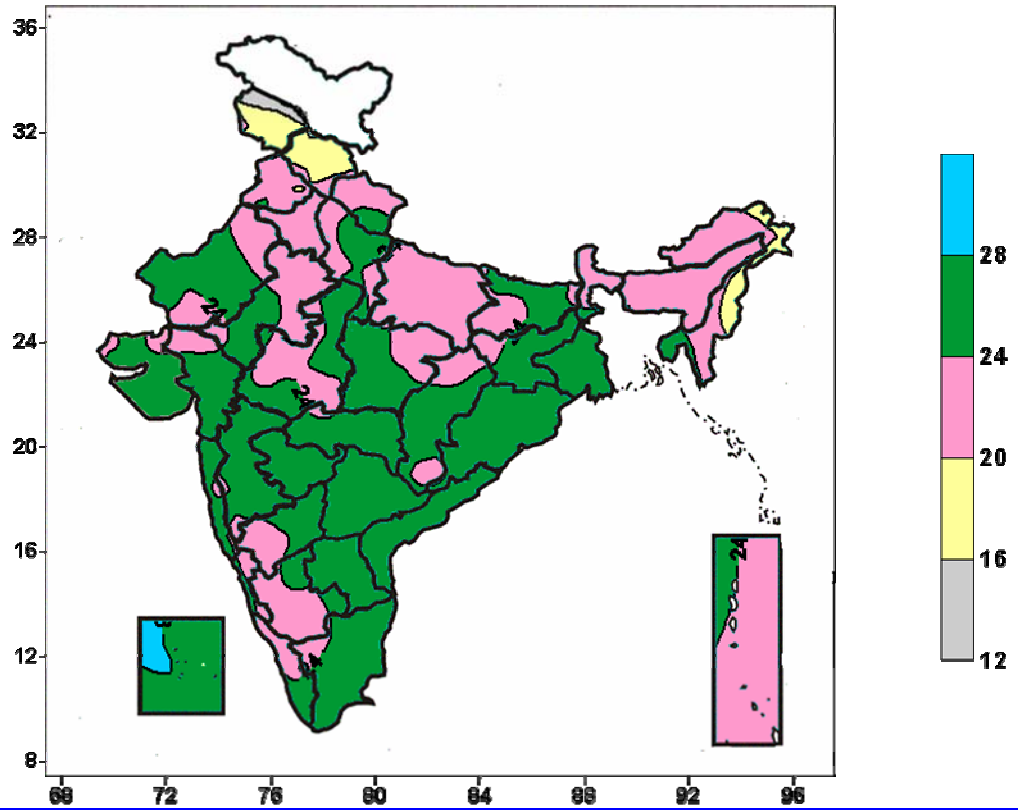
OUTLOOK FOR THE WEEK ENDING ON 7TH MAY, 2008.

- The very severe cyclonic storm "NARGIS" lay centred at 0830 hrs IST of 1st May 2008 over East Central and adjoining West Central Bay of Bengal near Lat 15.50N and Long 89.00E about 650 Km southwest of Sandoway (Myanmar). The system is likely to intensify further and move in a east-northeasterly direction and cross Myanmar coast between 160N and 180N around night of 2nd May 2008. Under its influence rain/thundershower is likely at many places with isolated heavy falls over Andaman & Nicobar islands during next 48 hours.
- Squally wind speed reaching 45-55 kmph is also likely over Andaman Islands and adjoining sea areas during next 48 hours. Sea condition will be rough to very rough around Andaman islands.
- Isolated dustorm/thunderstorm activity is likely over northwest India.
- Heat wave condition may develop over parts of east India.

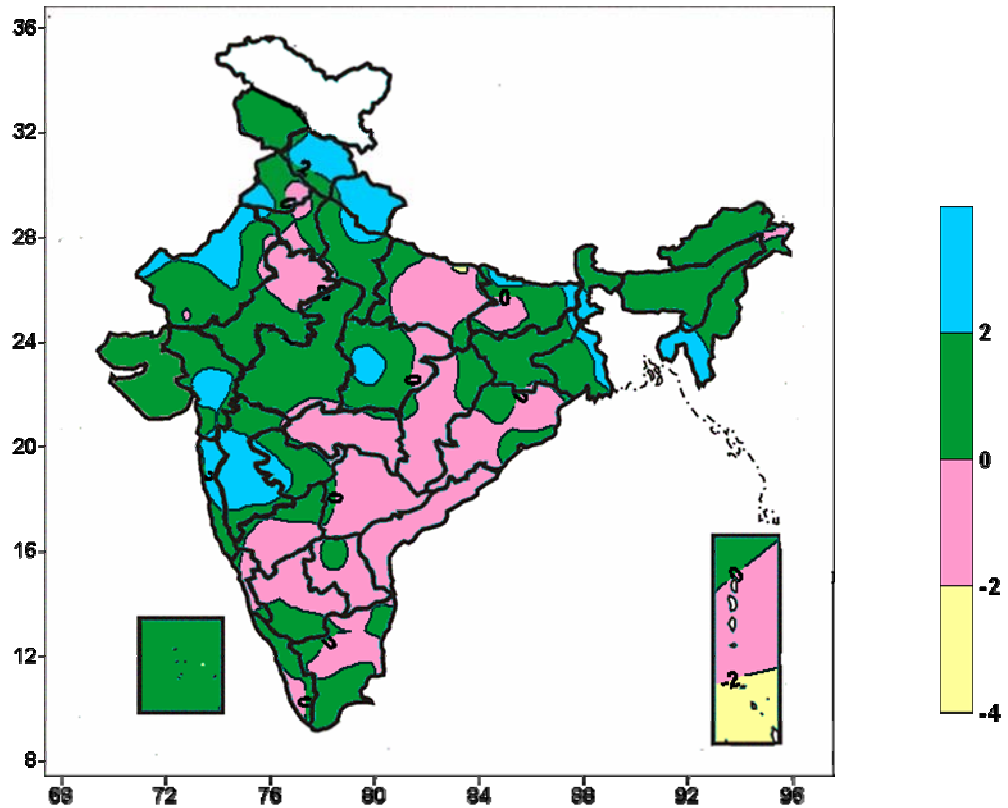
Contour maps for the week ending 30th April, 2008



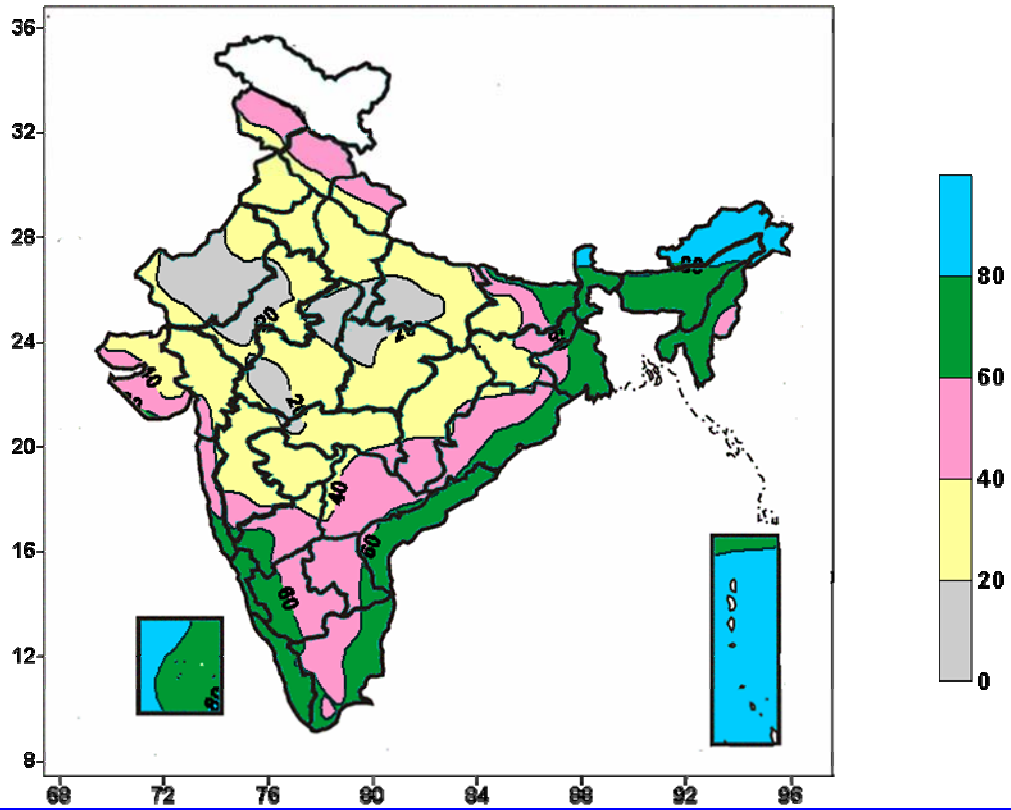
Actual Mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 30.04.08



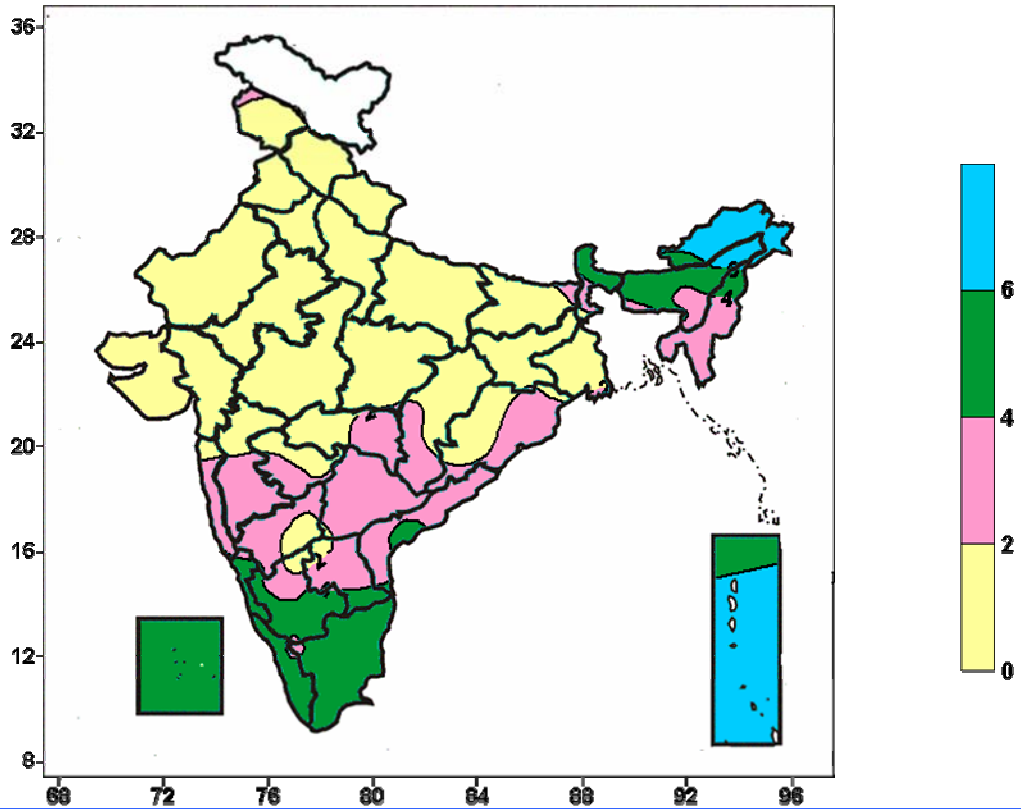
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 30.04.08



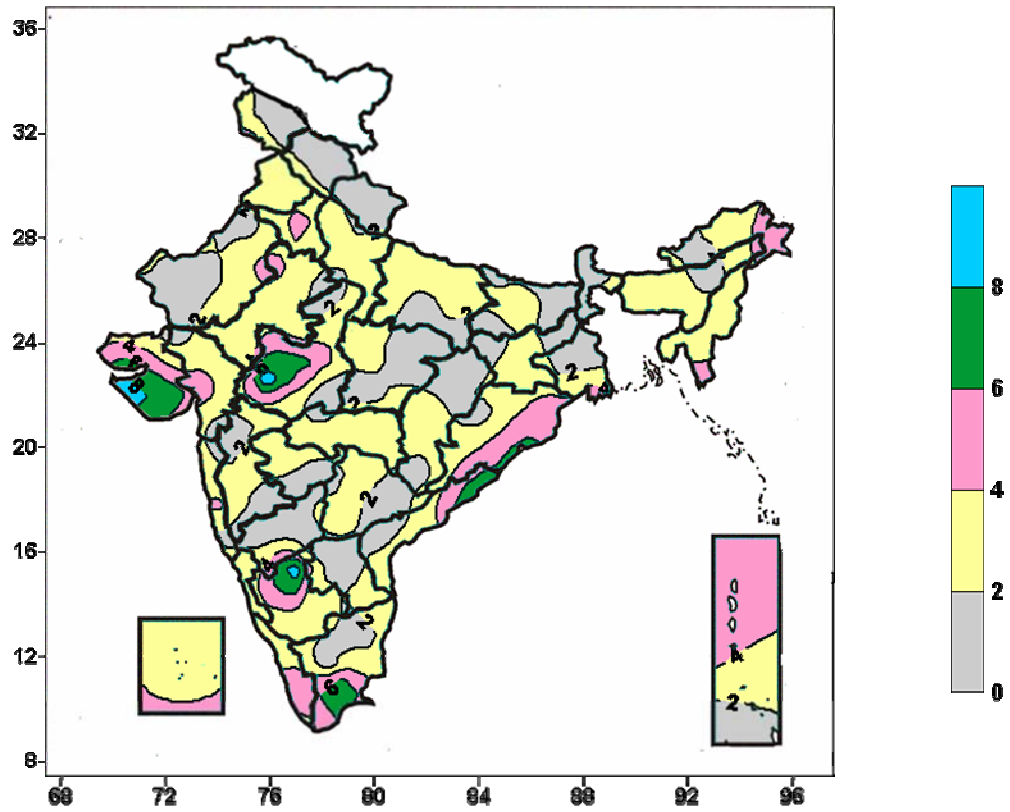
Relative Humidity (%) over India for the week ending 30.04.08



Cloud amount (okta) over India for the week ending 30.04.08



Wind speed (knots) over India for the week ending 30.04.08



Desert Locust Forecasting



Rainfall (mm)							
Station Name	24/04/08	25/04/08	26/04/08	27/04/08	28/04/08	29/04/08	30/04/08
Amritsar	06.0	00.0	00.0	00.0	00.0	00.0	00.0
Barmer	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Sriganganagar	00.0	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	24/04/08	25/04/08	26/04/08	27/04/08	28/04/08	29/04/08	30/04/08
Amritsar	31.0	-	-	27.5	29.0	30.0	30.0
Barmer	32.5	-	-	36.5	35.5	33.0	34.0
Sriganganagar	31.0	-	-	32.0	31.0	31.0	33.0
Jaisalmer	32.5	-	-	34.5	34.0	33.5	33.5
Kota	34.0	-	-	36.0	34.5	36.0	36.0
Deesa	31.5	-	-	33.0	32.0	31.5	31.5
Churu	32.0	-	-	32.5	32.5	33.5	33.5

Wind

Station Name	24/04/08		25/04/08		26/04/08		27/04/08		28/04/08		29/04/08		30/04/08	
	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed
Amritsar	WNW	06	-	-	-	-	WNW	08	E	10	E	05	NE	06
Barmer	WSW	04	NW	06	N	07	-	-	WNE	18	WSW	14	SW	14
Sriganganagar	N	13	-	-	-	-	-	-	NE	04	ENE	16	E	15
Jaisalmer	NE	10	E	10	NNE	09	-	-	SSW	03	SW	31	WSW	14
Kota	NNE	06	W	09	NNE	09	-	-	NE	04	N	10	NW	12
Deesa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Churu	ENE	14	ENE	10	E	22	-	-	ENE	10	-	-	-	-

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

CROP - STATE - STAGE

New Delhi

Vegetables	Gram	Wheat	Barley	Fodder bajra and lobia
vegetative / flowering / fruiting/ harvesting	Harvesting	Harvesting	Harvesting	Land preparation/ sowing
Haryana				
Autumn sugarcane	Horticultural crops	Sunflower	Oilseeds	Summer Pulses
Vegetative	Vegetative	Early vegetative	Early vegetative	Sathe moong- complete sowing Moong-sowing

Himachal Pradesh

Vegetables (Ladies finger/ Cabbage, Cauliflower)	Ladies finger	Barley	Gram	Wheat
Vegetative/flowering/fruiting/harvesting	Fruiting/harvesting	Grain formation/maturity	Pod maturity	Early maturity
Potato	Oilseeds (Torai, Rapeseed and mustard)			
Tuber formation	Pod formation			

Jammu & Kashmir

Vegetable crops	Wheat	Pulses	Brown Sarson, Mustard	Barley, Oat
vegetative	Grain maturity/harvesting	vegetative	Capsule maturity/harvesting in Jammu	Grain maturity/harvesting- Jammu

Punjab

Autumn sugarcane	Wheat	Summer pulses	Sunflower	Horticultural crops
Vegetative	Harvesting	Early vegetative	Early vegetative/vegetative	Vegetative
Oilseeds				
Early vegetative/vegetative				

Rajasthan

Wheat & barley	Cotton	Summer Vegetable crops	Potato	
Harvesting	Sowing	Vegetative	Harvesting	

Uttar Pradesh

Sugarcane	Vegetables	Summer pulses	Sunflower	Mango
Cane maturity/harvesting	Fruiting / maturity	Early vegetative	Vegetative	Fruit setting
Wheat	Summer Sugarcane	Oilseeds		
Harvesting	Early vegetative	Vegetative		

Uttarakhand

Mango/Litchi	Wheat	Sugarcane	Potato	Apple
Flowering/fruiting	Harvesting	Vegetative	Tuber formation	Vegetative

Assam

Regular Ahu rice	Maize	Horticultural plants	Boro rice	Summer vegetables
Broadcasted & Transplanted-Land preparation and sowing	Land preparation/ sowing	Planting	Dough/maturity	Vegetative / flowering /fruiting
Early Ahu rice	Jute	Early sown Jute		
tillering	Land preparation/ sowing	Germination / early vegetative		

Arunachal Pradesh

Ginger	Summer Vegetables	Jhum Rice/Wet seeded rice	Mustard	Wheat
Land preparation for	Vegetative	Land	Harvesting	Harvesting

sowing		preparation/sowing/transplanting		
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Bihar

Vegetables & fruit crops	Summer Maize	Summer rice	Sugarcane	Potato
vegetative/fruitletting	Vegetative	Vegetative	Vegetative	Tuber formation

Jharkhand

Summer rice	Litchi / Mango	Vegetables (Tomato, Brinjal, Bhendi)	Wheat	Summer moong and til
Early vegetative/ Vegetative	Vegetative (tree)	Vegetative	Harvesting	Sowing

Sikkim

Orange	Vegetables	Large Cardamom	Wheat	Maize
Fruiting	Sowing	Capsule formation/development	Harvesting	Flowering/grain formation

West Bengal

Sugarcane	Early Planted Sugarcane	Rabi Arhar	Groundnut	Green Gram
Planting	Sprouting/early vegetative	Harvesting	Vegetative/flowering/pegging	Early vegetative / vegetative
Boro rice	Wheat	Sesamum		
Panicle initiation / flowering/milk	Harvesting	Vegetative/flowering/pod formation		

Chhatisgarh

Sugarcane	Sesame	Summer Rice	Vegetables	Green gram
Autumn sugarcane – Vegetative	Seed formation	Grain formation / milking	Fruiting/harvesting	Sowing
Sunflower and groundnut				
Grain/pod formation				

Gujarat

Sugarcane	Summer rice	Summer groundnut	Summer bajra	
Vegetative	Tillering/ panicle initiation	Vegetative	Vegetative	

Maharashtra

Sugarcane Preseasonal (Madhya Maharashtra, Marathwada & Vidarbha)	Sugarcane (Suru) (Madhya Maharashtra, Marthwada and Vidarbha)	Summer sunflower	Mango	Summer green gram
Elongation / cane development	Active growth / elongation	Flowering/ head formation/seed formation	Fruit development/ fruit maturity/harvesting	Flowering/pod formation
Potato (Madhya Maharashtra, Marathwada & Vidarbha)	Summer Rice	Summer bajra	Summer groundnut	
Vegetative	Panicle initiation/flowering	Grain formation/maturity	Pegging/pod formation	

Madhya Pradesh

Sugarcane	Summer Moong and Sugarcane			
Grand growth	Early vegetative			

Orissa

Vegetable crops	Rice	Sugarcane	Pulses	Oilseeds
Flowering/fruitletting/harvesting	Grain formation/development	Vegetative	Harvesting	Harvesting
Moong				
Vegetative				

Andhra Pradesh

Rice	Groundnut			
Harvesting	Pod maturity			

Karnataka

Early sown maize, sunflower	Annual sugarcane	Early kharif Crops	Rabi Cotton	Summer rice
Grain formation /development/maturity	Active vegetative / tillering	sowing	End picking	Grain formation/milking

Kerala

rice	Rubber	Coconut	Banana	Pepper
<i>Puncha</i> -Harvesting <i>Virippu</i> - sowing	Planting	Land preparation for new planting	Planting	Land preparation for new planting

Tamil Nadu

Rice (<i>Samba</i>)	Sugarcane (Early, Mid season)	MaizeJowar/Bajra/Samai	Groundnut/Black gram/Green gram/Red gram	Special season sugarcane
Grain development/maturity	Cane development / maturity	Grain formation/development	Pod formation/development	Grand growth
Sorghum				
Sowing				
