



Summary of Agromet Advisory Services for different States of the country
Issued by
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(For the period 9th to 13th November, 2006)

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

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

Punjab

Weather was mainly dry in the State during the period.

Isolated rain/thundershowers are likely over the State.

Advisories

- There was no rain in the State during last week and isolated rain / thundershowers are likely to prevail over the State for the next three days. Under the circumstances, apply required irrigation to **sugarcane, gram, lentil and wheat** to bring the soil moisture to its field capacity.
- This is proper time for sowing of **wheat, lentil, gram** and **rabi oil seeds**. Use the certified seeds of recommended varieties i.e. WH-542, 147, 157, 711, C-306 (**Barani** Conditions) and PBW-343, WH-711, WH-423, Sonak, PBW-373 (Irrigated conditions) for wheat. Select **desi** and **kabuli** varieties for gram.
- Apply recommended dose of fertilizer at sowing time. Destroy the **canes** affected by **stem borer & gurdaspur borer** and to control **pyrilla** or **whitefly** spray 600-800 ml Malathion in 800 ml of water per acre.

Haryana

Weather was mainly dry in the State during the period.

Isolated rain/thundershowers are likely over north Haryana & Chandigarh on 10th & 11th November. Mainly dry weather is likely over the rest region.

Advisories

- There was no rain in the State during last week. Isolated rain / thundershowers are likely over north Haryana and Chandigarh on 10th & 11th November and mainly dry weather is likely over the rest region for the next three days. Under the circumstances, apply required irrigation to **sugarcane, gram, lentil and wheat** to bring the soil moisture to its field capacity.
- This is proper time for sowing **wheat, gram, lentil** and **rabi oil seeds**. Use the certified seeds of recommended varieties i.e. WH-542, 147, 157, 711, C-306 (**Barani** Conditions) and PBW-343, WH-711, WH-423, Sonak, PBW-373 (Irrigated conditions) for wheat. Select **desi** and **kabuli** varieties for gram.

Rajasthan

Weather remained dry in all divisions of the State.

Mainly dry weather is likely over the State. However, North Rajasthan is likely to experience isolated rain/thundershowers during 10th & 11th November.

Advisories

- Continue harvesting of matured crops of **cotton**.
- This is proper time for sowing **barley, mustard, gram, cumin** and **wheat**. Continue land preparation and sowing. Undertake seed treatment before sowing.

- Apply presowing irrigation before sowing of wheat.

Uttar Pradesh

Weather was mainly dry in all divisions of the State from 6th to 8th November.

Mainly dry weather is likely over West U.P. and isolated rain/thundershowers over East U.P.

Advisories

- There was no rainfall in the State except Bahraich, Fatehpur, Kanpur City, Lucknow, Pratapgarh, Varanasi and Hamirpur districts during last week and isolated rain/thundershowers are likely over East Uttar Pradesh and weather is likely to dry in West U.P. for the next three days. Under the circumstances, apply irrigation to bring the soil moisture to its field capacity in *rabioilseed* and *winter vegetable* crops. Postpone irrigation in the above mentioned districts.
- Continue weeding and hoeing along with top dressing of nitrogen in winter vegetables and *rabioilseeds*.
- Sowing of *rabiwheat*, *barley* and *fodder crops* may be continued.
- Complete sowing of *rabipulses* and *oilseed mustard* and *rai*.
- Transplanting of winter vegetables *cauliflower*, *brinjal*, *chilli* and *tomato* may be continued.
- Harvesting of matured *rice*, *sugarcane*, *pulses*, *groundnut* and *kharif vegetables* may be continued.

Himachal Pradesh

The weather was dry during the week in the State.

Rain/snow is likely at a few places over the State.

Advisories

- As there was no rain during last two weeks, apply irrigation to vegetable crops.
- Continue land preparation on a non-rainy day and sowing of *Arclepeas* in the high hills, transplanting of *cauliflower* and *cabbage* and sowing of *wheat*, *gram*, *barley*, *radish*, *turnip* and *carrot*.
- Select varieties from VL 616, HS 277, PBW-343 for early sown, HPW-89, HS-240, HPW-147, HPW-184 for timely sown and HPW-42, HS-295 for late sown *wheat*, Himachal Chana-1; C-235; HPG-17 for *gram* and Vimal (HBL-113) Dolma; Sonu (HBL-87); Gopi (HBL-316); Harit (HBL-276) for *barley*.

Uttaranchal

Light rain was recorded at isolated places on 1st November, while weather remained mainly dry during rest of the week. Sky remained mainly clear to partly cloudy during the period.

Rain/snow is likely at a few places over the State.

Advisories

- Light rain was recorded at isolated places, while weather remained mainly dry during last week. Rain/snow are likely to occur at a few places over the State. Under the circumstances, apply irrigation to *mango*, *litchi*, *sugarcane* crops depending on soil profile stored moisture.
- Carry out inter-cultural operation, application of fertilizer and plant protection measures to *mango*, *toria*, *pea*, *potato* and *sugarcane* crops on a non-rainy day.
- Continue sowing of *wheat*.
- Continue harvesting of matured *rice* and *finger millet* crop.

Jammu & Kashmir

Weather remained mainly dry over the state.

Rain/snow is likely at a few places over Jammu & Kashmir.

Advisories

- Continue sowing of *carrot*, *beetroot* and *turnip* for seed crop in Jammu division and sowing of crops like

Methi, Palak, Coriander, raddish etc.inKashmirdivision.Startnurserysowingfor onion.

- Continuesowingof brown sarson(Kashmirdivision), gram(Jammudivision), mustard,pea, lent il, toria and wheat to utilize residual moisture. Before sowing, undertake ploughing followed by planking to conserve moisture.
- Prevailing weather conditions may be favourable for the infestation of flea beetle in toria crop. Monitor the crop and if damage exceeds ETL, spray the crop with Carbaryl 50WP @ 2gm/litre or Malathion @ 0.05% on a non-rainy day.

Delhi

Weather remained dry.

Mainly dry weather is likely over the State.

Advisories

- As there was no significant rainfall during last few weeks and mainly dry weather is likely over the State for next three days, apply irrigation to early sown vegetable crops, mustard and toria to bring the soil moisture to its field capacity.
- Prepare land and continue transplanting of 4–6 weeks old varieties of cauliflower and cabbage plants.
- Prepare land and perform sowing of Japanese White and Reshmi varieties of raddish, Pusa kanchan, Golden Ball and Pusa Chandram varieties of turnip and Bonabill variety of peas and nursery sowing of N53 and Pusa Red varieties of onion. Treat the seeds with Captan or Thairam or Dithane M-45 @ 2g/kg seeds.
- Prepare land and continue sowing of wheat, gram and barley.
- Select varieties from HD-2329, HD-2009, WL-74, HD-3428, CPAN and PBW-215 for wheat, P-209, Pusa-408, Gaurav C-235 and K-851 (Kabuli chana) for gram and Jyoti, BG 25, D-70 and Ratna for barley for sowing.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

Northeast monsoon was active over the State on 7th November & weak on 8th November. Rain / thundershowers occurred at many places on 7th November, at a few places on 6th November and at isolated places on 8th November.

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

Heavy Rain Warning: Isolated heavy rain fall is likely during next 48 hours.

Advisories

- As rain / thunder showers are likely at many places over the State, postpone irrigation to the standing crops. Arrange for drainage facilities in case of excess rainfall.
- Attack of leaf folder, brown planthopper, stem borer, sheath blight and bacterial leaf blight is reported in mundakkam rice. Spray 0.05% Monocrotophos or Quinalphos after current spells of rain to control the pests.
- Attack of poll beetle and quick wilt is reported in pepper. Spray Ekalux @ 2ml in one litre of water to control beetle. Spray and drench with 1% Bordeaux mixture to control wilt. Undertake these plant protection measures after current spells of rain.
- Pink disease is reported in rubber. Apply 1% Bordeaux paste after current spells of rain to control the disease.
- Attack of bunchy top, leaf spot and pseudo stem weevil is reported in banana. Eradicate bunchy top affected plants to reduce the spread of the disease. Apply Phorate @ 25g/pit before planting new crop to prevent further spread of the disease. Fill the leaf axils with Chloropyrifos @ 2.5ml/litre of water to control pseudo stem weevil and spray Bordeaux mixture @ 1% to control leaf spot disease. Undertake

these plant protection measures after current spells of rain.

- Attack of **Leaf eating caterpillar, mite, red palm weevil** insects **leafrot** and **budrot** disease is reported in coconut. Use Pheromone trap for controlling **red palm weevil** and remove the rotten parts from spear and two adjacent leaves of the affected palm and pour Contaf 5 EC @ 2 ml or Mancozeb @ 3 g in 300 ml water for controlling **leafrot** after current spells of rain. Spray 1% Bordeaux mixture on spindle leaves and crown after current spells of rain. Spray Dichlorvos @ 1 ml per lit of water or use Mercaptothion followed by release of pupal and larval parasites available from bio-control lab, 21 days after spraying.
- Weeding, intercultural operations, application of fertilizers and new planting may be continued after current spells of rain.

Tamilnadu

Northeast monsoon has been vigorous over South Tamilnadu and active over North Tamilnadu on 7th November. Rainfall occurred at most places over South Tamilnadu, at many places over North Tamilnadu on 7th November and at a few places over the State on 6th November and 8th November.

Rain/thunder showers are likely at many places over the State.

Warning: Isolated heavy rainfall is likely during next 48 hours.

Advisories

- As rain/thunder showers are likely at many places with isolated heavy rainfall over the State, postpone irrigation to **early/mid sugarcane**. Arrange for drainage facilities in case of excess rainfall.
- Continue nursery sowing/transplanting of **sambhar rice** after current spells of rain.
- Continue intercultural operations, application of fertilizers and pesticides after current spells of rain.
- Monitor **sugarcane** for **internode borer**. Release *Trichogramma chilonis* parasite @ 5 cc/ha after current spells of rain to control the pest. Repeat after 15 days.
- Continue land preparation and sowing of **millet, cotton, pulses** and **groundnut and sunflower** after current spells of rain.

Karnataka

Rainfall occurred at many places on 6th & 7th November and at isolated places on 8th November over Coastal Karnataka. Over North Interior Karnataka, rainfall occurred at a few places on 8th November and at isolated places on the remaining days. Over South Interior Karnataka, rainfall occurred at many places on 7th November; at a few places on 6th and at isolated places on 8th November.

Rain/thunder showers are likely at a few places over coastal Karnataka and south Interior Karnataka and at isolated places over north Interior Karnataka.

Advisories

- Conserve moisture in the field wherever the crops are at maturity stage.
- Harvest the matured **kharif** crop on bright sunny days.
- Continue land preparation and sowing of **rabijowar, wheat and maize**.

Andhra Pradesh

North west monsoon has been vigorous over South Coastal Andhra Pradesh on 3rd November and over Rayalaseema on 2nd & 3rd November and active over South Coastal Andhra Pradesh on 2nd November and over Rayalaseema on 4th November. Rain occurred at many places over Telangana on 3rd November and at a few places over Coastal Andhra Pradesh on 4th and 8th November, over North Coastal Andhra Pradesh on 2nd November and 3rd November. Isolated rain occurred elsewhere over the State during the week.

Rain or thunder showers are likely to occur at many places over coastal Andhra Pradesh and at a few places over Rayalaseema and Telangana.

Warning: Isolated heavy rainfall is likely over coastal Andhra Pradesh during next 48 hours.

Advisories

- There was excess rainfall in the State during last week and rain/thundershowers likely to occur at many places over coastal Andhra Pradesh and at a few places over Rayalaseema and Telangana. Under the circumstances, postpone irrigation to **groundnut, rice, chilly** and **tur**. Also provide adequate drainage facilities in case of heavy rainfall.
- Continue harvesting of matured **maize** and **chillies** on bright sunny days.
- Attack of **brown plant hopper** is reported in **rice**. Spray Ethiphenfos @ 1.5 ml/liter of water or Imidoclopid 0.25ml or Monocrotophos 2.2ml or Acephate 1.5gm/litre of water on a non rainy day in Rayalaseema and Telangana to control the pest. Postpone the same in coastal Andhra Pradesh. Avoid spraying wherever the crops are at maturity stage.

Eastern Region (Assam, Bihar, Sikkim, West Bengal)

Assam

Light to moderate rain occurred at isolated places on 8th November, light rain occurred at isolated places on 9th November, and dry weather prevailed on 6th November over the State.

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

Advisories

- As there was no rainfall during last week and rain/thundershowers are likely at a few places over the State for the next three days, apply irrigation to **arhar, black gram, green gram, rapeseed** and **mustard** to bring the soil moisture to its field capacity.
- Maintain 5–7 cm water level in **Sali rice** field wherever crops are at grain formation stage. Drain out standing water 10-15 days before harvesting.
- Mild incidence of **Pod and apion borer** in **arhar**, **aphids**, **jassids**, **flea beetle** and **leaf spot** in **black gram** and **green gram** is reported.
- Monitor **Pod and apion borer** in **arhar** and if crosses economic threshold level, spray Malathion 50EC @ 1.5ml per litre of water or Fenitrothion 50E.C. @ 2ml per litre of water.
- Monitor **Aphids**, **Jassids**, **Flea beetles** in **black gram** and **green gram** and if crosses economic threshold level, spray Malathion 50EC @ 2ml per litre of water. For **leaf spot**, as soon as diseases appear, spray Blitox or Fitolan @ 1.5 gram per litre of water at an interval of 7 to 10 days. Alternatively Bavistin @ 1 gram per litre of water should be applied at an interval of 12 to 15 days.
- Apply plant protection measures to **sali rice** when one adult of rice hispa per hill or one leaf is found damaged by hispa. Apply Monocrotophos 40EC @ 1.5ml per litre of water or Chloropyriphos 20EC @ 2ml per litre of water to control the insect. If attack of **stem borer** is noticed apply Monocrotophos 40EC @ 1.5ml per litre of water.
- Apply plant protection measures on a non-rainy day.
- Continue land preparation on a non-rainy day and sowing of **winter vegetables, rapeseed, mustard, potato, wheat, pea** and **lentil**.

West Bengal

Very light rain occurred at isolated places on 6th November over the districts of Sub Himalyan West Bengal. Weather remained mainly dry elsewhere during the rest period.

Rain/thundershowers are likely at many places over Coastal areas & at a few places over rest area of the state.

Advisories

- As rain/thundershowers are likely at many places over coastal areas of the State, postpone irrigation in the districts of coastal areas.
- As there was no significant rain fall in the State during last week and rain/thundershowers are likely at

few places over remaining areas of the State for the next three days, apply irrigation to **sugarcane** to bring the soil moisture to its field capacity.

- Conserves soil moisture during maturity stage of the **groundnut** crop.
- Maintain 5–7 cm water in **aman rice** field wherever crops are at grain formation stage. Drain out water from the field 10–15 days before harvesting.
- Continue harvesting of matured crops of **aman rice** and **groundnut** on bright sunny days.
- Land should be prepared on a non-rainy day and sowing of **boro rice, gram, lentil, wheat, rapeseed** and **mustard** may be done.
- Select varieties from CR-126-42-1, Khitish, IE-2233, PNR 381, IR-36, Lalat, Annada, Aditya, Tulsi etc. for short duration and Shasyasri, Prakash, Kunti, Ajaya, Pratap, Suraksha etc. for medium duration **boro rice** and Mahamaya 1 & 2, Anuradha (39-2) etc. for gram.

Bihar

Very light rain had occurred at isolated places which were not measurable.

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

Advisories

- There was no significant rain fall during last week and rain/thundershowers are likely to occur at a few places over the State for next three days. Under the circumstances, apply required irrigation to bring the soil moisture to field capacity in **vegetables**.
- Continue transplanting of early **cauliflower, chillies, brinjal** from ready seedlings and sow winter vegetables.
- Harvest the matured **rice** crop on bright sunny days.
- Continue field preparation and sowing of **rabi maize, pulses, oilseeds, wheat** and **potato** with available residual moisture.
- Weeding/thinning operation may be done on a non-rainy day in early sown **rabi maize, pulses/oilseed** crops.

Jharkhand

Weather remained mainly dry.

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

Advisories

- Weather was mainly dry during last week and rain/thundershowers are likely to occur at a few places over the State for next three days. Under the circumstances, apply required irrigation to bring the soil moisture to field capacity in **vegetables**.
- Maintain 5-7 cm of standing water in the **rice** field where the crop is at **grain formation** stage.
- Continue field preparation, sowing/transplanting of **onion, tomato, cabbage, cauliflower, brinjal, chilli, potato** and **pea**.
- Sowing of **rabi pulses, oilseeds, maize, potato** and **wheat** may be done.
- Weeding, intercultural operation, application of fertilizer may be done in a non-rainy day in early planted **vegetable** crops.

Sikkim

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

Advisories

- There was no significant rain fall during last week and rain/thundershowers are likely to occur at a few

places over the state. Under the circumstance, apply required irrigation to vegetables to bring the soil moisture to its field capacity.

- Continue harvesting of large cardamom, orange and rice.
- Continue sowing of wheat, mustard and transplanting of rabbi vegetables.

Arunachal Pradesh

Sky remained partly cloudy to mainly clear over the State.

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

Advisories

- There was no rain fall during last week and isolated rain/thundershower are likely at a few places over the State for the next three days. Under these conditions, apply irrigation to bring the soil moisture to field capacity to new crops of ginger and winter vegetables.
- Field preparation on a non-rainy day and sowing of potato, wheat and mustard may be continued.
- Intercultural operation may be done as and when required in early sown mustard, ginger and winter vegetables on a non-rainy day.
- First top dressing in early sown potato (33 Kg Urea/ha.) followed by earthing up and spraying with 1.25 kg Dithane M-45 in 500 lit. water may be done on a non-rainy day.

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

Gujarat

Rain fall occurred at isolated places over South Gujarat region on 6th & 8th November.

Weather will be mainly dry over the State.

Advisories

- As there was no significant rain in the State during last few weeks and mainly dry weather is likely over the State for next three days, apply irrigation to sugarcane, pre-monsoon irrigated cotton, Kharif cotton, castor and mustard to bring the soil moisture to field capacity.
- Continue harvesting of kharif rice and kharif groundnut.
- For monitoring & management the bollworms & heliothis of cotton hang 5 pheromone traps in one ha. Change the lures at an interval of 15 days. Destroy trapped moths every day. If boll worm population crosses economic threshold level, release parasite tricogramma @ 1.5 lakhs / ha 5 to 6 times as per requirement depending upon infestation found in field.
- If whitefly population crosses economic threshold level in cotton, spray Neemoil @ 4 liter/ha.
- Prepare land and continue sowing of wheat crop. Select varieties from Lok-1, GW-496 (125-130 kg seeds/ha), GW-190 (100 kg seeds/ha), GW-503, 273, 322 (125 kg seeds/ha), Raj-1555 (duram) (150 kg seeds/ha), Lok-1, Gw-173 (150 kg seeds/ha) for irrigated wheat and GW-1, A-206 (50-60 kg seeds/ha) for non-irrigated wheat for sowing. Apply basal fertilizer dose 60 kg Nitrogen, 60 kg phosphorus/ha for irrigated wheat and 20 kg Nitrogen for unirrigated wheat in furrow at the time of sowing.

Chhattisgarh

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

Advisories

- As there was no significant rain fall in Bilaspur, Durg, Kowardna and Raipur districts during last week and rain/thundershowers are likely at a few places over the State for next three days, apply irrigation to sugarcane and vegetables.
- As there was excess rain fall in remaining districts during last week, postpone irrigation to the crops in these districts.

- Maintain 5–7 cm water in **rice** field wherever crops are at grain formation stage.
- Continue preparation of land on a non-rainy day and sowing of **gram, linseed, safflower, mustard** and **toria**.
- Seeds of **gram** may be treated with 2 to 2.5 gm Thiram/Captan/kg seeds & 250 g **mRhizobium+PSB/10 kg seeds** before sowing.

Maharashtra

Rain has occurred at most places in Madhya Maharashtra, at a few places in Konkan, at isolated places in Marathwada. Mainly dry weather prevailed over Vidarbha.

Isolated rain/thundershowers are likely over Marathwada, south Madhya Maharashtra, south Konkan & Goa and Vidarbha. Mainly dry weather is likely over the rest region.

Advisories

- As there was no significant rain during last week in Ahmednagar, Jalgaon, Aurangabad, Latur, Nanded, Parbhani, Akola, Amraoti, Chandrapur and Gondia districts of the State and isolated rain / thundershowers are likely over Marathwada, south Madhya Maharashtra and Vidarbha and mainly dry weather is likely over the rest region, apply irrigation to **Sugarcane, kharif cotton, tur** and **Cotton (irrigated)** crops in these districts.
- As remaining districts received excess rain during last week, postpone irrigation in these districts.
- Mild incidence of **White Woolly Aphids** in Aurangabad, Latur, Kolhapur and Pune and **Pyrilla, Whitefly** and **Mealybug** in Nashik in sugarcane, **Rice hispa** in Kolhapur, Pune, Nagpur division and **Nasik** district & **Midge fly** in Nagpur division in **Kharif rice**, **panicle worm** in Latur division in jowar, **Aphids** and **Jassids** in Aurangabad Latur and Vidarbha div, **Sapsucking insects** in Aurangabad and Latur div. and **Boll worm** in Latur div. in irrigated cotton and **Aphids** and **Jassids** in Aurangabad and Vidarbha division in **kharif cotton** and **leafroller** in Aurangabad and Latur division in tur is reported.
- Monitor **White Woolly Aphids** in **sugarcane** and if crosses economic threshold level, release 2500 eggs or larvae of *Krisoperla Karnea* or *Konobatra Aphidivora* parasite on the leaves or spray Endosulphan @ 500 ml plus Metasitox 1000 ml and 500 ml sticker or 1 kg detergent powder mixed in 500 liter water/ha.
- Monitor infested plants by **Hispa** in **rice** & if exceed economic threshold level, spray Copper oxychloride 50% @ 1250 gm or Zyneb 75% @ 1000 gm in 500 liter water.
- Monitor infested plants by **Midge fly** in **rice** & if exceeds economic threshold level, 10 % granular Phorate/hamayb mixed in the soil.
- Monitor aphids and jassids population in **cotton** and if crosses economic threshold level, spray methyl dimeton 25EC @ 320 ml or dimethoate 30EC @ 500 ml/hain 500 liter water.
- Monitor **Boll worm** in **cotton** and if exceed economic threshold level, spray 36% Monocrotophos WSC or 35% Endosulphan WSC @ 850 ml/hain 500 liter water.
- Monitor **leafroller** population in **tur** and if crosses economic threshold level, spray 1000 ml endosulphan/hain 500 liter water.
- Continue field preparation and sowing of **safflower, wheat, gram, rabi maize, sunflower** and planting of **sugarcane (Pre-seasonal)** and **potato**.
- Select varieties like HD 2189, 2278, 2380, DWR 162, MACS 2496, Tryambak, Godawari for **irrigated wheat**, Vikas, Fule-G 12 (70 kg seeds), Vishwas, Vijay (85 kg seeds) & Virat (100 kg seeds)/ha for **gram**, CO-740, CO-7219, CO-86032, CO-M-88121 for **sugarcane (Pre-seasonal)** and Kufari-Sinduri, Kufari-Lavkar, Kufari-Chandramukhi for **potato**.
- Postpone planting of **potato** in Sangli, Solapur and Kolhapur districts.

Madhya Pradesh

Rainfall occurred at isolated places in West M.P. on 8th November and dry weather prevailed over the rest of

the State on remaining period.

Mainly dry weather is likely over the State.

Advisories

- Conserve moisture in **tur** as the crop is now at maturity stage.
- Undertake land preparation and sowing of **rabi** crops like **wheat, gram, mustard**.
- Before sowing, undertake seed treatment with Carbendazim @ 1.5 g **rams** and Thiram @ 1.5 grams or *Trichoderma viridi* @ 5 grams for 1 kg of seed.

Orissa

Rainfall occurred at a few places over the State on 8th November and at isolated places during the remaining days.

Rain/thunder showers are likely at many places over coastal **areas** of the State and at a few places over the rest region.

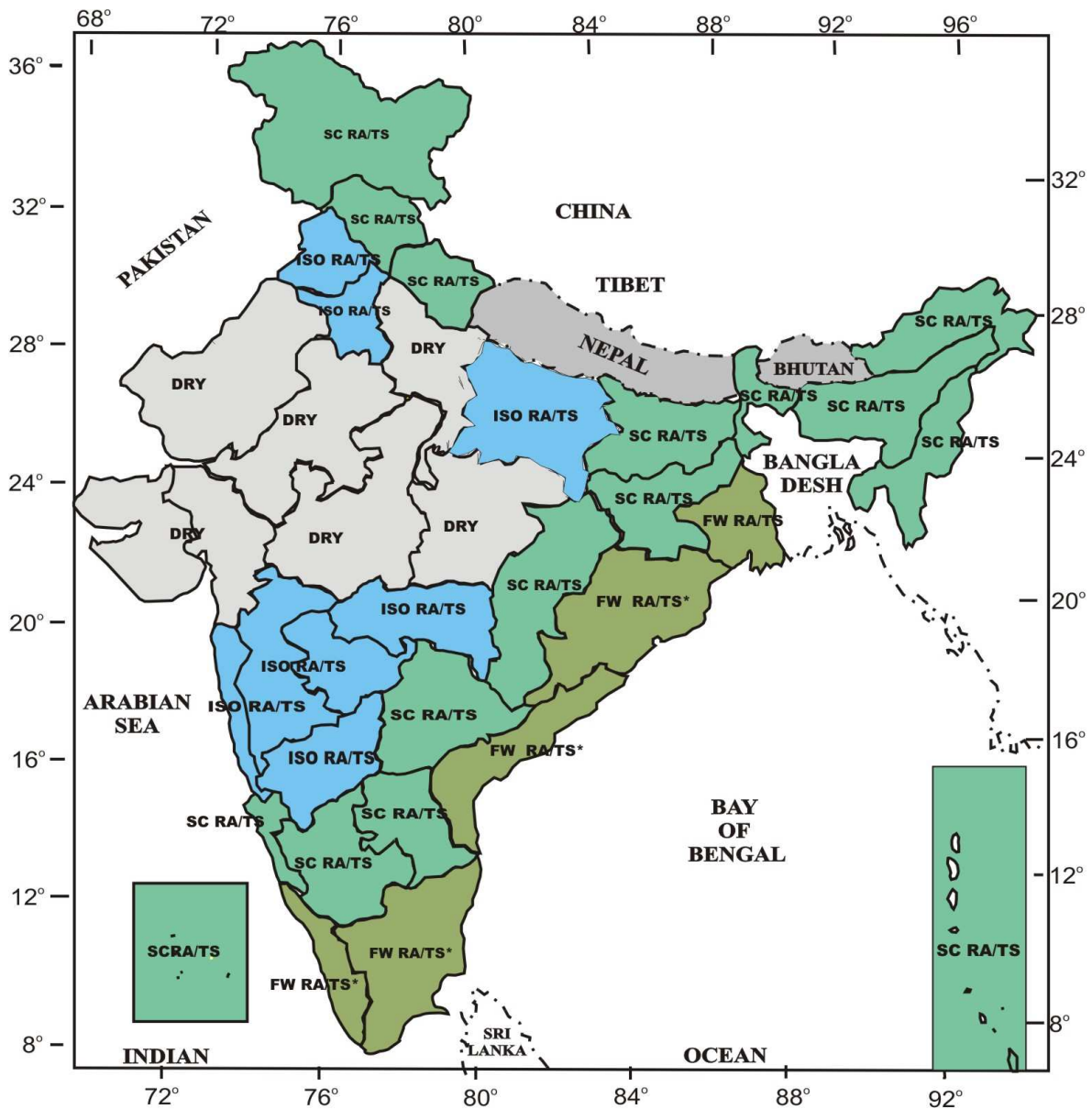
Heavy Rainfall Warning: Isolated heavy rainfall is likely over coastal Orissa during next 48 hours.

Advisories

- Rainfall occurred at a few places over the State during last week. **k.** Rain/thunder showers are likely at many places with isolated heavy rainfall over coastal areas of the State and at a few places over the rest region for next 3 days.
- Under the circumstances, postpone irrigation to the crops in coastal **areas** and apply irrigation in remaining areas.
- Also postpone inter-cultural operation, application of fertilizer and **pl** **ant** protection measures to crops in coastal areas and perform the same in remaining areas.
- Continue transplanting of **vegetables**. Postpone the same in coastal areas.
- Field preparation and sowing of **rabi** **groundnut, mung, kulthi, field pea and mustard** may be done. Postpone the same in coastal areas.
- Harvest the matured **rice** crop on bright sunny days.
- There are reports of **arhar** crop infested by **blister beetle in Pulses/oilseeds** . Collect the adults and kill them by kerosine water or detergent solution.

Forecast Map

Valid upto 12th November



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

Salient weather features for the week ending 08/11/06

METEOROLOGICAL ANALYSIS

- Easterly waves affected the peninsular region during the entire week. It also affected adjoining areas of west and central India and coastal Orissa during second half of the week.
- An upper air trough in westerly at 500hPa level persisted to the north of 15°N slowly moving eastwards from 70°E to 80°E during the week.
- The western disturbance as an upper air system affected western Himalayan region during second half of the week.

RAINFALL

Under the influence of the above systems:

- Fairly widespread rainfall occurred over Tamil Nadu & Pondicherry during many days and over Kerala, Coastal & South Interior Karnataka and Coastal Andhra Pradesh during a few days of the week. Scattered/isolated rainfall activity also occurred over remaining parts of south peninsula during many days of the week.
- Rain / thundershowers occurred at a few places over coastal Orissa, Konkan & Goa and Madhya Maharashtra during second half of the week. Isolated rain / thundershowers also occurred over central India Gujarat and northeastern States during this period.
- Isolated rain / snow occurred over western Himalayan region during the second half of the week.
- The weather remained mainly dry over the rest regions during the week.

TEMPERATURES

- The night temperatures were appreciably / markedly above normal over many parts of northwest & central India during the week. They were also above normal over remaining parts of the country except over extreme south Peninsula where they were normal during many days of the week.

RAINFALL DURING THE WEEK ENDING ON 8TH NOVEMBER, 2006

Rainfall was excess/normal in 16 and deficient/scanty in 13 and no rain in 7 out of 36 meteorological sub-divisions (Actual: 13.2mm, Normal: 9.6mm and Departure: +37%).

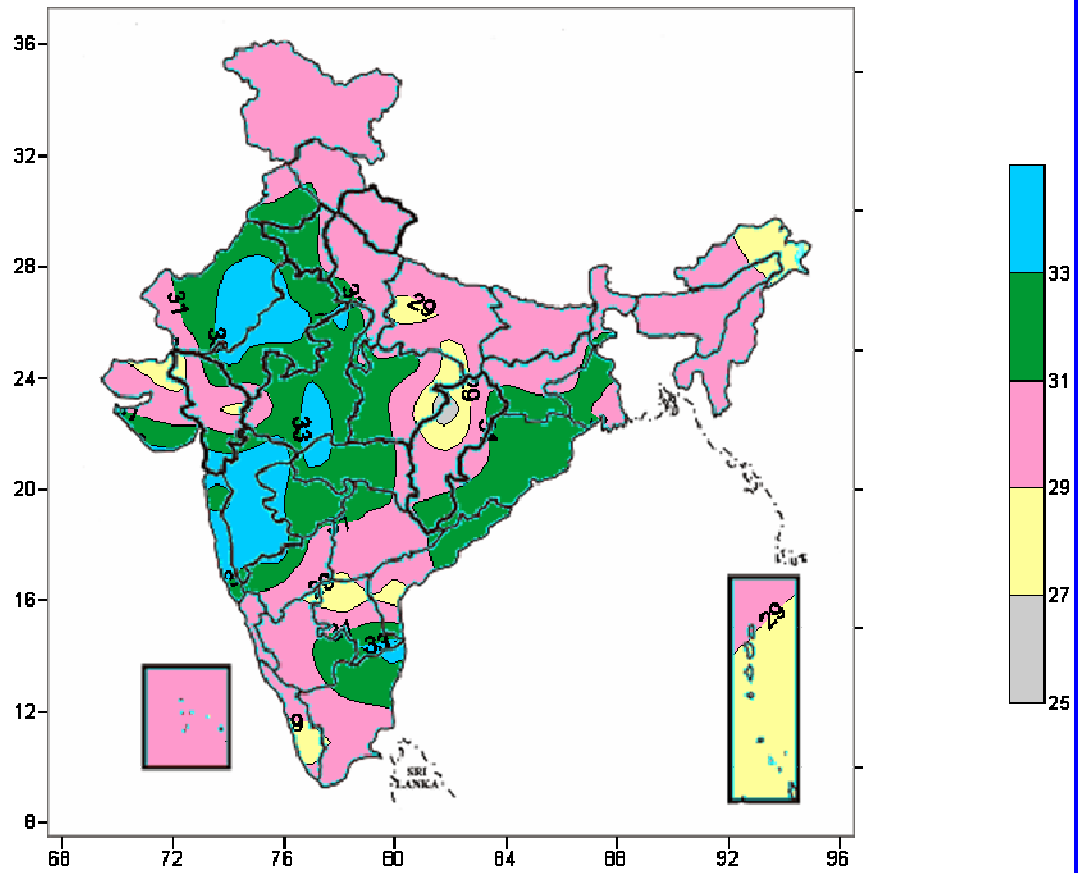
CUMULATIVE SEASONAL RAINFALL (1ST OCTOBER TO 8TH NOVEMBER, 2006)

Rainfall was excess/normal in 12 and deficient/scanty in 24 out of 36 meteorological sub-divisions. (Actual: 67.0mm, Normal: 89.2mm and Departure: -25%).

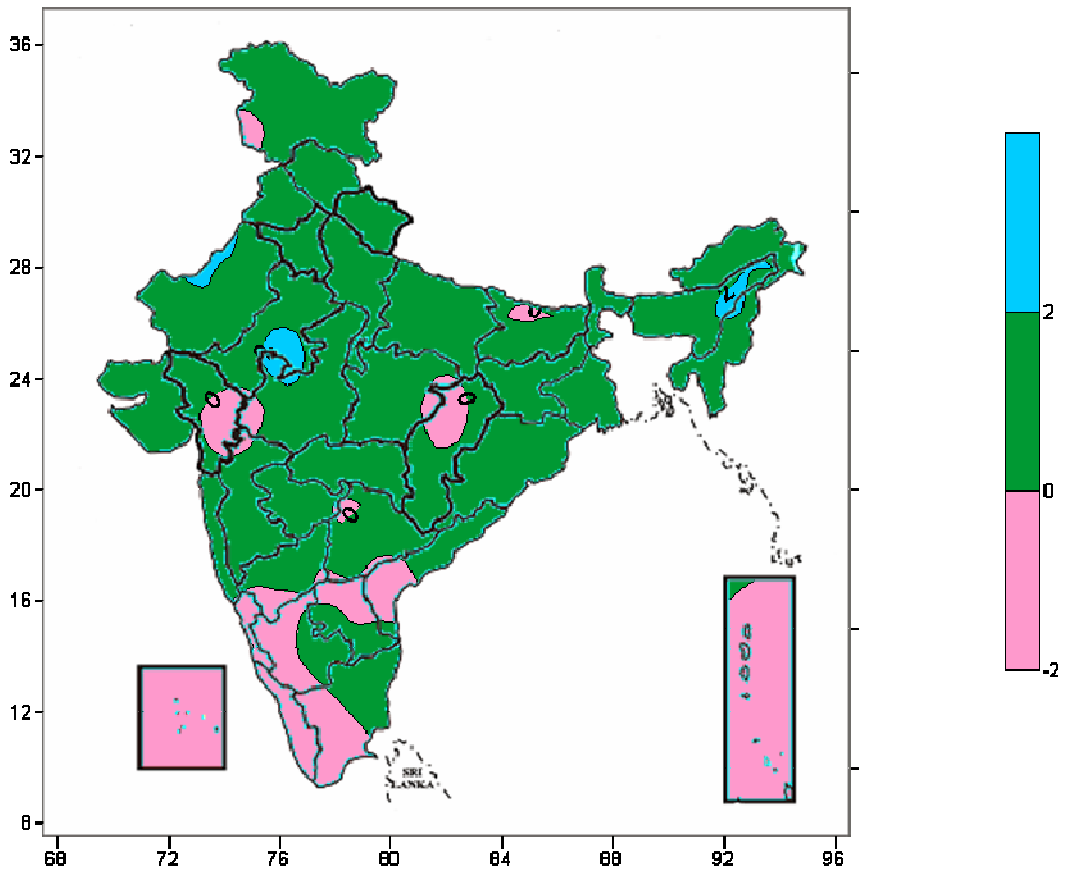
OUTLOOK FOR THE WEEK ENDING ON 15TH NOVEMBER, 2006.

- Under the influence of a western disturbance, scattered rainfall activity likely over western Himalayan region and adjoining plains during first half of the week and decrease thereafter.
- Fall in night temperatures and occurrence of Fog likely over northwest India from middle of the week.
- Under the influence of easterly wave, ongoing enhanced rainfall activity is likely to continue over south Peninsula, east coast and adjoining areas during first half of the week and decrease thereafter.

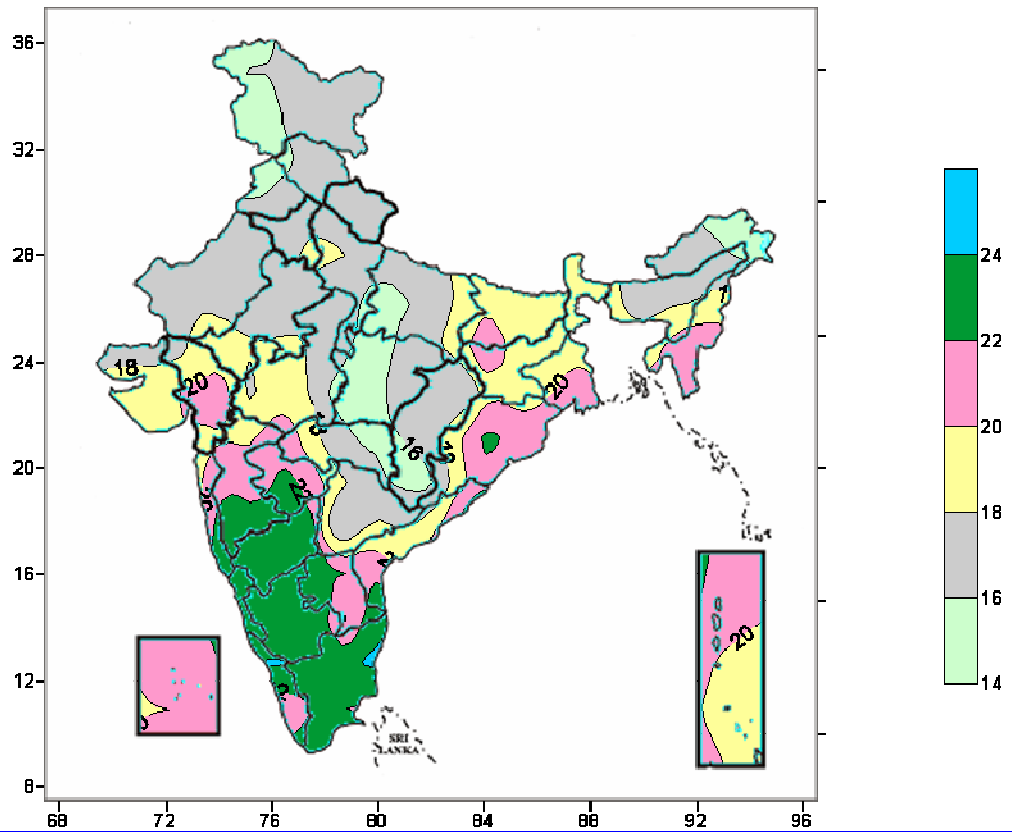
Actual mean maximum Temperature ($^{\circ}\text{C}$) in India for the week ending 08.11.06



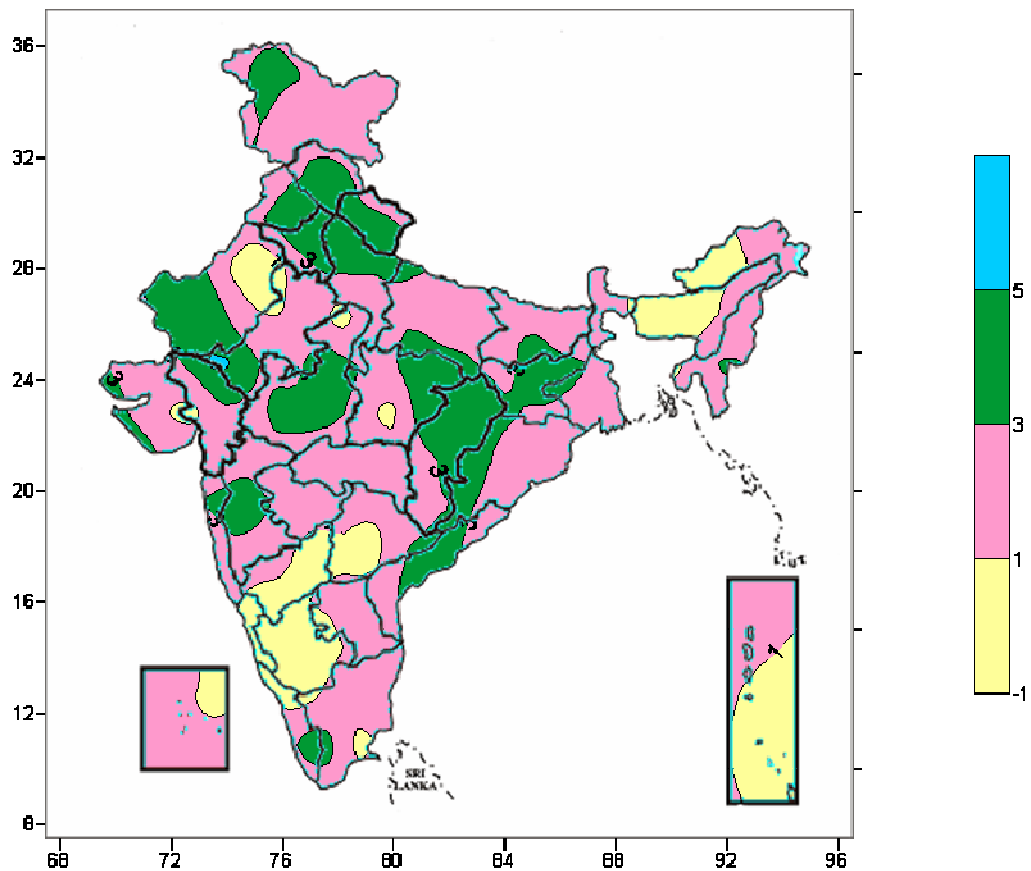
Maximum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 08.11.06



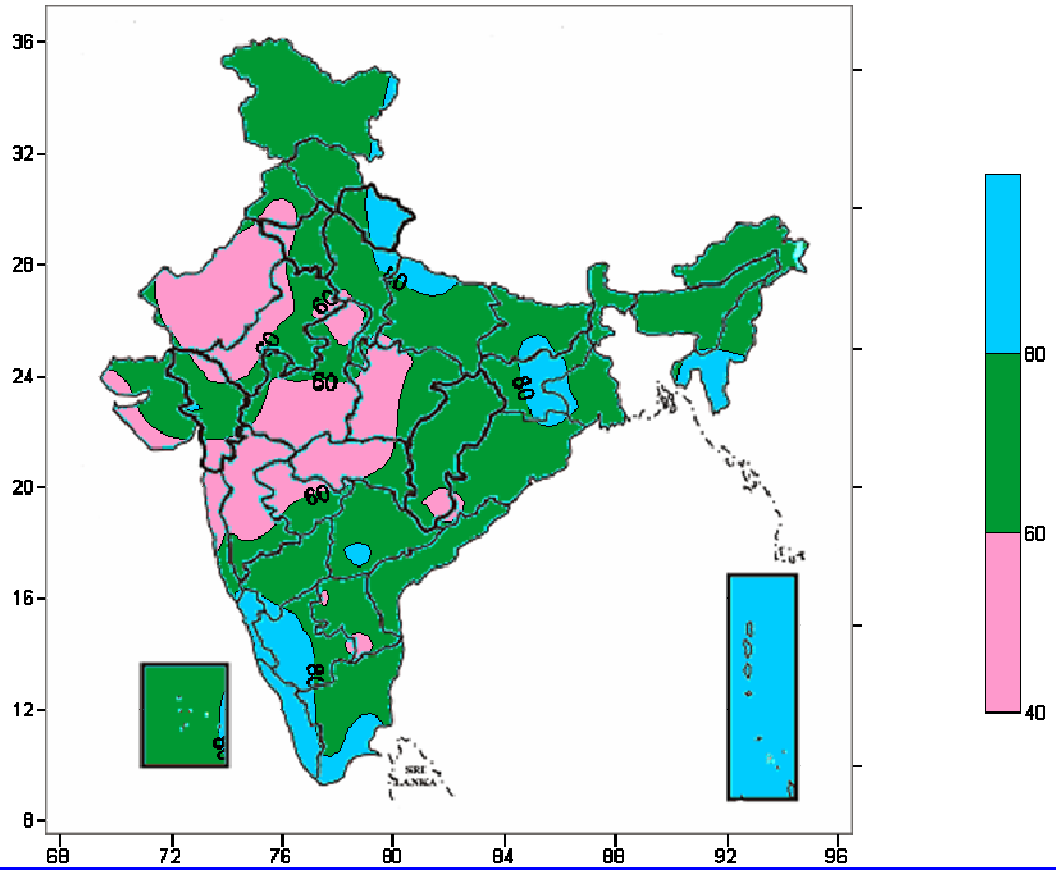
Actual mean Minimum Temperature (°C) in India for the week ending 08.11.06



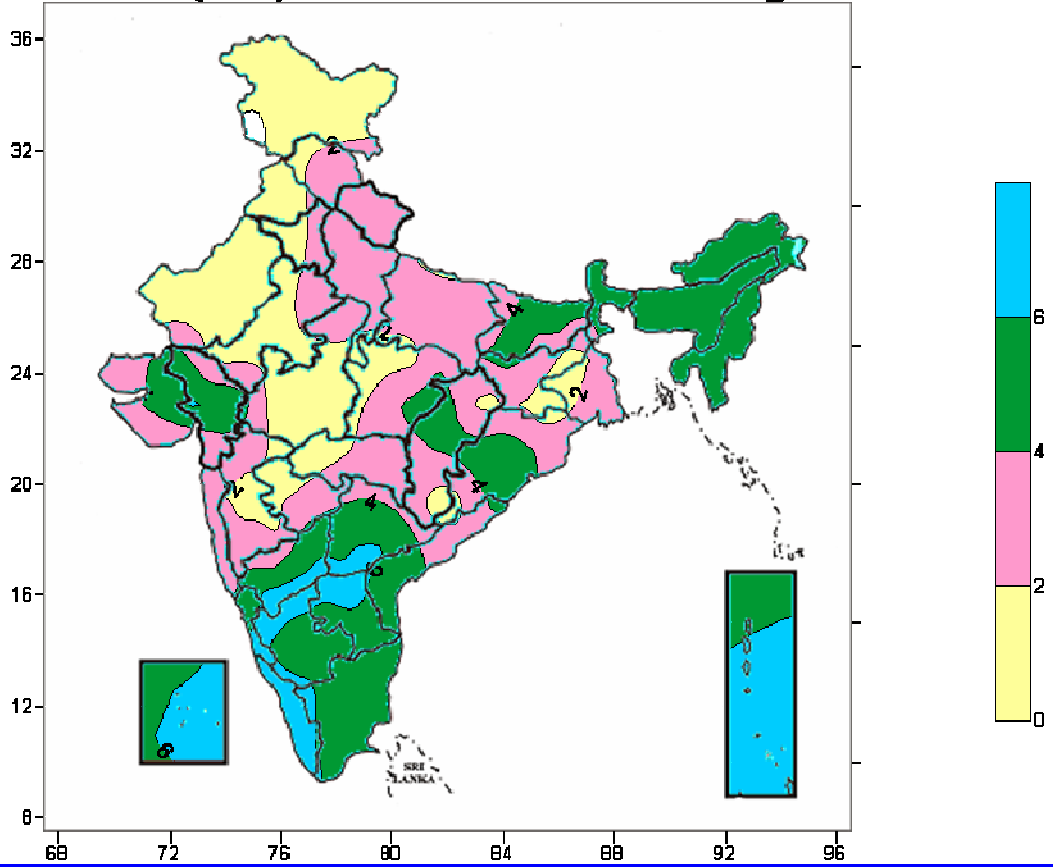
Minimum Temperature (°C) Anomaly in India for the week ending 08.11.06



Relative humidity (%) over India for the week ending 08.11.06



Cloud amount (okta) over India for the week ending 08.11.06



Wind															
Station Name	2.11.06		3.11.06		4.11.06		5.11.06		6.11.06		7.11.06		8.1	1.06	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	
Amritsar	-	-	11	NNW	05	NNW	-	-	04	NE	10	SSE	-	-	
Barmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sriganganagar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jaisalmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kota	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deesa	-	-	03	NNE	10	NNE	-	-	05	WSW	03	SSW	05	NNE	
Churu	-	-	15	NE	05	NE	-	-	15	WNW	08	W	06	WNW	

There is no chance of locust infestation in Rajasthan and the adjoining areas during this week.

CROP-STATE-STAGE

Delhi

Toria	Vegetables (Brinjal, Chilly, Cauliflower and cabbage, raddish, carrot, and turnip)	Early sown vegetable crops	Wheat	Gram
Vegetative	Sowing/Transplanting	Vegetative/flowering/fruiting/harvesting	Sowing	Sowing
Barley	Mustard			
Sowing	Vegetative			

Haryana

Horticultural crop	Sugarcane	Gram/Lentil	Rabioilseeds	Wheat
Sowing/plantation	Vegetative	Sowing/early vegetative	Sowing	Sowing/early vegetative

Himachal Pradesh

Wheat	Gram		Vegetables (Tomato, brinjal, ladiesfinger)	Barley
Land preparation/sowing	Land preparation/sowing		Vegetative/flowering/fruiting/harvesting	Land preparation/sowing
Early sown Wheat	Early sown Gram	Early sown Barley	Summer vegetables Radish, Turnip, Carrot	Summer vegetables (Cauliflower, Cabbage)/Arche peas
Germination	Germination	Germination	Sowing	Preparation of nursery in low hills & Transplanting in high hills/Sowing

Jammu & Kashmir

Winter vegetable crops	Rice	Mustard	Gram/Pea	Wheat
Sowing	Grain maturity	Sowing	Sowing	Sowing
Wheat	Barley	Toria	Brown Sarson	Lentil
Sowing	Sowing	Sowing	Sowing	Sowing

Punjab

Sugarcane	Rabioilseeds	Gram	Horticultural crop	Wheat
Vegetative	Sowing	Sowing/early vegetative	Sowing/plantation	Sowing/early vegetative

Rajasthan

Cotton	Groundnut	Wheat	Gram	Barley
Boll picking	Harvesting	Land preparation/sowing	Land preparation/sowing	Land preparation/sowing

	Mustard	Cumin		
	Landpreparation/ sowing	Landpreparation/sowing		

UttarPradesh

KharifPulses/	Sugarcane	Kharif Vegetables	WinterVegetables	Mustard,Rai
Harvesting	Canematurity/ harvesting	Harvesting	Earlyvegetative	Sowing
Mango	Rabipulses	Kharif rice	Earlysown Mustard&Rai	Kharif Groundnut
Activegrowth	Sowing	Harvesting	Earlyvegetative	Harvesting
Wheat	Barley			
Sowing	Sowing			

Uttaranchal

Rice	Mango/Litchi	Wheat	Sugarcane	Toria
Maturity/harvesting	Activegrowth	Sowing	Grandgrowth	Seedling/early vegetative
	Millet(Ragi)	Pea&Potato		
	Maturity/harvesting	Seedling/earlyvegetative		

Assam

Maize	Sugarcane	Wheat	Vegetables	Balckgramand Greengram
Harvesting	Canematurity/ harvesting	Landpreparation/sowing	Landpreparation/ sowing	Floweringpod formation
Salirice	Arhar	RapeseedandMustard	EarlysownRape seedandMustard	Pea,Lentiland Potato
Grain formation/matur ity/harvesting	Pod formation/maturity	Landpreparation/sowing	Earlyvegetative	Land preparation/sowing

ArunachalPradesh

Mustard	Ginger	Potato	Wheat	Wintervegetables
Land preparation/ sowing	Vegetative	Landpreparation/sowing	Landpreparation/ sowing	Vegetative
Earlysown Potato				
Earlyvegetative				

Bihar

Fruitsand Vegetables	Wintervegetables	Rice	EarlysownMaize	RabiMaize
Vegetative	Sowing/ transplanting	Maturity/harvesting	Germination	Fieldpreparation/ sowing
PulsesandOil seeds	Potato	RabiOilseeds(Toria, Sarson,Linseed)*early sown	RabiPulses(Lentil, Gram,Pea)*early sown	Maize
Seedmaturity	Fieldpreparation/ sowing	Fieldpreparation/ sowing/*Earlyvegetative	Fieldpreparation/ sowing/*Early vegetative	Cob maturity/harvesting
Wheat				
Land preparation/sowi ng				

Jharkhand

Rice	RabiMaize	Wheat	RabiMaize
Graininformation/maturity	Fieldpreparation/sowing	Fieldpreparation/sowing	Fieldpreparation/sowing
Rabivegetables (Tomato,Cabbage, Cauliflower,Brinjal, Chilli)	Earlyplanted kharif vegetables	Rabipulsesandoilseeds	Pea&Onion
Transplanting	Earlyvegetative/ vegetative	Fieldpreparation/sowing	Sowing
Potato			
Fieldpreparation/sowing			

Sikkim				
Orange	Rice	LargeCardamom	Rabivegetables	Wheat
Earlyharvesting	Grain maturity/early harvesting	Harvesting	Early vegetative/vegetative Transplanting–in someareascontd.	Sowing
Mustard				
Sowing				

WestBengal				
Bororice	Sugarcane	Wheat	Maize	Rapeseed,Mustard
Field preparation/sowing	Canedevelopment	Landpreparation/sowing	Fieldpreparation/sowing	Landpreparation/sowing
Groundnut	Lentil	GramandLentil	Amanrice	
Podmaturity/harvesting	Fieldpreparation/sowing	Fieldpreparation/sowing	Grainformation/maturity	

Chattisgarh				
Gram	Vegetables (Tomato,chilli, brinjal)	Sugarcane	Kharif rice	Linseed,Safflower, Mustard,Toria
Field preparation/sowing	Vegetative	Canedevelopment	Grain formation/maturity/harvesting	Field preparation/sowing

Gujarat				
Mustard	Pre-monsoon irrigatedCotton	KharifGroundnut	Wheat	Sugarcane
Vegetative	Bollformation/picking	Harvesting	Land preparation/sowing	Cane development/early maturity
KharifCotton	Castor	KharifRice		
Square/boll formation	Vegetative/flowering	Harvesting		

Maharashtra				
Jowar (Madhya Maharashtra, Marathwada& Vidarbha)	Tur (Madhya Maharashtra, Marathwada& Vidarbha)	Irrigated Cotton	Sugarcane (Seasonal) (Madhya Mahrashtra, Marthwadaand Vidarbha)	Rabi Sunflower (Madhya Maharashtra, Marathwada& Vidarbha)
Grain maturity/harvesting	Flowering/pod formation	Bollformation/boll maturity/picking	Elongation/cane maturity	Germination/early vegetative
Potato (Madhya Maharashtra, Marathwada& Vidarbha)	Kharifcotton (Madhya Maharashtra, Marathwada& Vidarbha)	Rabi Jowar (MadhyaMaharashtra, Marathwada& Vidarbha)	Kharifrice (Konkan)	Kharifrice (Madhya Maharashtra, Marathwada& Vidarbha)
Field preparation/planting	Square formation/Boll formation	Germination/early vegetative	(mediumvarieties) Grain formation/Grain maturity/harvesting/ (latevarieties) Grain formation/grain maturity	Flowering/grain formation (inVidarbha) Grainformation /Grainmaturity (inMadhya Maharashtra, Marathwada)
Gram (Madhya Maharashtra, Marathwada& Vidarbha)	Rabi maize (Madhya Maharashtra, Marathwada& Vidarbha)	Rabi Safflower (MadhyaMaharashtra, Marathwada& Vidarbha)	Sugarcane Preseasonal (Madhya Maharashtra, Marathwada& Vidarbha)	EarlysownWheat (Madhya Maharashtra, Marathwada& Vidarbha)
Field preparation/sowing	Germination/early vegetative	Germination/early vegetative	Field preparation/planting	Germination
Earlysown Gram	Earlysown Sugarcane	EarlysownPotato (MadhyaMaharashtra,	Wheat (Madhya	

(Madhya Maharashtra, Marathwada& Vidarbha)	Preseasonal (Madhya Maharashtra, Marathwada& Vidarbha)	Marathwada& Vidarbha)	Maharashtra, Marathwada& Vidarbha)	
Germination	Sprouting	Sprouting	Fieldpreparation/ sowing/	

MadhyaPradesh

Wheat	Mustard	Kharifcrops	Masoor	Linseed
Sowing	Sowing	Podmaturity	Sowing	Sowing
Gram				
Sowing				

Orissa

Vegetables		Mustard	Rabi Groundnut	Sugarcane
Transplanting		Sowing	Sowing	Vegetative/tillering
KharifRice		Pulses	Oilseeds	Earlysownpulses
Maturity/harvesting		Sowing(Biri/Mung/ Kulthi)	Sowing	Podmaturity

AndhraPradesh

Kharifrice	Kharif crops(Chillies/ Tur)	Maize	Groundnut	Cotton
Graindevelopment	Podformation/ Chillies- fruiting/harvesting	Harvesting	Podformation	Bollmaturity

Karnataka

Groundnut	Sugarcane(Ratoon crop&newcrop)	Kharifcrops (jowar,maize)	Kharifrice	Kharifcotton
Podharvesting	Maturity/early harvesting	Harvesting	Graindevelopment	Bollmaturity/picking
Rabijowar,wheat andmaize				
Sowing				

Kerala

Rubber		Pepper	Mundakanrice	
Tapping		Berrydevelopment /maturity	Transplanting/tillering	

TamilNadu

EarlysownPulses (Blackgramand greengram)	Millets	Cotton	Early&mid sugarcane	Earlysownoilseeds
Vegetative	Sowing	Sowing	Maturity	Vegetative
Rice (Kuruvai)	Rice (Samba)	Pulses(Blachgram andGreengram)	Oilseeds (Groundnut, Sunflower)	EarlysownMillets
Dough	Nursery/ transplanting	Sowing	Sowing	Seedling