



Summary of Agromet Advisory Services for different States of the country

Issued by

Agricultural Meteorology Division, India Meteorological
Department, Pune, India

Thursday, 3rd April, 2008

(For the period 3rd April to 7th April, 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

- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter.

Advisories

- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter. Under these circumstances, postpone 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 after current spells of rain.
- Apply 15 kg Nitrogen/ha in early sown sunflower hybrids after current spells of rain.
- Continue sowing of summer moong and mash.
- Protect the standing crops from hail damage by putting hail nets.

Haryana

- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter.

Advisories

- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter. Under these circumstances, postpone 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 after current spells of rain.
- Apply 15 kg Nitrogen/ha to early sown sunflower hybrids after current spells of rain.
- Continue sowing of summer moong and mash.
- Protect the standing crops from hail damage by putting hail nets.

Rajasthan

- Rain/thundershowers likely at a few places over north Rajasthan and isolated over south Rajasthan.

Advisories

- Continue harvesting of matured crops of wheat, barley gram and potato.

Uttar Pradesh

- Rain/thundershowers likely at many places over West Uttar Pradesh during next 48 hours and at a few places thereafter.
- Rain/thundershowers likely at a few places accompanied with isolated thundersqualls over East Uttar Pradesh.

Advisories

- As rain/thundershowers likely at many places over West Uttar Pradesh during next 48 hours and at a few places thereafter, postpone irrigation to wheat, vegetable and pulse crops. Apply irrigation in East U.P. as weather was mainly dry and rain/thundershowers likely at a few places over East U.P.
- 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.
- Protect the crops from hail damage.

Himachal Pradesh

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

Advisories

- As rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter, postpone 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.
- Spray pesticides after current spells of rain.
- Protect the standing crops from hail damage by putting hail nets.

Uttarakhand

- Rain/thundershowers likely at many places over the state.

Advisories

- As rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter, postpone 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.
- Protect the standing crops from hail damage by putting hail nets.

Jammu & Kashmir

- Rain/thundershowers likely at many places over Jammu & Kashmir.

Advisories

- Weather is congenial for aphid and thrips attack in onion crop in Jammu division, under such situation spray the crop with Endosulphan @ 0.07% or Malathion @ 0.05% if required after current spells of rain.
- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter. Under these circumstances, postpone irrigation to the standing crops.
- Continue sowing of vegetables and transplanting of tomato, brinjal and chilies.
- Preparation of seed beds for early raising of vegetable seedlings such as capsicum, chilies, brinjal, paprika etc. and filling of polybags for sowing of cucurbits under polyhouse 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, phalsa, 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 after current spells of rain.
- Protect the standing crops from hail damage in Jammu division.

Delhi

- Very light rain occurred at many places on 1/4/2008. Weather remained mainly dry on rest of the days.
- Rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter.

Advisories

- As rain/thundershowers likely at many places over the state during next 48 hours and at a few places thereafter, postpone irrigation to vegetables 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 after current spells of rain.
- Continue harvesting of already matured crops of mustard and gram after current spells of rain.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

- Rain / thundershowers occurred at isolated places in Kerala during this period.
- Rain/thundershowers likely at a few places over the State.

Advisories

- As there was no sufficient rainfall in most of the districts over the State during last week and rain/thundershowers likely at a few places over the State, apply irrigation to plantation crops viz., coconut, arecanut, rubber and banana.
- Attack of stem bleeding 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.
- Attack of pseudo stem weevil, banana rhizome weevil, sigatoka leaf spot 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.

- Continue harvesting matured pancha rice on bright sunny days.
- Continue land preparation and nursery preparation of pepper.
- To protect young trees of arecanut and rubber from sun scorching basal portion of the trunk may be painted with lime.
- Continue application of fertilisers, pesticides and intercultural operations on a non rainy day.

Tamilnadu

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

Advisories

- Apply light irrigation to groundnut, sugarcane and pulse crops as rain occurred during last week and rain/thundershowers likely at a few places over the State. Postpone irrigation as there was sufficient rainfall in Krishnagiri, Namaakal and Salem districts 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, application of fertilisers and spraying in the standing crops on a non rainy day.

Karnataka

- Mainly dry weather likely over the state.

Advisories

- As there was no sufficient rainfall in the State during last week and mainly dry weather 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 rabi sunflower, cotton, sunflower and maize crops.
- Drainout excess water from summer maize fields.

Andhra Pradesh

- Isolated rain/thundershowers likely over Coastal Andhra Pradesh. Mainly dry weather likely over the rest region.

Advisories

- As there was no sufficient rainfall during last week 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 and blast is noticed. 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

- Light to moderate rain occurred at most places on 31st March & 2nd April and at many places on 1st April with isolated rather heavy falls on 31st March and 1st April over the state.
- Rain/thundershowers likely at a few places 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 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

- Light rain occurred at many places on 02-04-08 and weather mainly dry on rest of the days.
- Isolated rain/thundershowers likely over the State.

Advisories

- As there was no significant rainfall during last week and isolated rain/thundershowers likely over the State for the next three days, apply irrigation to vegetables, arhar, wheat, gram, fodder maize and sugarcane.
- Harvest the matured crops of wheat as early as possible to avoid shattering of grain.
- Complete sowing of summer vegetables and moong.

Jharkhand

- Weather remained mainly dry.
- Isolated rain/thundershowers likely over the State.

Advisories

- Apply irrigation to the vegetables as mainly dry weather prevailed during last week and no significant rain is likely over the State for the next three days.
- Prepare field and undertake sowing of summer vegetables.
- Harvest the matured crops of wheat.

Sikkim

- Rain/thundershowers likely at a few places accompanied with isolated thundersqualls over the state.

Advisories

- As there was no sufficient rainfall during last week and rain/thundershowers is likely at a few places over the State for the next three days, postpone 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.
- Protect the standing crops from hail damage by putting hail nets.

West Bengal

- Rain/thundershowers likely at a few places accompanied with isolated thundersqualls over the state.

Advisories

- As there was no significant rainfall during last week in most of the districts in Gangetic West Bengal and rain/thundershowers likely at a few places during next three days, apply irrigation to sesamum, groundnut and green gram. As there was sufficient rainfall in most of

the districts of Sub-Himalayan West Bengal during last week, postpone irrigation to the crops.

- 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. Apply fertilisers on a non rainy day.
- Harvest already matured crops of sugarcane, arhar, rapeseed, mustard, lentil and gram on bright sunny days.
- 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.
- Protect the standing crops from hail damage by putting hail nets.

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

Gujarat

- Isolated rain/thundershowers likely over the state from tomorrow onwards.

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

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

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

- Light rain has occurred at a few places in East Vidarbha. Mainly dry weather prevailed over rest of the State.

- Isolated rain/thundershowers likely over Konkan and Madhya Maharashtra from tomorrow onwards. Mainly dry weather is likely over rest of the places.

Advisories

- As there was no significant rain during last week and 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.
- Maintain 2 to 3 cm water level in after 3 – 4 days of transplanting in summer rice. 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 Carbendazim 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

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

Advisories

- As there was no significant rain during last week in the State and no significant rain is likely over the State, apply irrigation to sugarcane and irrigated wheat.
- Undertake intercultural operation in sugarcane to keep the field weed free.
- Continue harvesting rainfed wheat.

Orissa

- Isolated rain/thundershowers likely over the State.

Advisories

- As there was no sufficient rainfall in during last week in most of the districts and isolated rain / thundershowers are likely occur for next three days over the State, 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.
- Harvest the matured pulses and oilseed crops.
- In transplanted Dalua paddy, apply 6 to 8 kg Nitrogen per acre as second top-dressing.

Salient weather features for the week ending 2/04/08

METEOROLOGICAL ANALYSIS

- A western disturbance as an upper air cyclonic circulation lay over north Pakistan and adjoining Jammu & Kashmir on 28th, Himachal Pradesh and neighbourhood on 29th and moved away eastwards thereafter.
- Another western disturbance as an upper air cyclonic circulation lay over north Pakistan and adjoining Jammu & Kashmir on 30th & 31st. An induced upper air cyclonic circulation lay over Rajasthan & neighbourhood on 30th, Haryana & neighbourhood on 31st March and 1st April, Uttarakhand & neighbourhood on 2nd.
- The third western disturbance as an upper air cyclonic circulation lay over north Pakistan and neighbourhood on 2nd.
- The trough in westerlies in mid-tropospheric level ran roughly along 65°E to the north of 20°N on 27th. Gradually moving eastwards, it ran from East Uttar Pradesh to north Coastal Andhra Pradesh on 1st April and Sub-Himalayan West Bengal to north Bay of Bengal on 2nd.
- An upper air cyclonic circulation extending upto 0.9 Km above mean sea level (amsl) lay over Arunachal Pradesh and neighbourhood on 27th and moved away eastwards thereafter.
- Another upper air cyclonic circulation in lower levels lay over Sub-Himalayan West Bengal & Sikkim and neighbourhood on 29th & 30th, Assam & neighbourhood on 31st, Nagaland, Manipur, Mizoram & Tripura on 1st April and moved away eastwards thereafter.
- A trough/line of wind discontinuity prevailed over south India during the week.
- Last week's upper air cyclonic circulation over east Arabian Sea off Konkan & Goa coast lay over Madhya Maharashtra and neighbourhood extending upto 2.1 Km amsl on 27th March. It persisted over the same area extending upto 0.9 Km amsl on 28th and became less marked thereafter.
- An upper air cyclonic circulation extending upto 3.1 Km amsl lay over southwest Bay of Bengal off south Tamil Nadu coast on 27th, Comorin area on 28th, Maldives & neighbourhood on 29th and became less marked thereafter.

RAINFALL / SNOWFALL

Under the influence of the above systems:

- Isolated rain/thundershower occurred over Jammu & Kashmir during the week. Isolated rain/thundershower also occurred over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, West Madhya Pradesh and West Uttar Pradesh during second half of the week.
- Scattered to fairly widespread rain/thundershower occurred over Northeastern States during the week.
- Isolated rain/thundershower occurred over Sub- Himalayan West Bengal & Sikkim during first half and activity was scattered to fairly widespread during second half of the week.
- Isolated rain/thundershower occurred over Gangetic West Bengal and Orissa on many days and East Madhya Pradesh, Jharkhand, Chhattisgarh and Vidarbha on a few days of the week.
- Scattered to fairly widespread rain/thundershower occurred over south India and Andaman & Nicobar Islands on many days of the week.
- Mainly dry weather prevailed over remaining parts of the country.

MAXIMUM TEMPERATURE

- The maximum temperatures were above normal to markedly above normal over Northwest India, Rajasthan and Madhya Pradesh till 30th March and became below normal towards the end of the week.
- They were below normal to appreciably below normal over interior Karnataka, Telangana and Rayalaseema during many days of the week and Madhya Maharashtra, Marathawada, Vidarbha and Gujarat State during second half of the week.

MINIMUM TEMPERATURE

- The minimum temperatures were above normal to markedly above normal over West Rajasthan throughout the week and over East Rajasthan, Gujarat State, Madhya Pradesh and West Uttar Pradesh during many days of the week.
- They were below normal to appreciably below normal over Coastal & North Interior Karnataka, many parts of Maharashtra & Goa, Orissa and West Bengal & Sikkim towards the end of the week.

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RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 2ND APRIL, 2008)

- Rainfall was excess/normal in 20, deficient/scanty in 10 and no rain in 6 out of 36 meteorological sub-divisions (Actual: 10.1 mm, Normal: 6.4 mm and Departure: +57 %).

CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 2ND APRIL, 2008)

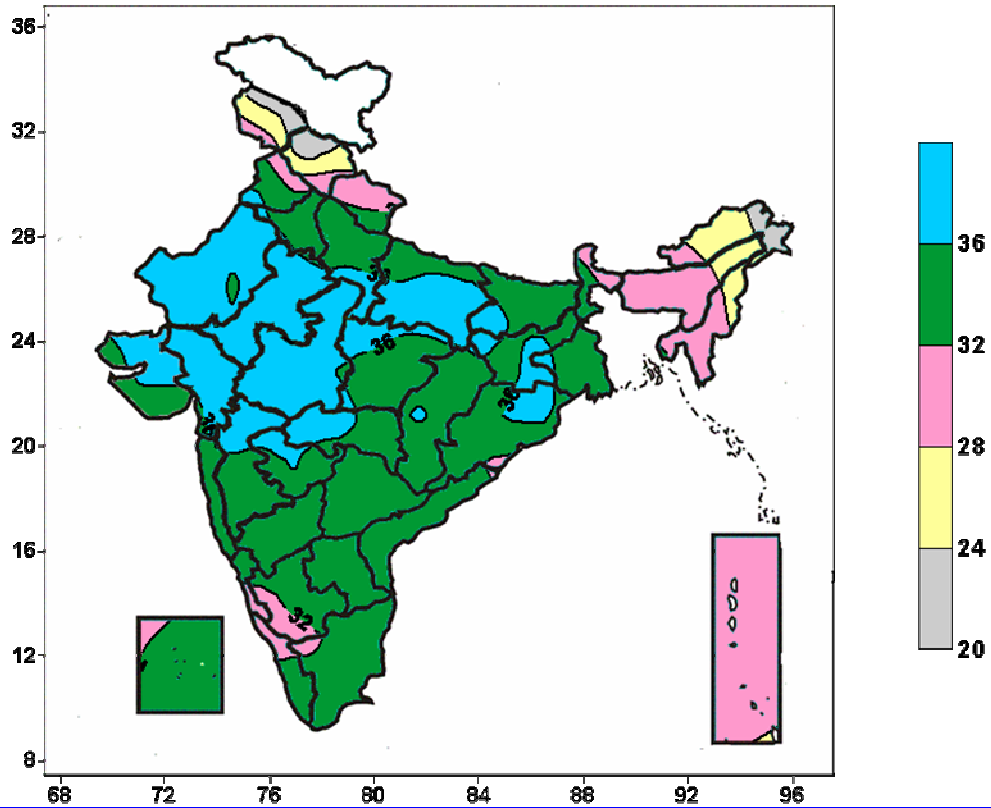
- Rainfall was excess/normal in 19, deficient/scanty in 15 and no rain in 2 out of 36 meteorological sub-divisions. (Actual: 43.2 mm, Normal: 32.0 mm and Departure: +35%).
- The sub-division-wise weekly and seasonal rainfall distribution is presented in the enclosed map.
- A comparative data of cumulative seasonal rainfall during the corresponding period of last five years is given in *Table-1*. District-wise distribution of excess, normal, deficient and scanty rainfall is shown in *Table-2*.

OUTLOOK FOR THE WEEK ENDING ON 9TH APRIL, 2008.

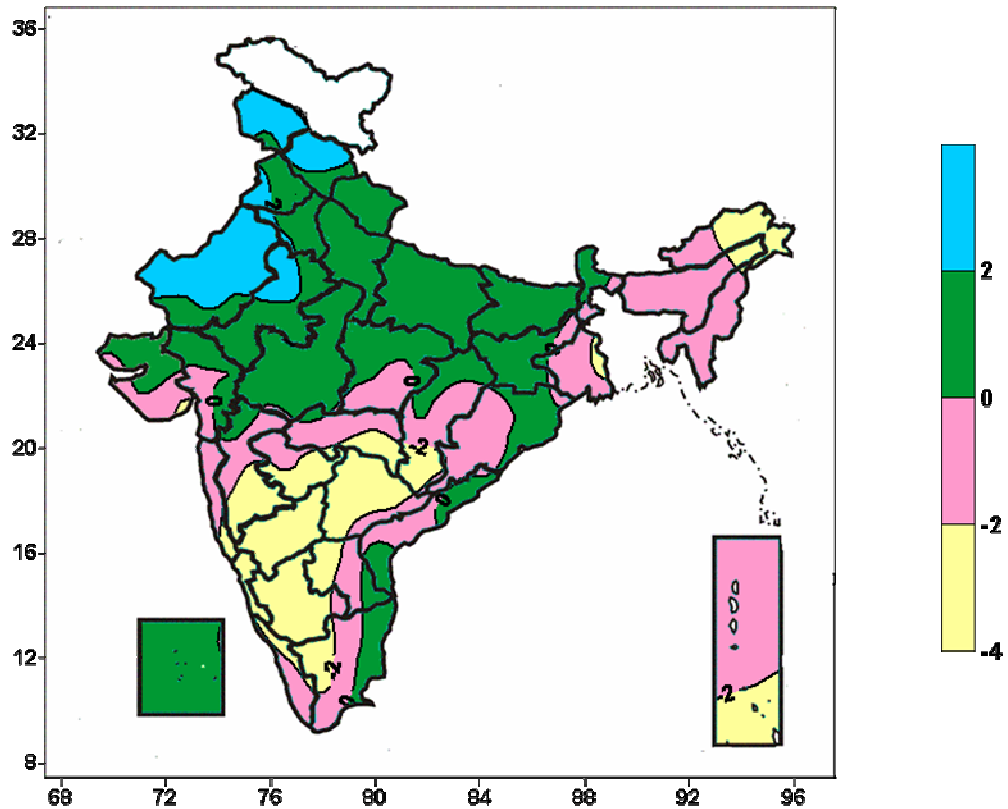
- Under the influence of a western disturbance and its induced cyclonic circulation, scattered/fairly widespread rain/thundershower activity is likely over northwest India and Rajasthan during first half of the week. Isolated thundersquall accompanied with hailstorm is also expected over the above region during same period. The activity is likely to decrease thereafter.
- The day temperatures which are currently 2-3°C below normal over most parts of northwest & central India are likely to fall further during first half of the week and rise thereafter.
- Isolated to scattered rainfall activity over peninsular India during the week.
- Scattered rain/thundershower activity over northeast India, Sub-Himalayan West Bengal & Sikkim and isolated over remaining parts of east and adjoining central India.

Contour maps for the week ending 2nd April, 2008

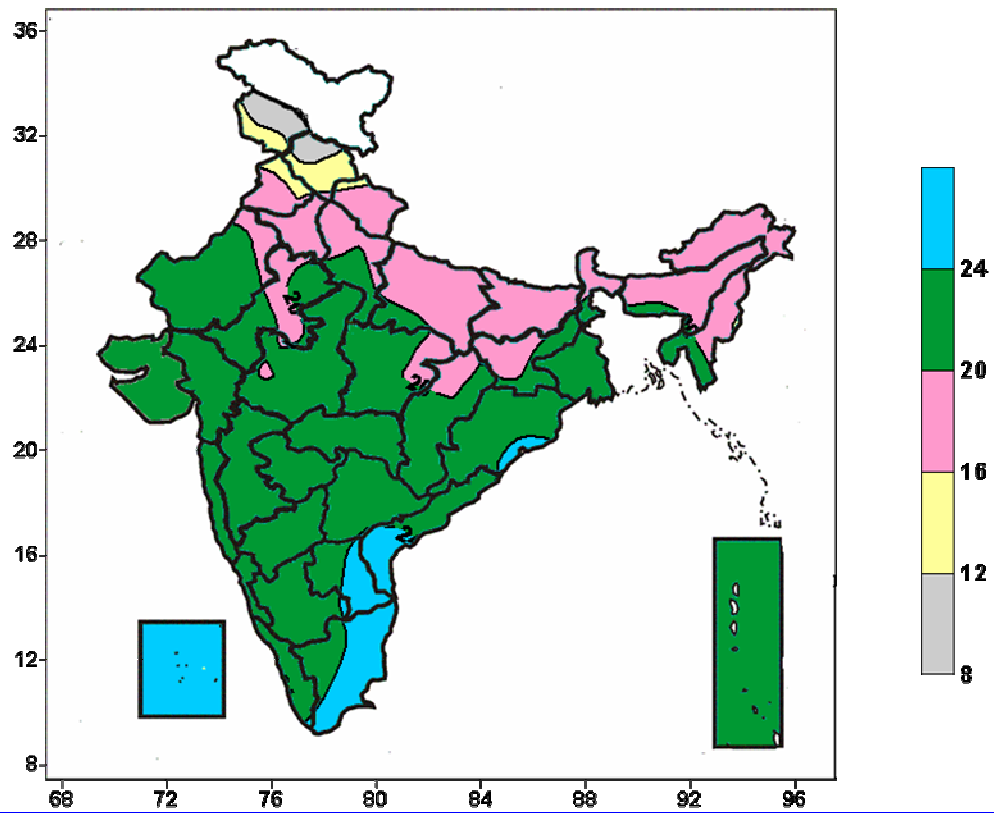
Actual Mean Maximum Temperature ($^{\circ}\text{C}$) in India for the week ending 02.04.08



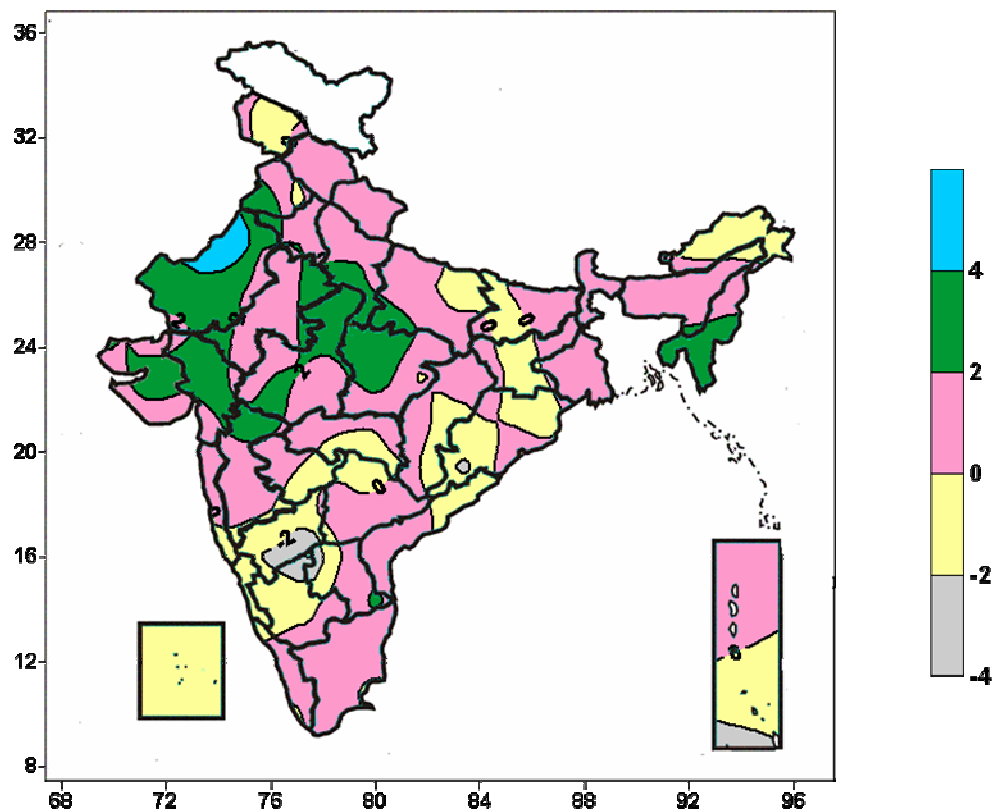
Maximum Temperature ($^{\circ}\text{C}$) Anomaly In India for the week ending 02.04.08



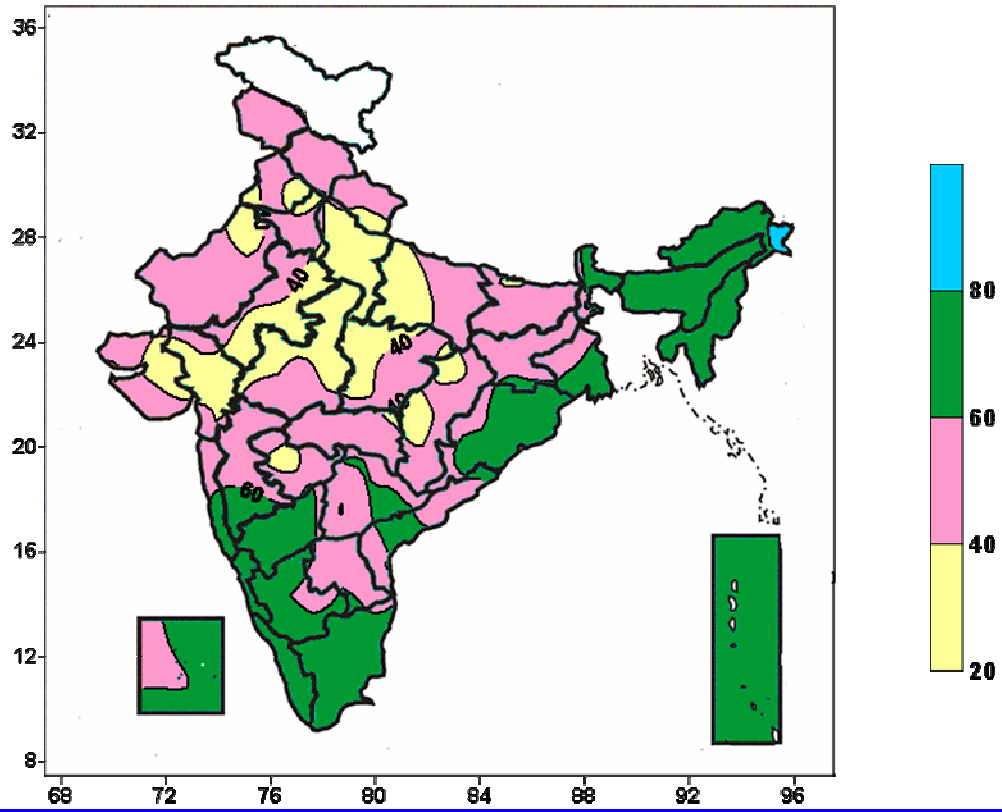
Actual Mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 02.04.08



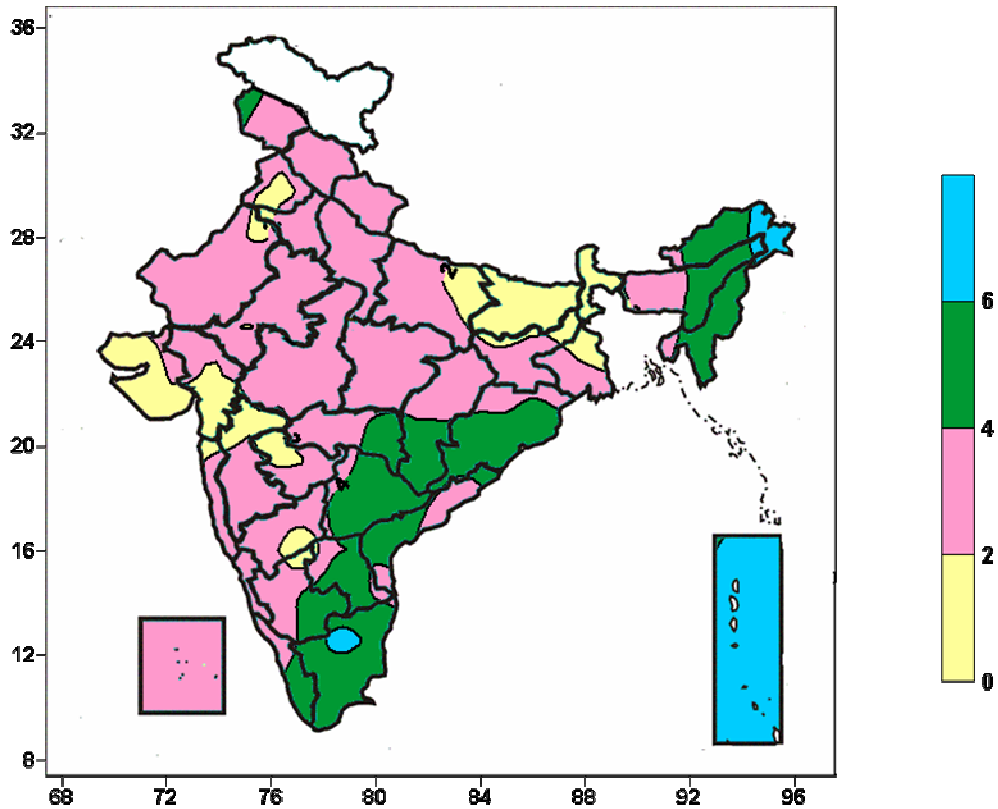
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 02.04.08



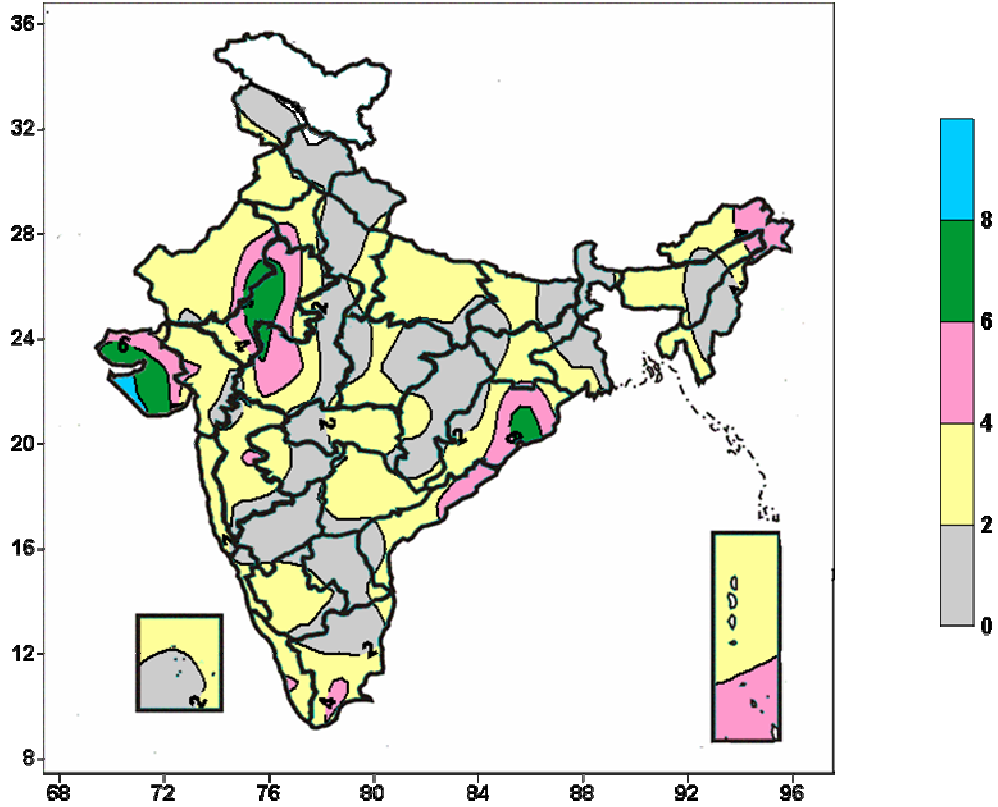
Relative Humidity (%) over India for the week ending 02.04.08



Cloud amount (okta) over India for the week ending 02.04.08



Wind speed (knots) over India for the week ending 02.04.08



Desert Locust Forecasting



Rainfall (mm)							
Station Name	27/03/08	28/03/08	29/03/08	30/03/08	31/03/08	01/04/08	02/04/08
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	00.0	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	01.2	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	05.0	00.0

Temperature (° C)

Station Name	27/03/08	28/03/08	29/03/08	30/03/08	31/03/08	01/04/08	02/04/08
Amritsar	23.5	23.5	24.5	23.5	21.5	23.0	-
Barmer	31.0	32.0	34.5	32.5	28.5	28.5	29.0
Sriganganagar	27.0	26.5	26.5	26.0	24.5	26.0	26.0
Jaisalmer	31.0	31.5	31.0	31.0	29.0	28.0	29.0
Kota	29.5	30.5	32.0	30.0	29.0	30.0	29.5
Deesa	29.5	29.5	30.0	28.5	27.0	27.5	27.5
Churu	29.0	31.0	29.5	29.5	30.0	27.0	27.0

Wind														
Station Name	27/03/08		28/03/08		29/03/08		30/03/08		31/03/08		01/04/08		02/04/08	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
Amritsar	-	-	04	NNE	-	-	05	SW	-	-	11	ESE	11	E
Barmer	-	-	-	-	-	-	-	-	-	-	SSW	09	SSE	04
Sriganga nagar	-	-	13	WNW	-	-	-	-	01	NNE	03	NW	10	SW
Jaisalmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kota	07	W	12	WNW	15	15	NW	-	13	WNW	04	SW	12	WNW
Deesa	-	-	-	-	09	WNW	05	WSW	08	S	10	SW	12	WNW
Churu	02	NNW	03	ESE	07	WNW	-	-	20	SW	20	SW	21	SSW

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	Maturity/harvesting	Milk/dough	Maturity/harvesting	Vegetative
Gram				
Maturity/harvesting				
Haryana				
Autumn sugarcane	Horticultural crops	Sunflower	Wheat	Rabi Pulses
Vegetative	Vegetative	Early vegetative	Ear head formation	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			

Jammu & Kashmir

Vegetable crops	Wheat	Pulses	Brown Sarson, Mustard	Barley, Oat
vegetative	Grain formation-Jammu Tillering/late jointing-Kashmir	vegetative	Capsule formation/maturity-Jammu Vegetative/flowering-Kashmir	Jointing-Kashmir Flowering-Jammu

Punjab

Autumn sugarcane	Wheat	Rabi pulses	Sunflower
Vegetative	dough	Maturity	Early vegetative

Rajasthan

Wheat & barley	Gram	Early sown mustard, taramira	Potato
Maturity	Maturity/harvesting	Maturity/harvesting	Harvesting

Uttar Pradesh

Sugarcane	Vegetables	Rabi pulses	Rai , mustard	Mango
Cane maturity	Fruiting / maturity	Maturity/harvesting	Maturity/harvesting	Fruit setting

Wheat	Sunflower			
Grain formation/maturity	Vegetative			

Uttarakhand

Mango/Litchi	Wheat	Sugarcane	Potato	Apple
Flowering	Flowering/grain formation	Vegetative	Vegetative	Vegetative

Assam

Wheat	Arhar	Horticultural plants	Boro rice	Summer vegetables
Maturity	Harvesting	Planting	Tillering	Land preparation/sowing
Mustard, rapeseed, pea lentil etc.	Ahu rice			
Maturity/harvesting	Preparation of seed bed			

Arunachal Pradesh

Ginger	Rabi maize	Pea	Mustard	Wheat
Preparation for sowing	Maturity	Harvesting	Maturity	Grain formation
Rabi Vegetables	Jhum Rice			
Harvesting	Land preparation			

Bihar

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

Jharkhand

Pea, gram, potato	Litchi / Mango	Vegetables (Tomato, Brinjal, Bhendi)	Wheat	Mustard
Harvesting	Vegetative (tree)	Vegetative	Maturity	Pod formation
Summer rice				
Early vegetative/ 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	Potato	Sunflower
Cane maturity / harvesting	Early maturity/maturity	Maturity/harvesting	Maturity/harvesting	Vegetative
Boro rice	Early transplanted Boro rice	Wheat	Sesamum	Groundnut / Green Gram
Tillering	Early vegetative / tillering	Early maturity/maturity	Early vegetative / vegetative	Early vegetative / vegetative

Chhatisgarh

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

Gujarat

Sugarcane	Early planted s'cane	Castor	Mustard	Wheat
Vegetative	Early vegetative / vegetative	Harvesting	Maturity/harvesting	Milk/dough
Summer rice	Summer groundnut	Summer bajra		
Tillering	Vegetative	Tillering		

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	Germination	Fruit setting/ fruit development
Summer Rice	Summer sunflower	Summer bajra	Summer groundnut	
EarlytilleringActive /tillering	Early vegetative/vegetative	Early vegetative/vegetative /ear-head	Vegetative	

Madhya Pradesh

Sugarcane	Wheat			
Grand growth	Grain development/maturity			

Orissa

Vegetable crops	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, groundnut, sunflower	Annual sugarcane	Rabi Jowar /Maize/Sunflower	Rabi Cotton	Summer rice
Vegetative	Active vegetative / tillering	Harvesting	Boll maturity/picking	Tillering/booting

Kerala

Rubber	Puncha rice	ArecanutCoconut		
New planting	Harvesting	Harvesting		

Tamil Nadu

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