



Summary of Agromet Advisory Services for different States of the country

Issued by

Agricultural Meteorology Division, India Meteorological
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(For the period 10th April to 14th 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

- Isolated rain/thundershowers likely over Punjab on 11th & 12th April.

Advisories

- As there was rainfall in the State during last week and isolated rain/thundershowers likely over Punjab on 11th & 12th, apply light irrigation to the standing crops. Postpone irrigation in Amristar and Ludhiana districts.
- 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.
- As extensive damage is reported due to squall/hailstorm in some parts, farmers are advised to not harvest the wheat crop for next 3-4 days. Harvesting may be undertaken if weather remain dry afterwards.

Haryana

- Isolated rain/thundershowers likely over Haryana on 11th & 12th.

Advisories

- As there was rainfall in the State during last week and isolated rain/thundershowers likely over Haryana on 11th & 12th, apply light irrigation to sugarcane, *rabi* oilseeds, pulses, wheat 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 and mash.

Rajasthan

- Mainly dry weather is likely over the state.

Advisories

- Continue harvesting of matured crops of wheat, barley 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 top revent viral disease.
- Start 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).

Uttar Pradesh

- Mainly dry weather is likely over the State.

Advisories

- As there was no sufficient rainfall in the State and mainly dry weather is likely for next three days, apply irrigation to wheat, vegetable and pulse crops.
- Harvest the matured sugarcane, winter vegetables, turmeric and potato.
- Continue field preparation and sowing of sugarcane, urd, moong and summer vegetables.
- To control internal rotten disease in mango, spray the solution of 5-6 gm Borax/litre of water.

Himachal Pradesh

- Isolated rain/thundershowers likely over the State on 11th & 12th April.

Advisories

- As Kinnaur, Kullu and Mandi districts of the state received no significant rain during last week and rain/thundershowers are likely only at isolated places over the state during next 48 hours, apply irrigation to vegetables, potato, toria, rapeseed, mustard, wheat, barley and gram. As remaining districts of the State received excess rain during last week, postpone irrigation to the crops in these districts.
- 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

- Isolated rain/thunders likely over the stste on 11th and 12th.

Advisories

- As there was no significant rainfall during last week and rain/thunder showers is likely at isolated places over the state during next 48 hours, apply irrigation to wheat, sugarcane, potato and orchard trees.
- Undertake intercultural operations in orchards and sugarcane to keep the field weed free
- Continue sowing of potato in hilly areas.
- Continue sowing of sugarcane crop.
- Monitor mango trees for powdery mildew and litchi for mite incidences. Undertake need based plant protection measures.

Jammu & Kashmir

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

Advisories

- Monitor onion crop for aphid and thrips attack in Jammu division and spray the crop with Endosulphan @ 0.07% or Malathion @ 0.05% if required on a non rainy day.
- As rain/thundershowers likely at a few places over the state during next three days, apply 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 continued in Kashmir division.
- It is optimum time for transplanting of poplar from nursery to field area during these days in Jammu division. Pruning in grapevine, phalso, peach and plum crop. Keep the orchard free from weeds by intercultural operation. Farmers can also plan for plantation of new orchards during these days. Apply nitrogenous fertilizer in orchards on a non rainy day.

Delhi

- Weather remained mainly dry.
- Mainly dry weather is likely over the state.

Advisories

- As mainly dry weather is likely over the state, 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.
- Start harvesting of already matured crops of wheat on bright sunny days. When colour of wheat crop changes into golden or reddish, the crop will be ready for harvest.
- Continue harvesting of already matured crops of mustard and gram on bright sunny days.
- 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 a few places in Kerala on 9th and at isolated places on 7th & 8th .
- Isolated rain/thundershowers likely over Kerala during next 24 hours and scattered thereafter.

Advisories

- As there was no sufficient rainfall in most of the districts over the State during last week except in Alappuzha, Kottayam, Pathanamthitta, Thrissur and Thiruvananthapuram, 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.
- 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 *puncha* rice on bright sunny days.

- 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 coastal Tamil Nadu and South Tamil Nadu. Mainly dry weather is likely over the rest of the State.

Advisories

- Apply irrigation to groundnut, sugarcane and pulse crops as rain/ thundershowers likely at isolated places only over 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.
- Undertake intercultural operations, application of fertilisers and spraying in the standing crops.
- Weather conditions are favorable for the occurrence of blast in rice in and around Coimbatore and Kannivadi regions in Western zone. Monitor the crop and spray Edifenphos @ 500 ml/ha.
- Start land preparation and sowing of *summer irrigated* sorghum variety K8 around Kovilpatty.

Karnataka

- Over Coastal Karnataka and North Interior Karnataka Rainfall occurred at isolated places on all the days; Over South Interior Karnataka, Rainfall occurred at isolated places on 7th & 8th and dry weather prevailed on 9th.
- 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 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, sunflower and maize crops. Complete picking of cotton.
- Start land preparation and sowing of early *kharif* crops like green gram, black gram, jowar and sunflower.
- Monitor *summer* rice for blast and sucking pests. Monitor the crop for the pest and disease and adopt need based plant protection measures.

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 mainly dry weather is likely to prevail during next three days, apply irrigation to groundnut.
- Maintain 5 – 7 cm water level in rice field where the crop is at grain development stage
- Mild incidence of whorl maggot and blast is noticed in rice. 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.

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

Assam

- Light rain occurred at isolated places on 7th and weather was dry on 8th & 9th April over the state
- Mainly dry weather is likely over the state during next 24 hours. Isolated rain/thundershowers likely over the state on 11th which will increase thereafter.

Advisories

- Maintain 3 – 5 cm of water in *boro* rice and early *ahu* rice field.
- Continue harvesting of wheat on bright sunny days. To control rats in wheat field use calphose or quick phos tablet (one or two tablets per hole) or poisoned bait using atta / crushed maize 80g, gur 5 g, dry fish 5 g and zinc phosphate 5 g.
- 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.
- 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 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.
- 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.

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 no significant 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, apply irrigation to the crops.

Bihar

- Light to moderate rain occurred at few place on 04, 05, 07-04-08 and weather mainly dry on rest of the days.
- Mainly dry weather is likely over the state.

Advisories

- As there was no sufficient rainfall during last week and mainly dry weather is 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 no sufficient rain occurred in the State and mainly dry weather is likely to continue over the State for the next three days.
- Prepare field and undertake sowing of summer vegetables.
- Harvest the matured crops of wheat.
- Topdressing of urea after 50 days of transplanting can be done in summer rice.

Sikkim

- Rain/thundershowers likely at isolated places over Sikkim.

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

- Isolated rain/thundershowers likely over Sub-Himalayan West Bengal on 11th and scattered thereafter. Mainly dry weather is likely over rest of the State

Advisories

- As there was excess rainfall during last week in most of the districts of the State, postpone irrigation to the crop.
- Maintain 3 – 5 cm standing water in *boro* rice field.
- Harvest already matured crops of arhar and wheat 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. Spray pesticides on a non rainy day in Sub-Himalayan West Bengal.

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

Gujarat

- Rainfall occurred at isolated places over North Gujarat region on 9th April.
- Mainly dry weather is likely over the region.

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.
- 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.

Advisories

- As mainly dry weather is likely over the State for next three days, apply irrigation to sugarcane, vegetables, sunflower, groundnut and sesame.
- Maintain 3 – 5 cm water in summer rice field.
- Top dressing of sugarcane with Nitrogen 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.
- Prepare land and undertake sowing of summer vegetables with assured irrigation facilities.
- Prepare land and continue sowing of green gram.

Maharashtra

- Rain has occurred at isolated places in Madhya Maharashtra & Marathwada. Mainly dry weather prevailed over rest of the State.
- Mainly dry weather is likely over the region.

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 green gram, summer sunflower and summer bajra.
- 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
- Due to cloudy weather there is mild attack of thrips in mango. For control measure spray Imidocloprid @ 3 – 4 ml or 30% Diamethoate @ 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.
- Apply 125 kg Gypsum per hectare after 25 to 30 days from sowing of groundnut.

Madhya Pradesh

- Mainly dry weather is likely over the state.

Advisories

- As there was no significant rain during last week in the State and mainly dry weather is likely over the State, apply irrigation to sugarcane.
- Undertake intercultural operation in sugarcane to keep the field weed free.
- Start land preparation and sowing/ planting of *summer* moong and sugarcane.

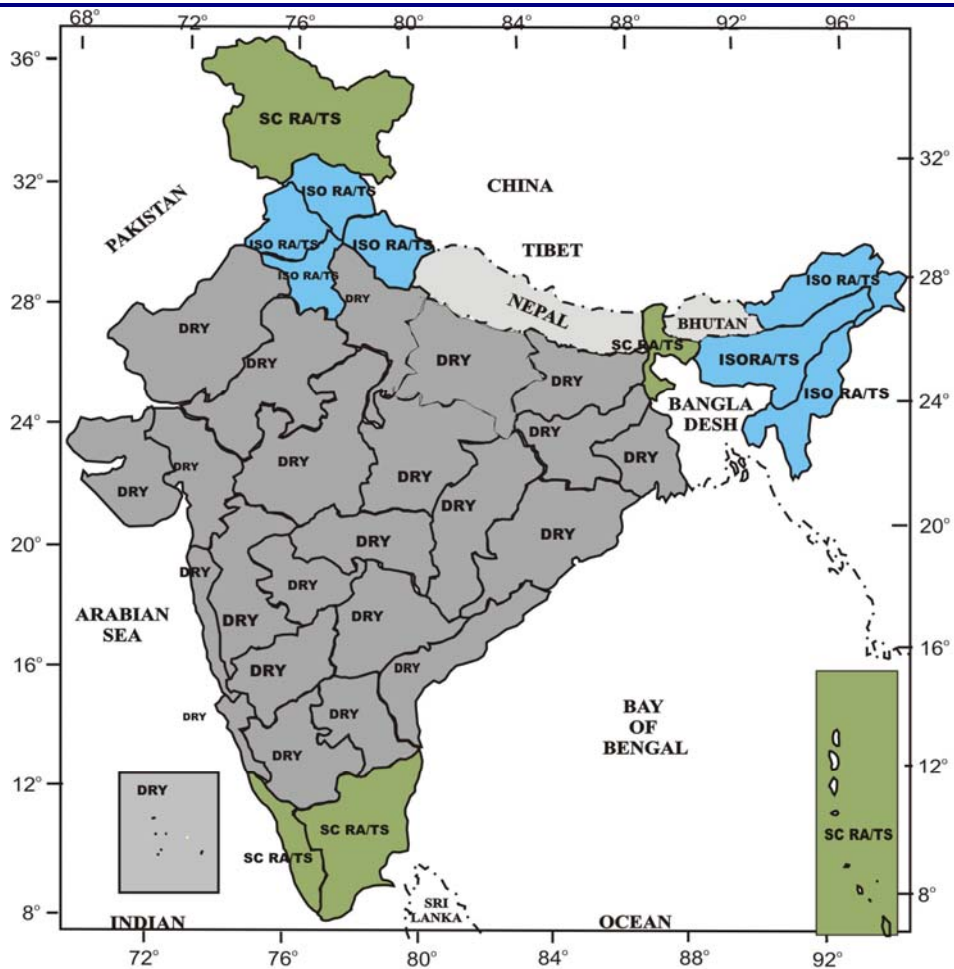
Orissa

- Isolated rain/thundershowers likely over the State.

Advisories

- As there was no sufficient rainfall in during last week in most of the districts except in Bkadrak, Cuttack, Jagathsinghpur, Kendrapara, Nayagarh and Puri and mainly dry weather is likely to prevail for next three days over the State, apply irrigation to vegetables, oil seed crops, moong and early sown sugarcane. Postpone irrigation in the above districts as there was excess rainfall during last week.
- 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.
- Continue harvesting the matured pulses, vegetable and oilseed crops.
- In transplanted *Dalua* paddy, apply 6 to 8 kg Nitrogen per acre as second top-dressing. Monitor the crop for stem borer and blast and spray Monocrotophos @ 2ml. per litre of water to control stem borer and to control blast disease spray Ediphenophos @ 1ml. per litre of water.

Forecast Valid upto 13th April, 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 9/04/08

METEOROLOGICAL ANALYSIS

- Last week's western disturbance as an upper air cyclonic circulation over north Pakistan and neighbourhood lay over north Pakistan and adjoining Jammu & Kashmir on 3rd, over Jammu & Kashmir and neighbourhood on 4th and moved away eastwards thereafter.
- An induced upper air cyclonic circulation lay over southeast Pakistan & neighbourhood on 3rd, central Pakistan and adjoining Rajasthan on 4th & 5th and became less marked on 6th.
- Last week's upper air cyclonic circulation over Uttarakhand & neighbourhood lay over West Uttar Pradesh and neighbourhood on 3rd extending upto 0.9 Km above mean sea level (amsl) and became less marked thereafter.
- An upper air cyclonic circulation extending upto 0.9 Km amsl lay over East Madhya Pradesh and neighbourhood on 3rd, Vidarbha and neighbourhood on 4th, Chhattisgarh and adjoining Orissa on 5th and became less marked thereafter.
- An upper air cyclonic circulation extending upto 1.5 Km amsl lay over Bihar and neighbourhood on 3rd, Assam and neighbourhood on 4th, Nagaland, Manipur, Mizoram & Tripura on 5th and became less marked on 6th.
- A trough/cyclonic circulation at lower levels prevailed over extreme south peninsula on many days of the week.

RAINFALL / SNOWFALL

- Scattered to fairly widespread rain/thundershower occurred over Jammu & Kashmir, Punjab, Himachal Pradesh, Haryana, Chandigarh & Delhi and Rajasthan during 1st half of the week.
- Scattered to fairly widespread rain/thundershower occurred over Sub- Himalayan West Bengal & Sikkim, Assam and Meghalaya and Arunachal Pradesh on 3rd & 4th, Jharkhand & Bihar on 4th, Gangetic West Bengal during 4th - 6th and Orissa and Chhattisgarh on 5th & 6th. Isolated heavy rainfall also occurred over coastal Orissa on 6th.
- The details of the rainfall distribution is given in Table -3.

MAXIMUM TEMPERATURE

- The maximum temperatures were above normal to appreciably above normal over Sub-Himalayan West Bengal & Sikkim and northeastern states during second half of the week.
- They were below normal to markedly below normal over most of the sub-divisions in northwest, west, central & east India in the beginning of the week. With the gradual rise in temperature they became near normal towards the end of the week.
- They were also below normal to appreciably below normal over interior peninsula during many days of the week.
- The details of the temperature distribution during the week ending on 9th April' 2008 are given in Table -4.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 9TH APRIL, 2008)

- Rainfall was excess/normal in 28, deficient/scanty in 6 and no rain in 2 out of 36 meteorological sub-divisions (Actual: 12.2 mm, Normal: 7.9 mm and Departure: +53 %).

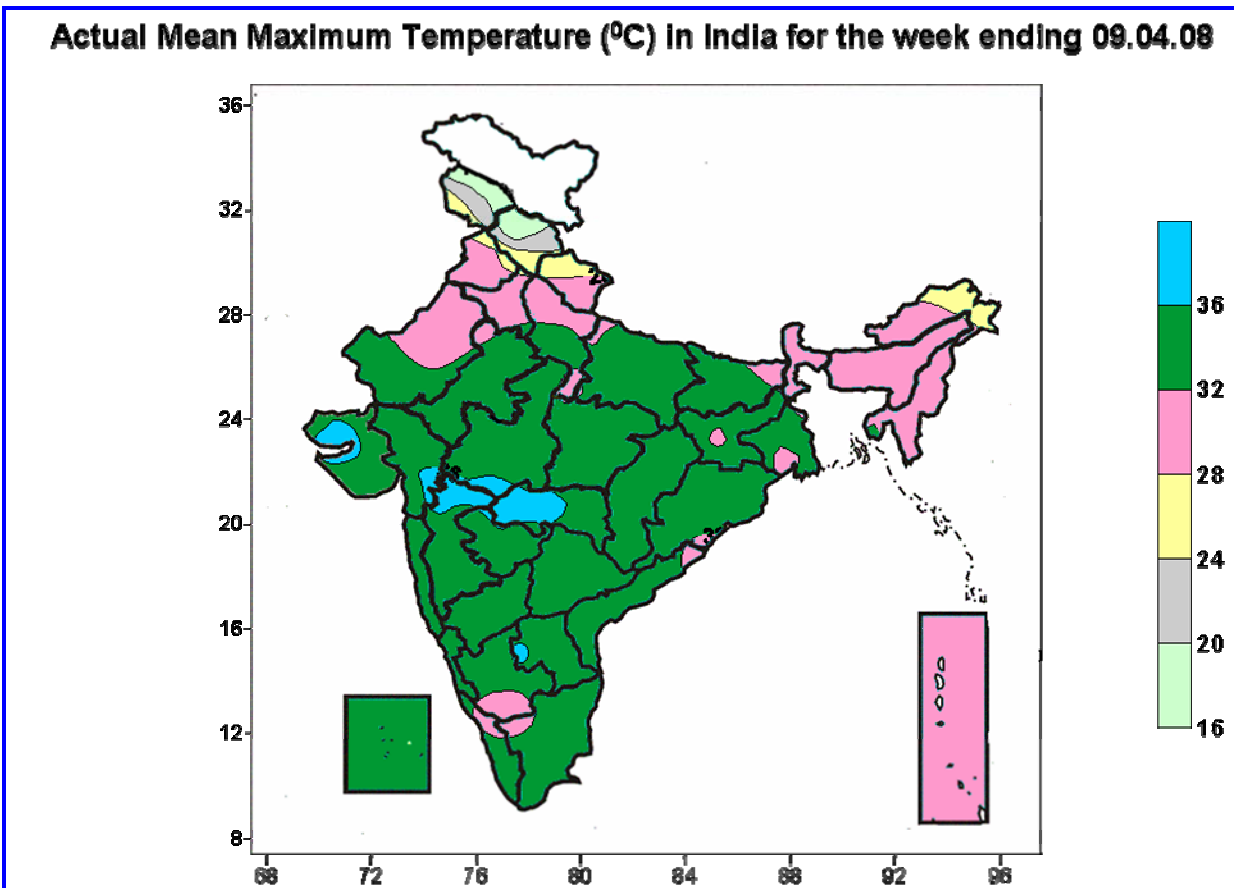
CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 9TH APRIL, 2008)

- Rainfall was excess/normal in 27 and deficient/scanty in 9 out of 36 meteorological sub-divisions. (Actual: 55.6 mm, Normal: 41.2 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*.

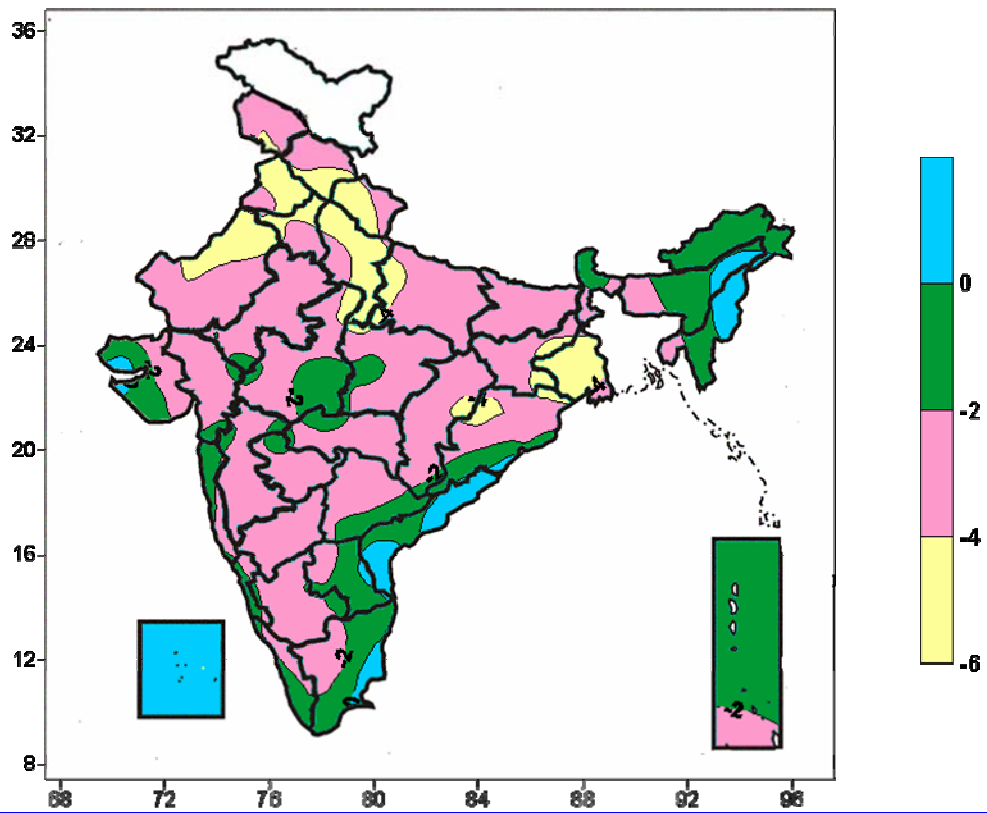
OUTLOOK FOR THE WEEK ENDING ON 16TH APRIL, 2008.

- Under the influence of a western disturbance, scattered rain/thundershowers is likely over Western Himalayan region during first half of the week. Isolated light rain/thundershower is also likely over Punjab and Haryana on 11th & 12th. Another western disturbance is likely to affect Western Himalayan region from 14th onwards.
- The gradual rise in maximum temperature is likely to continue over plains of northwest India and central India during first 2-3 days of the week.
- In association with a trough of low pressure area and an upper cyclonic circulation over southwest Bay of Bengal, scattered rain/thundershower is likely over extreme south peninsula during first half of the week.
- Scattered to fairly widespread rain/thundershower activity is likely over Sub-Himalayan West Bengal & Sikkim and northeastern states during 12th -14th

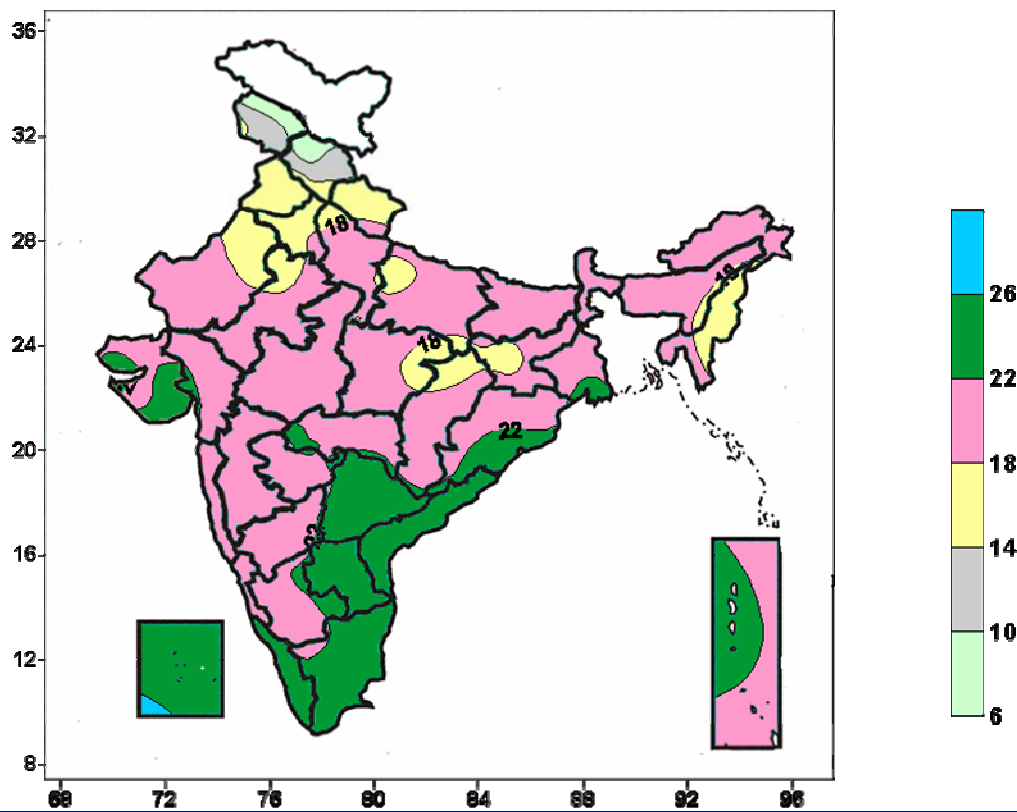
Contour maps for the week ending 9th April, 2008



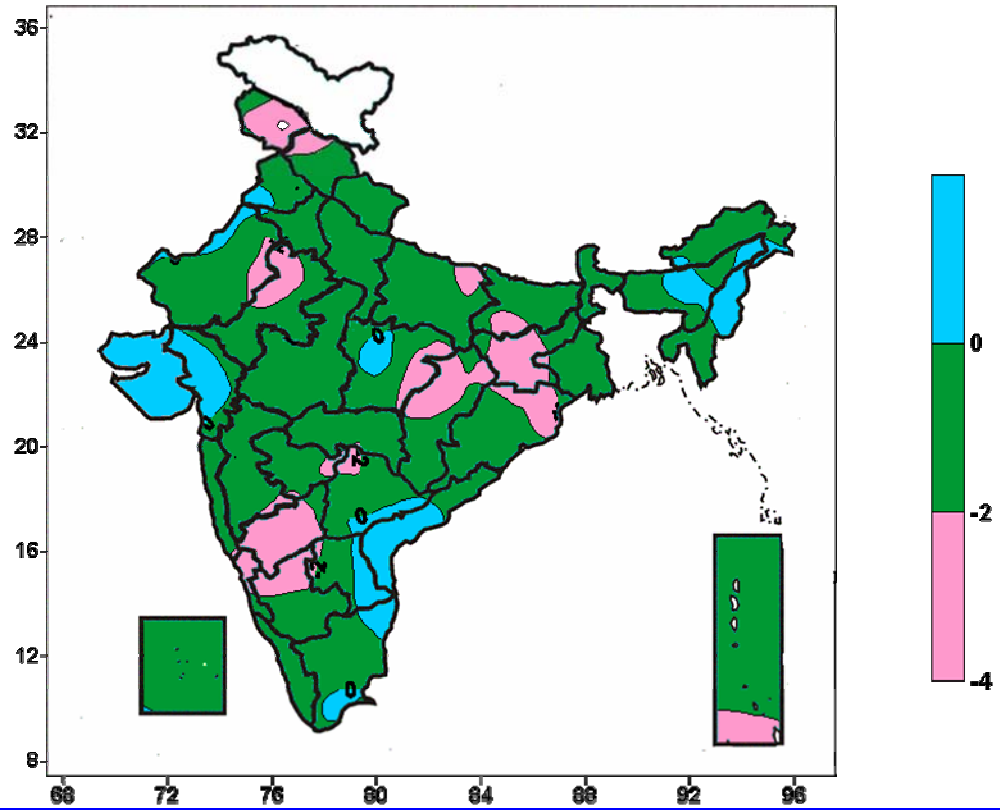
Maximum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 09.04.08



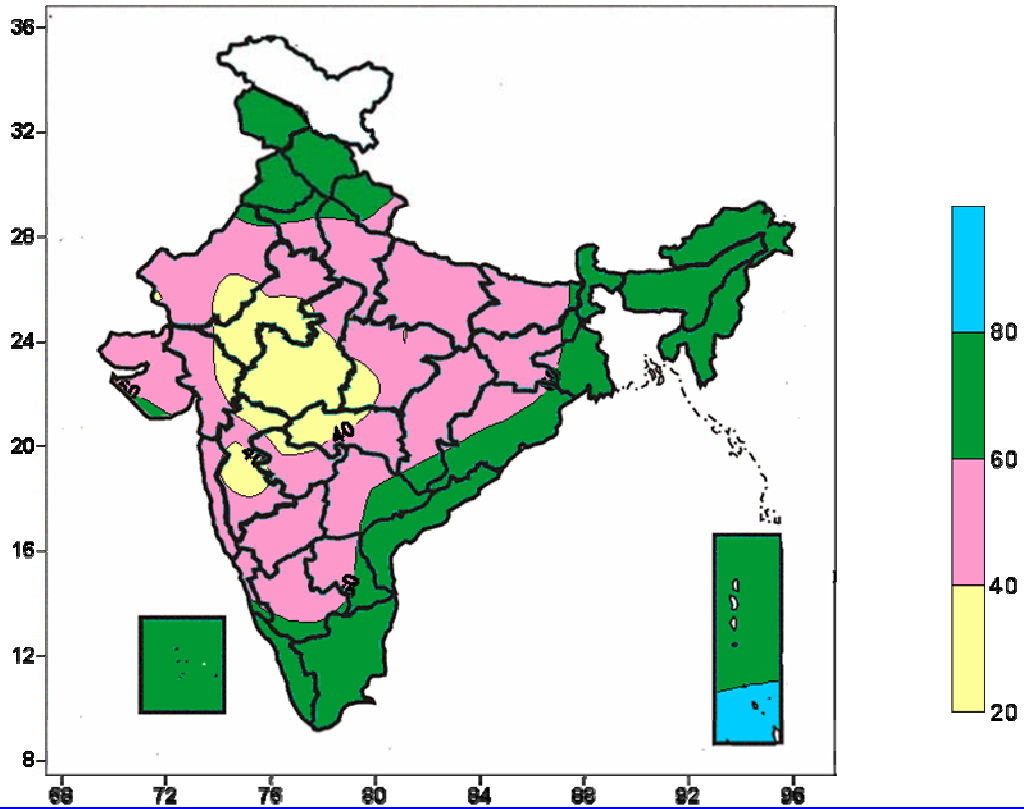
Actual Mean Minimum Temperature ($^{\circ}\text{C}$) In India for the week ending 09.04.08



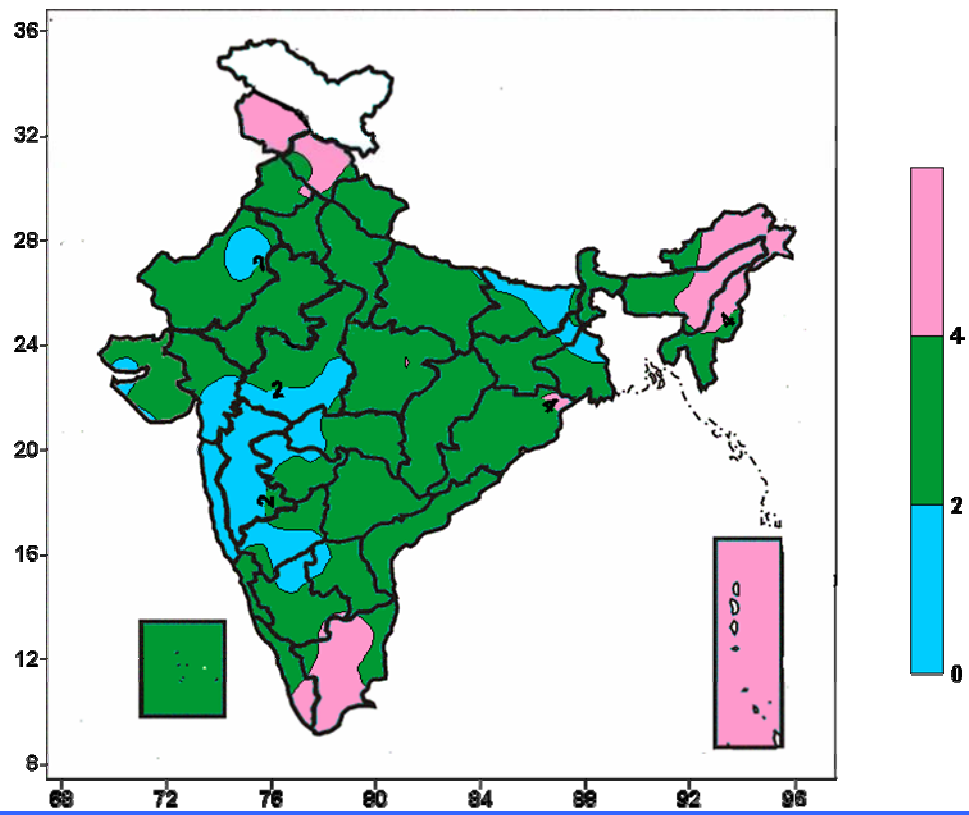
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 09.04.08



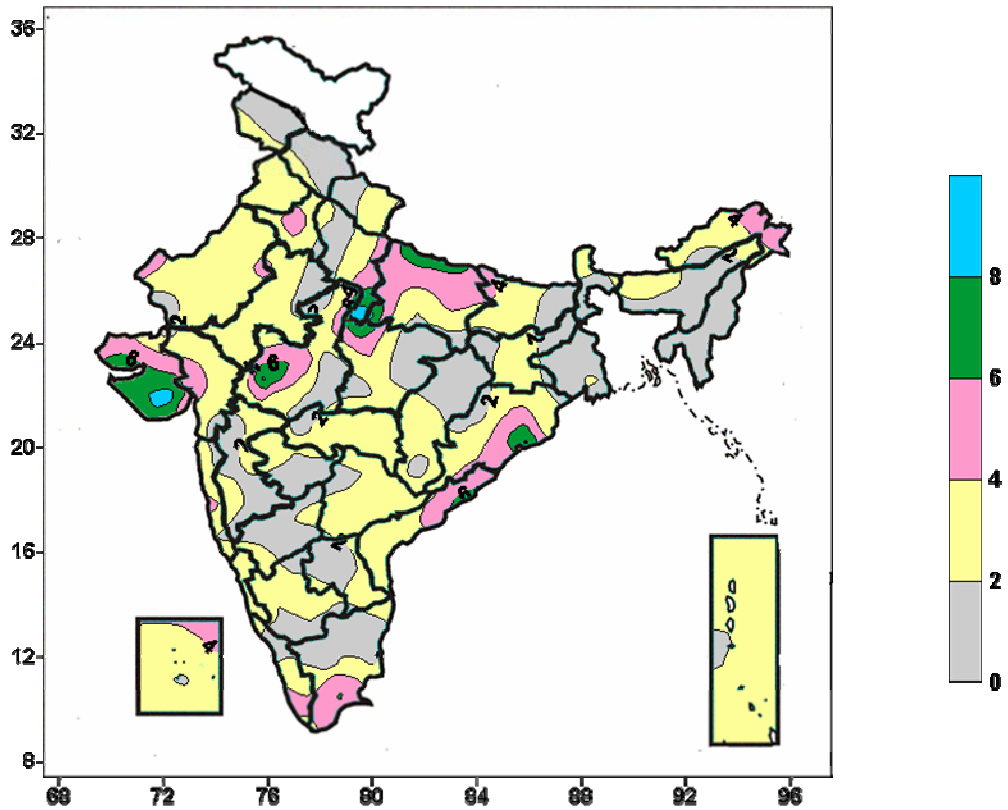
Relative Humidity (%) over India for the week ending 09.04.08



Cloud amount (okta) over India for the week ending 09.04.08



Wind speed (knots) over India for the week ending 09.04.08



Desert Locust Forecasting



Rainfall (mm)

Station Name	03/04/08	04/04/08	05/04/08	06/04/08	07/04/08	08/04/08	09/04/08
Amritsar	00.2	00.0	08.0	25.6	000	00.0	00.0
Barmer	07.2	04.2	17.2	00.0	00.0	00.0	00.0
Sriganganagar	00.0	00.0	05.4	04.7	00.0	00.0	00.0
Jaisalmer	01.0	00.0	00.0	00.0	00.0	00.0	00.0
Kota	00.0	03.4	16.2	00.8	01.2	00.0	00.0
Deesa	00.0	00.0	12.3	00.0	00.0	00.0	00.0
Churu	09.4	00.0	07.4	00.7	00.0	05.0	00.0

Temperature(°C)

Station Name	03/04/08	04/04/08	05/04/08	06/04/08	07/04/08	08/04/08	09/04/08
Amritsar	20.5	21.0	-	19.5	21.0	22.5	22.0
Barmer	27.0	22.0	25.5	26.0	28.5	30.0	31.0
Sriganganagar	-	22.5	-	22.0	24.0	26.0	28.0
Jaisalmer	27.0	23.5	-	-	28.0	29.5	31.5
Kota	-	-	24.5	-	27.0	29.0	30.0
Deesa	27.5	25.5	24.0	27.0	28.5	30.5	30.5
Churu	21.0	22.5	24.0	23.0	26.0	27.0	29.5

Wind

Station Name	03/04/08		04/04/08		05/04/08		06/04/08		07/04/08		08/04/08		09/04/08	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
Amritsar	-	-	-	-	-	-	-	-	09	WNW	02	E	05	ENE
Barmer	16	W	-	-	-	-	-	-	19	E	09	SE	05	SW
Sriganganagar	-	-	-	-	-	-	-	-	05	NE	11	ESE	07	NE
Jaisalmer	32	SW	28	SW	15	SSW	21	SSE	17	ESE	04	ESE	25	E
Kota	15	W	-	-	-	-	-	-	-	-	-	-	-	-
Deesa	11	WSW	-	-	08	WSW	13	SE	08	ESE	07	E	04	SSW
Churu	22	NNE	-	-	-	-	-	-	12	ESE	02	ESE	09	E

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	Gram	Wheat	Barley	Berseem
vegetative / flowering / fruiting/ harvesting	Harvesting	Early maturity/maturity/harvesting	Harvesting	Vegetative
Haryana				
Autumn sugarcane	Horticultural crops	Sunflower	Wheat	Rabi Pulses
Vegetative	Vegetative	Early vegetative	Dough	Harvesting

Himachal Pradesh

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

Jammu & Kashmir

Vegetable crops	Wheat	Pulses	Brown Sarson, Mustard	Barley, Oat
vegetative	Grain development - Jammu Grain formation- Kashmir	vegetative	Capsule formation/maturity- Jammu Grain formation- Kashmir	Flowering-Kashmir Grain development- Jammu

Punjab

Autumn sugarcane	Wheat	Rabi pulses	Sunflower	Horticultural crops
Vegetative	dough	Harvesting	Early vegetative	Vegetative

Rajasthan

Wheat & barley	Gram	Early sown mustard, taramira	Potato	Summer Vegetable crops
Maturity/harvesting	Maturity/harvesting	Maturity/harvesting	Harvesting	Vegetative
Cotton				
Sowing				

Uttar Pradesh

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

Uttarakhand

Mango/Litchi	Wheat	Sugarcane	Potato	Apple
Flowering	Grain formation/development	Vegetative	Vegetative growth	Vegetative

Assam

Wheat	Maize	Horticultural plants	Boro rice	Summer vegetables
Maturity/harvesting	Land preparation/ sowing	Planting	Flowering/milk	Vegetative
Regular Ahu rice	Early Ahu rice	Jute		
Broadcasted & Transplanted-Land preparation and sowing	Early vegetative / tillering	Land preparation/ sowing		

Arunachal Pradesh

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

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

Jharkhand				
Summer rice	Litchi / Mango	Vegetables (Tomato, Brinjal, Bhendi)	Wheat	Mustard
Early vegetative/ Vegetative	Vegetative (tree)	Vegetative	Maturity/harvesting	Pod formation

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

West Bengal				
Sugarcane	Rabi arhar	Groundnut	Groundnut	Sunflower
Planting	Maturity/harvesting	Vegetative/flowering	Vegetative/flowering	Vegetative
Boro rice	Early transplanted Boro rice	Wheat	Sesamum	Green Gram
Panicle initiation / flowering	Early vegetative / tillering	Maturity/harvesting	Vegetative/flowering	Early vegetative / vegetative

Chhatisgarh				
Sugarcane	Sesame	Summer Rice	Vegetables	Wheat
Autumn sugarcane – Vegetative	Early vegetative / vegetative / flowering	Panicle initiation / flowering	Fruiting/harvesting	Maturity/harvesting
Green gram	Sunflower and groundnut			
Sowing	Vegetative			

Gujarat				
Sugarcane	Early planted s'cane	Castor	Wheat	Summer bajra
Vegetative	Early vegetative / vegetative	Harvesting	Harvesting	Tillering
Summer rice	Summer groundnut			
Tillering	Vegetative			

Maharashtra				
Sugarcane Preseasonal (Madhya Maharashtra, Marathwada & Vidarbha)	Sugarcane (Suru) (Madhya Maharashtra, Marthwada and Vidarbha)	Maize (Konkan, Madhya Maharashtra, Marathwada & Vidarbha)	Mango	Summer green gram
Elongation / cane development	Active growth / elongation	Vegetative	Fruit development/ fruit maturity	Germination/vegetative
Potato (Madhya Maharashtra, Marathwada & Vidarbha)	Rabi onion (Madhya Maharashtra, Marathwada)	Summer bajra	Summer groundnut	Summer sunflower
Vegetative	vegetative	Ear initiation / flowering	Vegetative/flowering	Early vegetative/vegetative
Summer Rice				
Active tillering/ panicle initiation				

Madhya Pradesh

Sugarcane	Wheat	Summer Moong and Sugarcane		
Grand growth	Grain development/maturity	sowing/ planting		

Orissa

Vegetable crops	Rice	Sugarcane	Pulses	Oilseeds
Flowering/fruitlet/harvesting	Flowering	Vegetative	Pod maturity	Pod maturity/harvesting
Moong				
Vegetative				

Andhra Pradesh

Rice	Groundnut			
Grain development/maturity	Pod formation/development			

Karnataka

Early sown maize, groundnut, sunflower	Annual sugarcane	Early kharif Crops	Rabi Cotton	Summer rice
Flowering/grain formation	Active vegetative / tillering	sowing	End picking	Tillering/panicle initiation

Kerala

Rubber	Puncha rice	Areca nut/Coconut	Banana	Pepper
New planting	Harvesting	Harvesting	New planting	Land preparation / nursery preparation

Tamil Nadu

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