



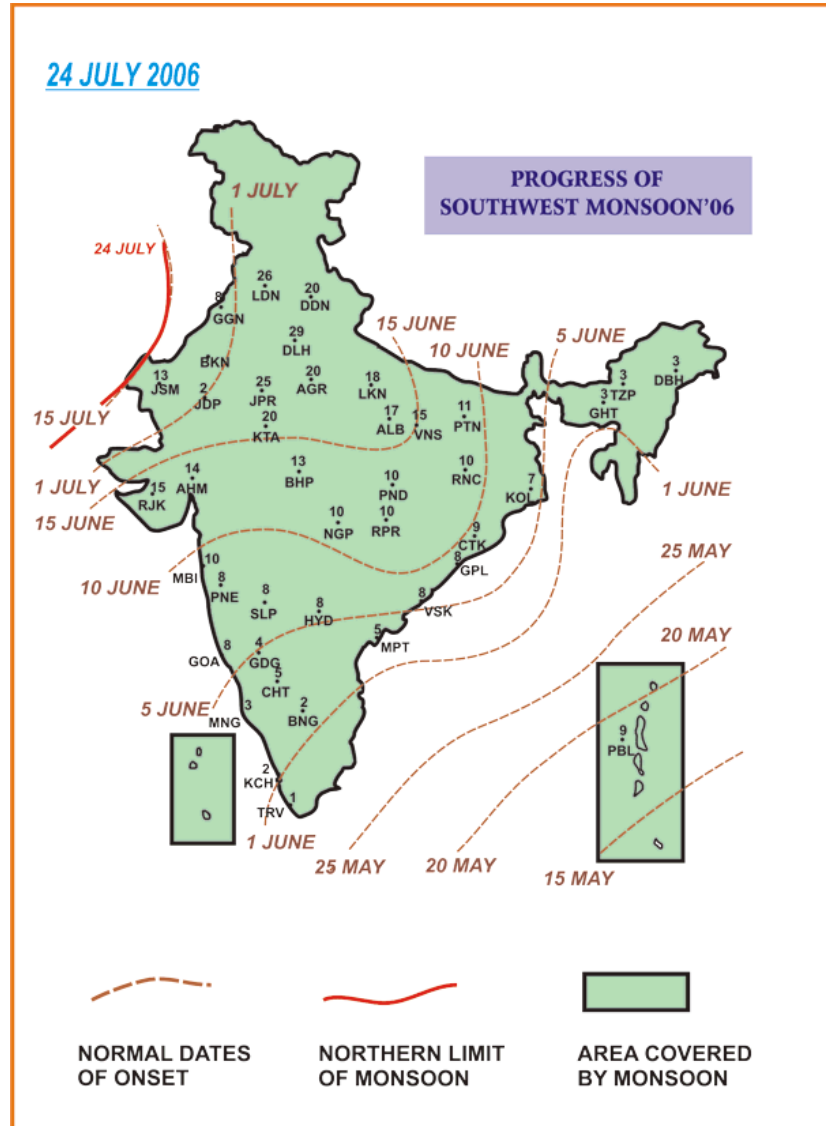
Summary of Agromet Advisory Services for different States of the country
Issued by
**Agricultural Meteorology Division, India Meteorological
Department, Pune, India**

Thursday, 27th July, 2006

(For the period 27th to 31st July, 2006)

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

Progress of Southwest Monsoon



Southwest monsoon has further advanced into remaining parts of Arabian Sea and West Rajasthan. Thus southwest monsoon has covered the entire country.

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

Punjab & Haryana

Monsoon was active in Punjab on 25th and 26th July. Widespread rainfall has occurred in the state on

26th July. There was deficient rainfall in Haryana during last week.

Rain/thundershowers are likely at many places over the states with isolated heavy falls. Rainfall activity is likely to decrease from 29th July onwards.

Isolated heavy falls likely over Punjab and Haryana.

Advisories

- Rain/thundershowers are likely at many places over the region with isolated heavy falls. Under the circumstances postpone irrigation to crops for next three days.
- As prevailing weather conditions i.e. rainfall, high humidity, cloudiness, may favour the further spreading of the incidences of top and shoot borer in the sugarcane crop, recommended plant protection measures i.e. 12 kg/ha carbofuran 36 G or phorate 10 kg/ha may be taken after current spells of rain.
- This is proper time for sowing groundnut. and *kharif* pulses. Continue sowing of healthy seeds of these crops with light irrigation.
- Complete transplanting short durations dwarf varieties providing required irrigation.
- Prevailing weather conditions are favorable for incidence further spread of Jassid, Bollworm and other leaf eating caterpillar. Adopt adequate plant protection measures after current spells of rain.
- Keep your animal clean by properly brushing or washing. Dirty and neglected animals are more prone to maggot wound in monsoon. Treat your cattle for lice and ticks which suck blood of animal and spread diseases.

Rajasthan

Light to moderate rainfall recorded at many places in **Bikaner**, **Kota**, **Jaipur**, and **Udaipur** divisions; at few places in **Ajmer** division and light rainfall at isolated places in **Jodhpur** division.

Rain / Thundershowers are likely at many places over East Rajasthan and at a few places over west Rajasthan.

Isolated heavy falls are likely over East Rajasthan.

Advisories

- Continue sowing of *kharif* crops like **groundnut**, **bajra**, **maize**, **soyabean** and **pulses** crops with the help of advanced monsoon rain.
- As rain/thundershowers are likely to occur at many places over East Rajasthan for the next three days, postpone irrigation to *kharif* cotton.
- There was no significant rainfall during last week except in **Bikaner**, **Hanumangarh**, **Nagaur**, and **Pali districts** in west Rajasthan and rain / thundershowers are likely at a few places. Under the circumstances, apply irrigation to *kharif* cotton in non rainy days. Apply irrigation in the above mentioned districts depending on soil stored moisture.

Uttar Pradesh

Rain occurred at few places in **Gorakhpur**, **Lucknow**, **Faizabad**, **Jhansi** divisions and at isolated places in the remaining divisions of the State on 24th July. Rain occurred at few places in **Gorakhpur**, **Lucknow**, **Bareilly**, **Kanpur**, division and at isolated places in remaining divisions of the State on 25th July. Rain occurred at many places at **Gorakhpur**, **Varansi**, **Kanpur**, **Luknow**, **Bareilly** divisions and at few places in remaining divisions of the State on 26th July.

Rain / Thundershowers are likely at many places with isolated heavy falls in West U.P. and Rain / Thundershowers are likely at many places over East U. P. Rainfall activity is likely to increase further during next 3 days in east U.P. and in West U.P. rainfall activity is likely to decrease from 29th onwards.

Isolated heavy falls likely over the State.

Advisories

- Postpone irrigation to **summer sugarcane, vegetables and mango** crops as rain or thundershowers are likely to occur at many places over the State.
- Continue sowing of **rice, maize, jowar, bajra, kharif pulses and oilseeds.**
- Continue harvesting of **sunflower, gram, urad, and mung** after current spells of rain.
- Make arrangement for quick drainage of excess water in standing crops, if rains are heavy.

Himachal Pradesh

Precipitation occurred at few places during first half of the week and at many places during the second half of the week in the state.

Rain / thundershowers are likely at many places over the State with isolated heavy falls. Rainfall activity is likely to decrease from 29th onwards.

Isolated heavy falls likely over the State.

Advisories

- As rain / thundershowers are likely at many places over the State with heavy to very heavy rainfall at isolated places, postpone intercultural operation, irrigation and application of fertilizer and plant protection measures to **maize, moong, apple and early sown vegetable** crops.
- Also continue land preparation on a non-rainy day and sowing of **bhindi** (var. Prabhani Kranti, Arka Anamika) and **frenchbean** (var. Conender) and transplanting of **brinjal** (Arka Nidhi, PPC), **Capsicum** (California wonder), **radish, turnip, and tomato.**
- **Cut worm** and **white grub** attack is seen in the fields of **Tomato and Brinjal**, spray chloropyriphos@160 ml per kanal in 32 liters of water after current spells of rain.
- Drain out excess water from the field and continue preparation of land and transplanting of **rice** in the main field.

Uttaranchal

Light to heavy rain recorded at many places on 20th, 21st, 23rd & 26th July, at few places on 24th & 25th July, at isolated places on 22nd July. Sky remained generally cloudy to overcast.

Rain / thundershowers are likely at many places over the State with isolated heavy falls. Rainfall activity is likely to decrease from 29th July onwards.

Isolated heavy falls likely over the region.

Advisories

- Rain / thundershowers are likely at many places over the region with isolated heavy falls over the State, for the next three days. Under the circumstances, postpone irrigation to **mango, apple, sugarcane and vegetable** crops.
- Continue nursery sowing and transplanting of **rice & cauliflower.**
- Arrange for drainage facilities in case of heavy rainfall.

Jammu & Kashmir

Light to moderate rain / thundershowers occurred at few places with heavy falls on 24th July. Rain/thundershowers again occurred at isolated places on 25th and 26th July with heavy falls at **Batote and Kathua** on 25th July.

Rain / thundershowers likely to occur at many places in J & K state. Rainfall activity likely to decrease after 29th.

Isolated heavy falls likely to occur in J & K state.

Advisories

- Continue transplanting of late rice varieties in Jammu division by utilizing monsoon showers.
- If nursery sowing cannot be undertaken, farmers are advised to go for direct sowing of rice in Jammu division.
- Rain/ thundershowers are likely to occur at many places in J & K state. Under the circumstances, postpone irrigation to summer vegetables, pulses, rice and maize.
- Yellow vein mosaic attack is reported in bhindi. Rogue out the yellow vein mosaic affected plants and destroy.

Delhi

Moderate rain occurred on 26th July at most places. Very light rain occurred on 24th July at a few places. Weather remained mainly dry on rest of the days.

Rain / thundershowers are likely at many places over the state with isolated heavy falls. Rainfall activity is likely to decrease from 29th July onwards.

Advisories

- As rain / thundershowers are likely at many places over the State for next three days, postpone irrigation to early sown summer vegetable crops, green gram, black gram, fodder crops and early sown arhar, maize and bajra.
- Maintain 2 – 3 cm of standing water after 2 – 3 days of transplanting of rice and 3 – 5 cm of water in the rice field wherever crops are at vegetative stage.
- Prepare land and complete sowing of arhar, maize, bajra, and transplanting of rice. Also continue sowing of fodder crops and transplanting of cauliflower, cabbage, brinjal, tomato and chilly.
- Select arhar varieties like Upas – 120, Manak and T 21 and maize varieties like Ganga, Vikram and Kissan for sowing.
- Arrange for drainage facilities in case of heavy rainfall.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

Rain occurred at most places in the State on 26th July. Mainly dry weather prevailed on 25th July.

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

Advisories

- Attack of stem borer, brown plant hopper, and sheath rot is reported in rice. Spray Quinalphos 25 EC @ 750 ml / litre after current spells of rain to control stem borer. Apply Carbaryl or quinalphos after current spells of rainfall to control brown plant hopper as soon as the yellowing symptom is observed, covering the patches and the area surrounding the patches. Spray Hinosan 200 ml/acre in 200 litre of water after current spells of rainfall to control sheath rot.
- Attack of spindle bug, bud rot and fruit rot (Mahali) diseases is reported in arcanut. Spray the crowns with Carbaryl 50% WP @ 20gm/100 litre of water after current spells of rainfall to control the bug. Continue spraying Bordeaux mixture 1% after current spells of rain to control the diseases.
- Attack of Sigatoka leaf spot, bunchy top and pseudo stem weevil is reported in banana. Spray 1 % Bordeaux mixture to control leaf spot after current spells of rain. Eradicate bunchy top affected

plants to reduce the spread of the disease. Fill the leaf axils with chlorophyriphos @ 2.5 ml / litre of water to control **pseudo stem weevil**.

- Attack of **Leaf gall** and **thrips** is reported in **pepper**. Spray Monocrotophos or Dimethoate @ 0.05 % after current spells of rainfall to control the pests.
- Attack of **mahali disease**, **coried bug** and **red palm weevil** is reported in **coconut**. Spray blitox @ 4 gm / litre / palm after current spells of rain to control **mahali disease**. Spray entire crown of the young bunches with Carbaryl @ 2 gm / litre of water excluding leaves and older bunches. Spraying may be avoided to the receptive phase of the female flowers. Apply neem cake @ 5 kg/ palm. Spraying of chemicals may be undertaken after current spells of rain to control **coried bug**. Use Pheromone trap after current spells of rainfall for controlling **red palm weevil**.
- Rainfall is likely to occur at many places in the State for the next three days. Under the circumstances, postpone irrigation to plantation crops and pepper. Arrange for drainage facilities to avoid water stagnation due to excess rainfall.
- Continue fertilizer application in **pepper**, **rubber** and **banana** after current spells of rain.

Tamilnadu

Rainfall occurred at isolated places over the State on 24th, 25th & 26th July.

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

Advisories

- There was no significant rainfall in the state and rainfall is likely to occur at a few places only over the State for the next three days. Under the circumstances, apply irrigation to **cotton**, **early/mid sugarcane** and **millets**.
- Harvesting of late season **sugarcane** may be continued.
- Farmers are advised to prepare the field and take up sowing of *kharif* crops like **black gram**, **green gram**, **groundnut**, **sorghum** and **kar/kuruvai rice** nursery.
- Incidence of **internode borer** has been reported in **sugarcane**. Release *Trichogramma chilonis* @ 5 cc/ha parasite on a non rainy day to control the pest. Repeat after 15 days.
- Incidences of **mite** attack are reported in **millets**. Spray wettable sulphur on a non rainy day to control mites.
- **Stem borer** egg masses and **thrips** have been reported in already **sown nursery rice (kar/kuravai)**. Collect and destroy egg masses as a preventive measure.

Karnataka

Monsoon was weak over Coastal Karnataka on 26th July. Over North Interior Karnataka it was weak on all the days.

Rainfall occurred at most places on 24th July, at a few places on 25th July and at isolated places on 26th July over Coastal Karnataka. Over North Interior Karnataka, rainfall occurred at many places on 24th July and at isolated places on 25th & 26th July. Over South Interior Karnataka, rainfall occurred at most places on 24th July, at a few places on 25th July and at isolated places on 26th July.

Rain/thundershowers are likely at many places over Karnataka.

Advisories

- Postpone irrigation and top dressing of Nitrogen in sugarcane as rain/thundershowers are likely to occur at many places.
- Farmers are advised to continue sowing of *kharif* rice by utilizing the monsoon showers.
- Release predators like *Dipha* sp, after current spells of rain, adopt wider spacing and intercropping

with soyabean and pulses of short duration for ratoon crop in Mysore, Mandya, Hassan, Bidar & Bagalkote districts to control wooly aphids in sugarcane

Andhra Pradesh

Southwest Monsoon was active over Coastal Andhra Pradesh on 22nd July, over Telangana and Rayalaseema on 26th July. Rain occurred at many places over Telangana on 23rd July and at a few places over Coastal Andhra Pradesh on 21st, 23rd July and from 25th, 26th July & over Telangana on 21st, 22nd & 24th, 25th July. It was isolated elsewhere over the state during the week.

Rain or thundershowers are likely at most places over Telangana and at many places over Rayalaseema and Coastal A.P.

Isolated heavy rain is likely to occur over Andhra Pradesh.

Advisories

- Sowing of *kharif* crops may be continued with monsoon showers. Arrange for drainage facilities in case of heavy rainfall.
- Monitor rice nursery for pests. Spray chemicals after spells of rain.

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

Assam

Light to moderate rain occurred at many places during the period with isolated heavy to very heavy falls on 26th July and isolated heavy falls 25th July over the state.

Generally cloudy sky during the period.

Rain/thundershowers are likely to occur at many places over the state.

Advisories

- As rain / thundershowers are likely at many places over the State, postpone irrigation, intercultural operation and application of fertilizer and plant protection measures to sugarcane, summer vegetables, jute, maize, regular *ahu* rice and early sown arhar.
- Make arrangement for draining out excess water from the crop fields under prevailing weather condition. Maintain 5 – 7 cm water in regular *ahu* rice fields.
- Postpone harvesting of matured crops of early *ahu* rice under prevailing weather condition.
- Drain out excess water and continue sowing of arhar and sowing / transplanting of *Sali* rice. Select variety T-21 for sowing of arhar.
- Infestation of pest (stem borer) and diseases is reported in sugarcane in a few localities. Spread of stem borer attack can be checked by burning of infested canes. Phosphomidon @ 1 ½ ml per litre of water 400-500 ml per bigha. (or) Endosulfan 1-1.5 litre per bigha @ 2 ml per litre of water can be applied two-three rounds fortnightly starting from the rush egg lying.
- Infestation of pest and diseases is reported in few localities in Arhar. To control pod borer spray Malathion 50 EC @ 1.5 ml per litre of water or Fenitrothion 50 EC @ 2ml per litre of water after current spells of rain.
- Infestation of pests and diseases (fruit fly and powdery mildew) is reported in summer vegetables.
- Infestation of pest and diseases is reported in few localities in Maize and jute.

West Bengal

During the last week SW Monsoon been weak over Gangetic West Bengal on 24th July and active over

Sub Himalyan West Bengal on 26th July. During this period heavy to very heavy rain occurred at isolated places and rainfall occurred at most places over Sub Himalyan West Bengal on 24th July. Rainfall occurred at many places on 25th July and heavy to very heavy at isolated places on 26th July over Sub Himalyan West Bengal. But during the same period rainfall occurred at isolated places over Gangetic West Bengal on 24th and 25th July. Heavy rain occurred at isolated places and moderate at a few places over Gangetic West Bengal on 26th July.

Rain / thundershowers are likely at many places over the State. Rainfall activity is likely to increase further during next 3 days.

Isolated heavy falls likely over Gangetic West Bengal.

Advisories

- Due to heavy rain during first fortnight of July, crops were affected in some parts of Murshidabad and Nadia districts. The farmers over these areas are advised to prepare rice nurseries in relatively upland areas and the aged seedlings may be transplanted in the field after the receding of flood water. Short duration varieties of rice and groundnut may also be used if receding of flood water will be delayed.
- As rain / thundershowers are likely at many places over the State, postpone intercultural operation, irrigation and application of fertilizer and plant protection measures to sugarcane, green gram, aus rice and jute.
- Drain out excess water and maintain 5 – 7 cm water in the *aus rice* field.
- Continue land preparation and sowing of groundnut and nursery sowing / transplanting of *aman rice*. Make arrangement for draining out excess water from the field.

Bihar

Light rain occurred at few places over the State during last week. Heavy rainfall occurred at one or two places in the State on 26th July.

Rain/Thundershowers likely to occur at many places over the State. Rainfall activity is likely to increase further during next 3 days.

Advisories

- As rain/thundershowers are likely to occur at many places over the State for the next three days, postpone irrigation to vegetables, maize, pulses, and oilseed crops.
- Postpone application of top dressed Nitrogen in maize, pulses and oilseeds.
- The farmers are advised to prepare rice nurseries in relatively upland areas and the aged seedlings may be transplanted in the field after the receding of flood water. Short duration varieties of rice may also be used if receding of flood water will be delayed.
- Make arrangement for quick drainage of excess water in standing crops.

Jharkhand

Rain occurred at a few places.

Rain / thundershowers are likely at many places over the state. Rainfall activity is likely to increase further during next 3 days.

Advisories

- Nursery sowing/transplanting of rice may be continued.
- Continue sowing of upland crops like rice, maize, finger millet, groundnut, arhar, and urad etc.
- Arrange to provide drainage in standing crops.

Sikkim

Sky remained cloudy during the period. Nearly heavy to moderate rain occurred at most places on 25th & 26th July and light rain occurred at few places over East Sikkim on 24th July during the period.

Rain/thundershowers will occur at many places over the State. Rainfall activity is likely to increase further for the next three days.

Advisories

- Rain/thundershowers are likely to occur at many places over the State for the next three days. Under the circumstance, postpone irrigation to orange, maize, potato and large cardamom crops.
- Monitor ginger crop for rhizome rot and bacterial wilt due to excess rains.
- Rouge out chirke and foorkey affected large cardamom plants and destroy them by burning.
- Arrange for drainage facilities in case of excess rainfall.

Arunachal Pradesh

Rain/Thundershower occurred at most places on 24th and 25th July at many places on 20th, 21st, 22nd, 23rd and 26th July. Sky remained cloudy over the state during the week.

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

Advisories

- Complete harvesting of matured summer vegetable crops.
- Maintain required depth of standing water in wet seeded rice field.
- Continue sowing of new ginger crop in some parts of high altitude, middle area and foothills of Arunachal Pradesh.

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

Gujarat

Monsoon was active over the State, Diu, Daman, Dadra Nagar Haveli on 24th July. Rainfall occurred at many places over Gujarat region, Daman, Dadra Nagar Haveli, at a few places over Saurashtra & Kutch on 25th July. Rainfall occurred at many places over South Gujarat region, Dadra Nagar Haveli, at few places over Saurashtra & isolated places over North Gujarat region, Daman, Kutch, Diu on 26th July.

Rain/thundershowers are likely to occur at a few places over Gujarat state.

Advisories

- As there was excess/normal rainfall in all the districts of the State except Anand, Baroda, Dahod, Dangs, and Narmada during last week and rain / thundershowers are likely at a few places over the State for next three days, apply irrigation to sugarcane, Kharif groundnut, Kharif bajra, Kharif maize, pre-monsoon irrigated cotton and Kharif cotton depending on the soil profile stored moisture. Apply irrigation in the above mentioned districts in a non rainy day.
- Heavy earthing up operation may be carried out in sugarcane after 5–6 months from sowing. Apply remaining 4th dose of N @ 87.5 kg / ha to the crop. Perform these operations on a non-rainy day under prevailing weather condition.
- Undertake intercultural operation and hoeing in early sown crops on a non-rainy day to keep the field weed free.

Chattisgarh

Rain / thundershowers are likely at many places over the region. Increase in rainfall activity likely during next 3 days.

Isolated heavy falls likely over the region. Widespread rainfall with heavy to very heavy fall likely over the region.

Advisories

- As rain / thundershowers are likely at many places over the State with heavy rainfall at isolated places, under the circumstances postpone inter cultural operation, irrigation and application of fertilizer and plant protection measures to sugarcane and early sown summer vegetables, green gram and black gram.
- Continue land preparation on a non-rainy day and sowing of *Kharif* vegetables, red gram, green gram, black gram, soybean, groundnut and nursery sowing of *Kharif* rice with the use of monsoon rain.
- Select early varieties like IR 36, MTU 1010, Purnima, Danteshwari etc or medium varieties like IR 64, Mahamaya, Bambleswar, MTU 1001 etc for rice and varieties like Asha, B.D.N-2, Laxmi -148, C-11 of red gram, J- 851, Pusa Vishal, BM-4, Malvia Jyoti 12 of green gram, KU – 96-3 TPU -4, TU -94-2, PU -30 of black gram, JS – 335, JS – 93-05, JS – 80-21 and Indira Soya – 9 of soybean and SB11, AK-24, TAG-26, AK- 159 of groundnut for sowing.

Maharashtra

Monsoon was active in East Vidarbha on 25th July. Rainfall occurred at most places over Konkan, Madhya Maharashtra & East Vidarbha, at few places over West Vidarbha & Marathwada.

Rain / thundershowers are likely at many places over Konkan & Goa, Madhya Maharashtra, Vidarbha and at a few places over Marathwada. Isolated heavy falls likely over Vidarbha.

Widespread rainfall with heavy to very heavy fall likely over Maharashtra including Goa from 30th July.

Advisories

- As there was no significant rainfall during the last week and rain / thundershowers are likely at a few places over Marathwada for the next three days, apply irrigation to Sugarcane, Cotton (irrigated) and also to early sown Jowar, *Kharif* groundnut, bajra, soybean, sunflower, *kharif* cotton, tur and moong crops in a non rainy day. As rain / thundershowers are likely at a many places over Konkan & Goa, Madhya Maharashtra, and Vidarbha postpone irrigation to the crops.
- For the control of White Wooly Aphids in sugarcane release 2500 eggs or larvae of *Chrysoperla Carnea* or *Konobatra aphidivora* parasite on the leaves or spray Endosulphan @ 1 ml. plus Metasistox @ 1 ml. mixed in 1 liter water on a non-rainy day in Marathwada and postpone in Konkan & Goa, Madhya Maharashtra, and Vidarbha.
- Complete sowing of jowar, *Kharif* groundnut, bajra, soybean, sunflower, *kharif* cotton, tur and moong in Madhya Maharashtra, Marathwada and Vidarbha.
- Select the hybrid varieties from CSH 1, 5, 6, 9, 14, 17, 18, 23, CSH 8 R, SPV 86, 462, 946, PKV 801, 809 and SPH 388 for jowar and the varieties from SB 11, Phule Pragati, TMV 10, TAG 26, JL 24, JL 2620 and TPG 41 for *kharif* groundnut.
- Select the varieties from Saburi, BJ 104, BK 560, BD 763, WCC 75 and ICTP 8203 for bajra, from PKV 1, TAMS 38, MAUS 47, 61, 71 or 81, Phule Kalyani and Samruddhi for soybean and from EC 68414, Morden, SS 56, KBSH 11, Surya, PKV SF 9, or 27, SCH 35 for sunflower.
- Select the varieties from PA 402, American PH 348, Phule 492 or 388, JLH 168, JLA 794, Ganga, Parbhani Sona for *kharif* cotton, from T – Vishakha 1, TAT 10, Akola Hybrid 1, Vaishali 853, IPPL 87, AKT 8811, BDN 1& Vipula for tur and from TAP 7, TARM 2 or 18, AKM 8802 or 8803 for moong.
- Undertake intercultural operation in early sown crops on a non-rainy day in Marathwada and postpone in Konkan & Goa, Madhya Maharashtra, and Vidarbha.

Madhya Pradesh

Rainfall occurred at most places on 24th July and at many places on 25th July in South East M. P., at a few places in west M.P. on 24th July, South west M.P. on 25th July and over the state on 26th July and at isolated places in North East M.P. on 24th July and North M.P. on 25th July.

Rain / thundershowers are likely at many places over East Madhya Pradesh, at a few places over West Madhya Pradesh. Increase in rainfall activity likely during next 3 days.

Isolated heavy falls likely over East Madhya Pradesh.

Advisories

- Continue sowing of rice and other *kharif* crops viz., cotton, maize, soyabean, urad, rice, jowar.
- As rain / thundershowers are likely at many places over East Madhya Pradesh, at a few places over West Madhya Pradesh with isolated heavy falls likely over East Madhya Pradesh, for next three days, postpone irrigation to sugarcane and moong in East Madhya Pradesh and irrigate in a non rainy day in west Madhya Pradesh.
- Make arrangements to drain out excess water in standing crops.

Orissa

Rain fall occurred at many places over the State on 26th July and at isolated places on 19th July. Heavy to very heavy rain fall occurred at isolated places on the remaining days.

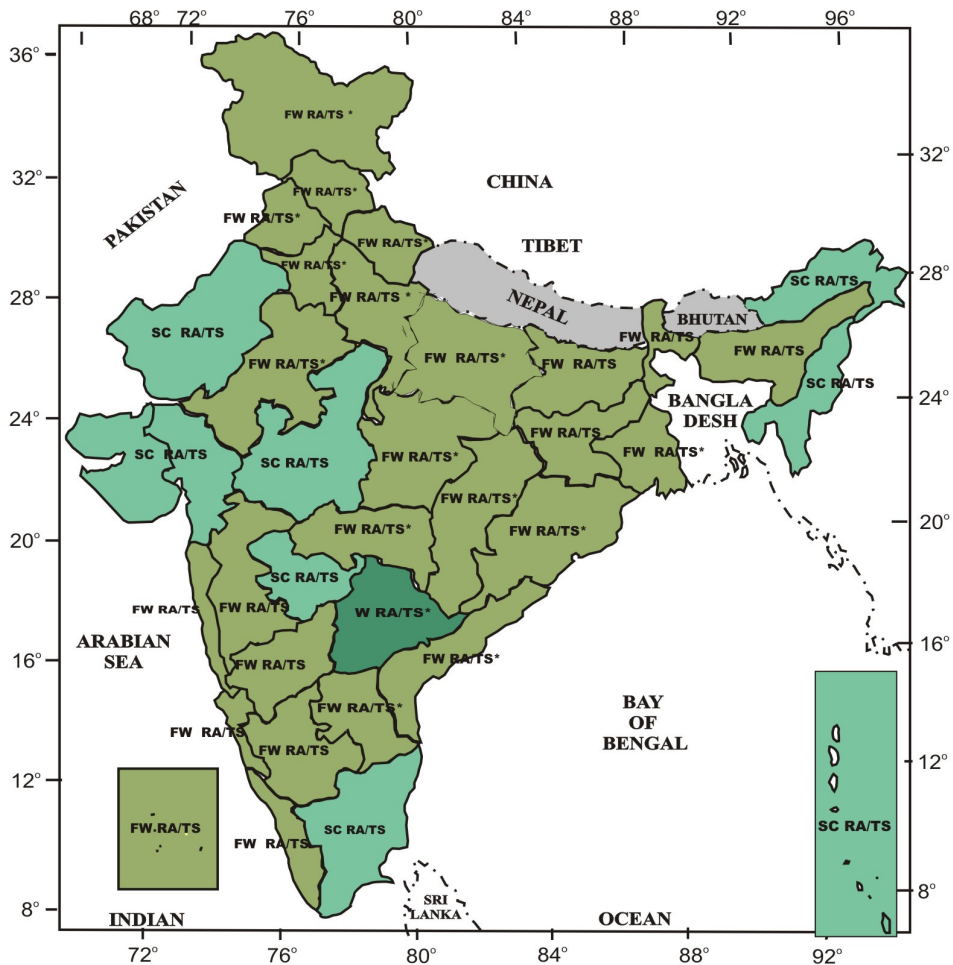
Rain/thundershowers are likely at many places over Orissa. Rainfall activity is likely to increase further during next 3 days

Isolated heavy falls likely over the region.

Advisories

- Farmers are advised to continue land preparation and sowing of *kharif* crops like rice, groundnut and pulses after current spells of rain.
- Orissa has received excess rain during last week, Also, Rain/thundershowers are likely at many places over the region and Rainfall activity is likely to increase further during next 3 days. Under the circumstances, postpone irrigation to vegetables, sugarcane and jute crops.
- At five months stage of sugarcane crop perform propping by combining plants of two rows so that the crops do not lodge by wind.

Forecast valid upto 30th July, 2006



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 26/07/06

METEOROLOGICAL ANALYSIS

1. Under the influence of last week's upper air cyclonic circulation over Gangetic West Bengal & neighbourhood, a low pressure area formed over Jharkhand & neighbourhood with associated cyclonic circulation extending upto mid-tropospheric levels on 20th. It lay over Jharkhand & adjoining East Uttar Pradesh and north Chhattisgarh on 21st; over central parts of north Madhya Pradesh and adjoining Uttar Pradesh on 22nd, over north Madhya Pradesh and adjoining East Rajasthan on 23rd and became less marked on 24th.
2. While the western end of the monsoon trough was lying to north of its normal position, the eastern end continued to remain in its normal position extending to north Bay of Bengal.
3. An upper air cyclonic circulation lay over southwest Bay of Bengal and adjoining coastal Tamil Nadu extending upto 1.5 km a.s.l. on 25th. It persisted on 26th extending between 3.1 and 5.8 km a.s.l.

4. A cyclonic circulation lay over central Uttar Pradesh and neighbourhood extending upto 3.1 km a.s.l. and tilting southwestwards with height on 24th and persisted upto 26th.

RAINFALL

Under the influence of the above systems:

1. The southwest monsoon was active/vigorous over west coast on 20th & 21st, Maharashtra, Goa, west Madhya Pradesh on 22nd & 23rd; Gujarat state from 22nd to 24th; many parts of eastern India during 20th to 22nd; hilly regions of northwest India on many days and parts of southeast Peninsula on 26th.
2. Fairly widespread/widespread rainfall with isolated heavy to very heavy falls also occurred over many parts of eastern India except Bihar and over adjoining central India during 20-22 July.
3. Fairly widespread/widespread rainfall with isolated heavy to very falls occurred over Coastal Karnataka, Maharashtra, Goa, Gujarat State, west Madhya Pradesh, East Rajasthan, Assam, Meghalaya and Arunachal Pradesh on many days of the week.
4. Fairly widespread/widespread rainfall with isolated heavy to very heavy falls occurred over Himachal Pradesh and Uttaranchal on the many days and over Punjab, Haryana, Chandigarh & Delhi on last day of the week.
5. Fairly widespread/widespread rainfall with isolated heavy to very heavy falls also occurred over Coastal Andhra Pradesh, Assam & Meghalaya, Arunachal Pradesh and Telangana during the last 2 days of the week.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 26TH JULY, 2006)

Rainfall was excess/normal in 13 and deficient/scanty in 23 out of 36 meteorological sub-divisions (Actual: 59.4 mm, Normal: 68.1 mm and Departure: -13%).

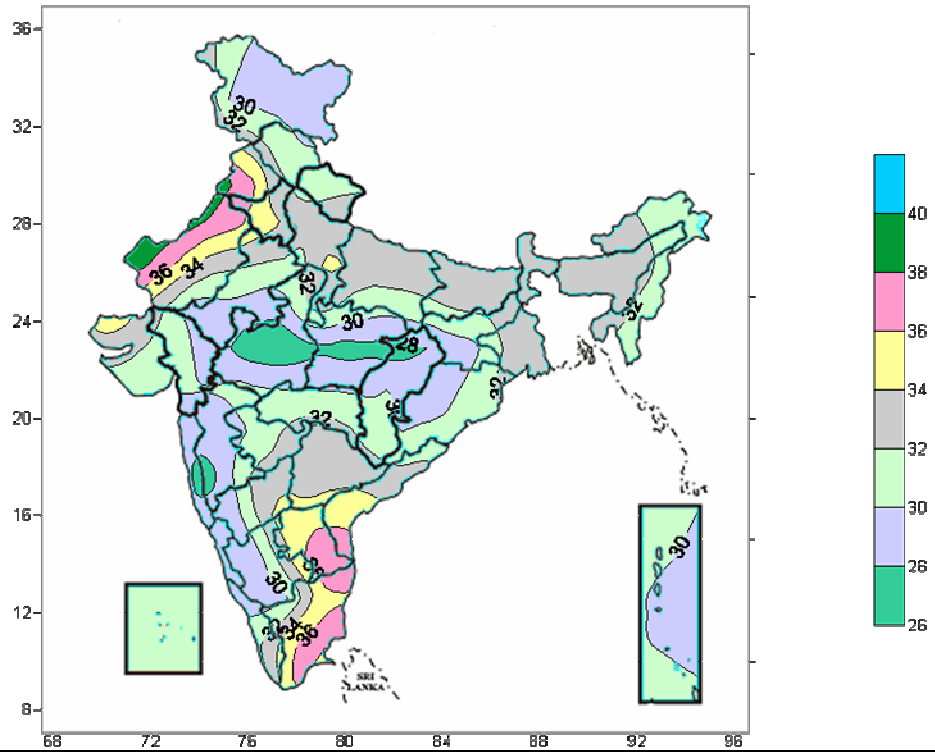
CUMULATIVE SEASONAL RAINFALL (1ST JUNE TO 26TH JULY, 2006)

Rainfall was excess/normal in 22 and deficient/scanty in 14 out of 36 meteorological sub-divisions. (Actual: 352.1 mm, Normal: 408.1 mm and Departure: -14%).

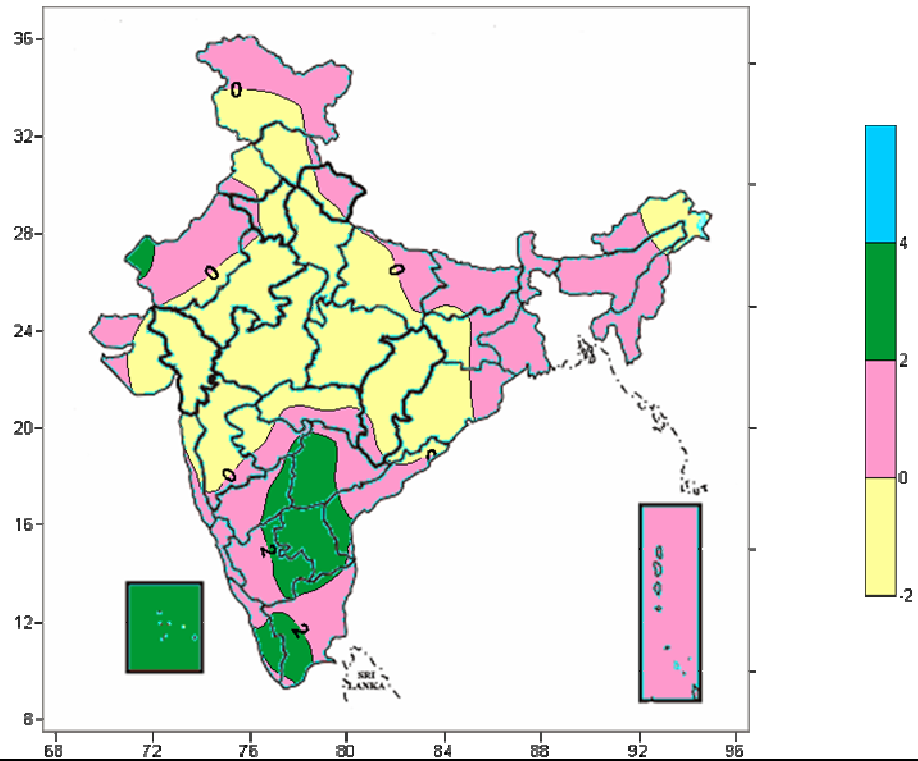
OUTLOOK FOR THE WEEK ENDING ON AUGUST 2ND, 2006

1. Due to likely formation of a low pressure area over northwest Bay of Bengal around 28th and its subsequent movement west-northwestwards across central India, enhanced rainfall activity is likely over East and adjoining Central India.
2. Decrease in rainfall activity likely along the foothills of Himalayas, Indo-Gangetic plains and northeastern States.
3. Increase in rainfall activity along the west coast.

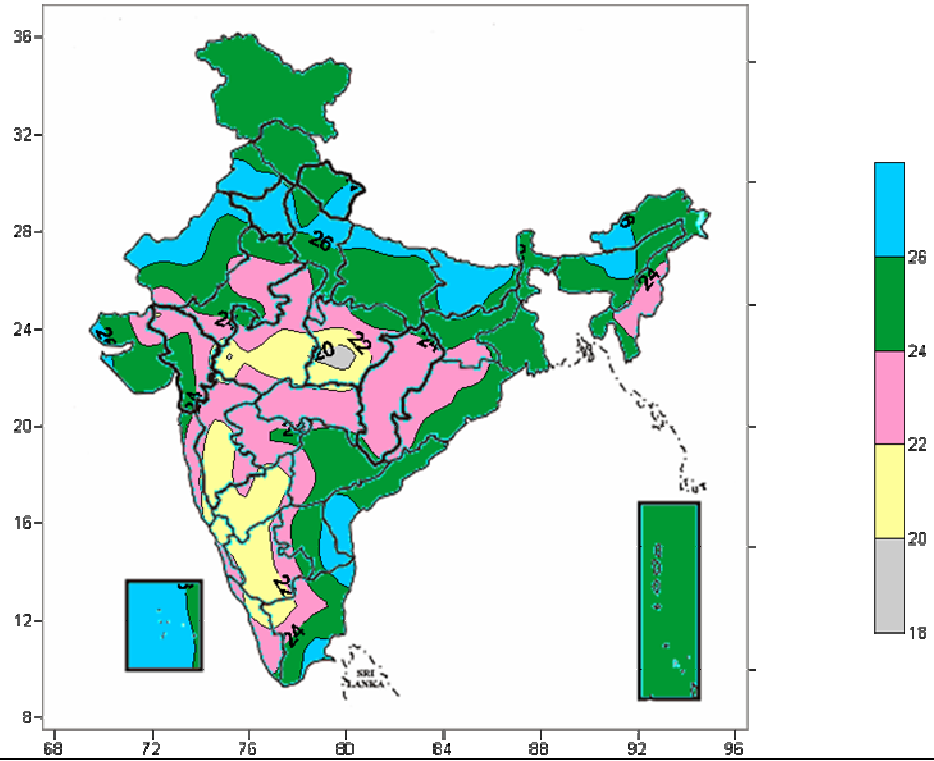
Actual mean maximum Temperature (°C) in India for the week ending 26.07.06



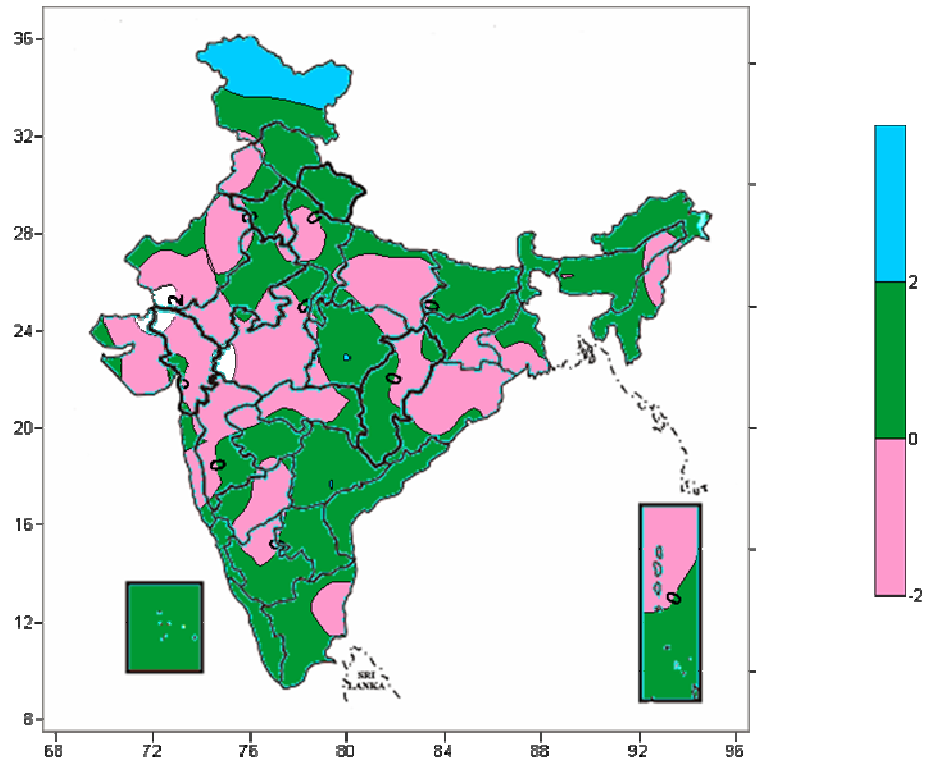
Maximum Temperature (°C) Anomaly in India for the week ending 26.07.06



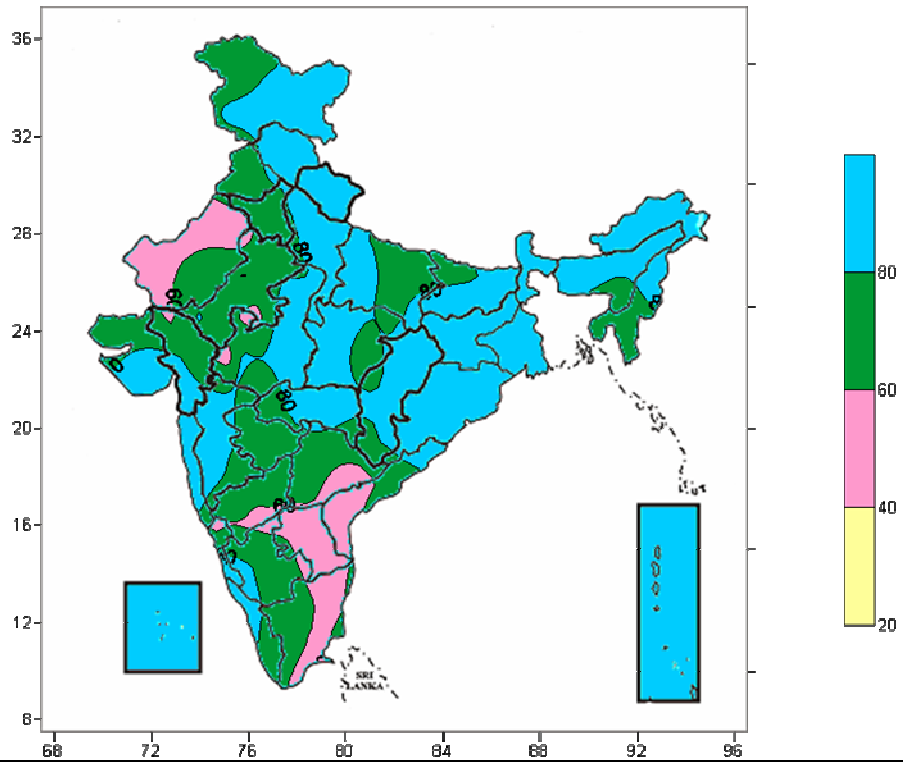
Actual mean Minimum Temperature ($^{\circ}\text{C}$) in India for the week ending 26.07.06



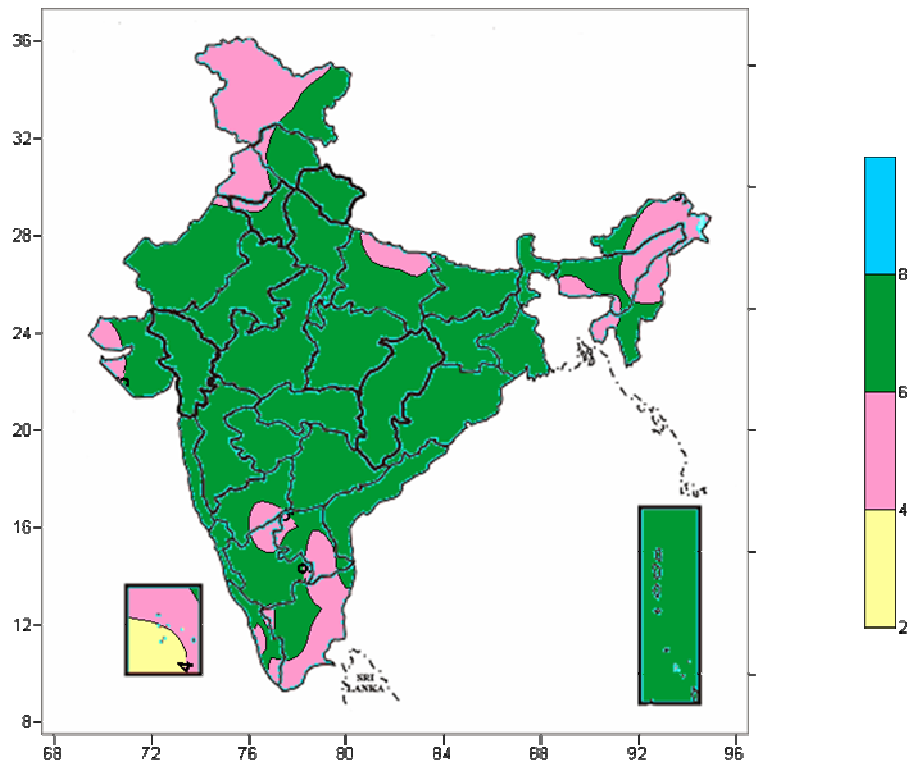
Minimum Temperature ($^{\circ}\text{C}$) Anomaly in India for the week ending 26.07.06



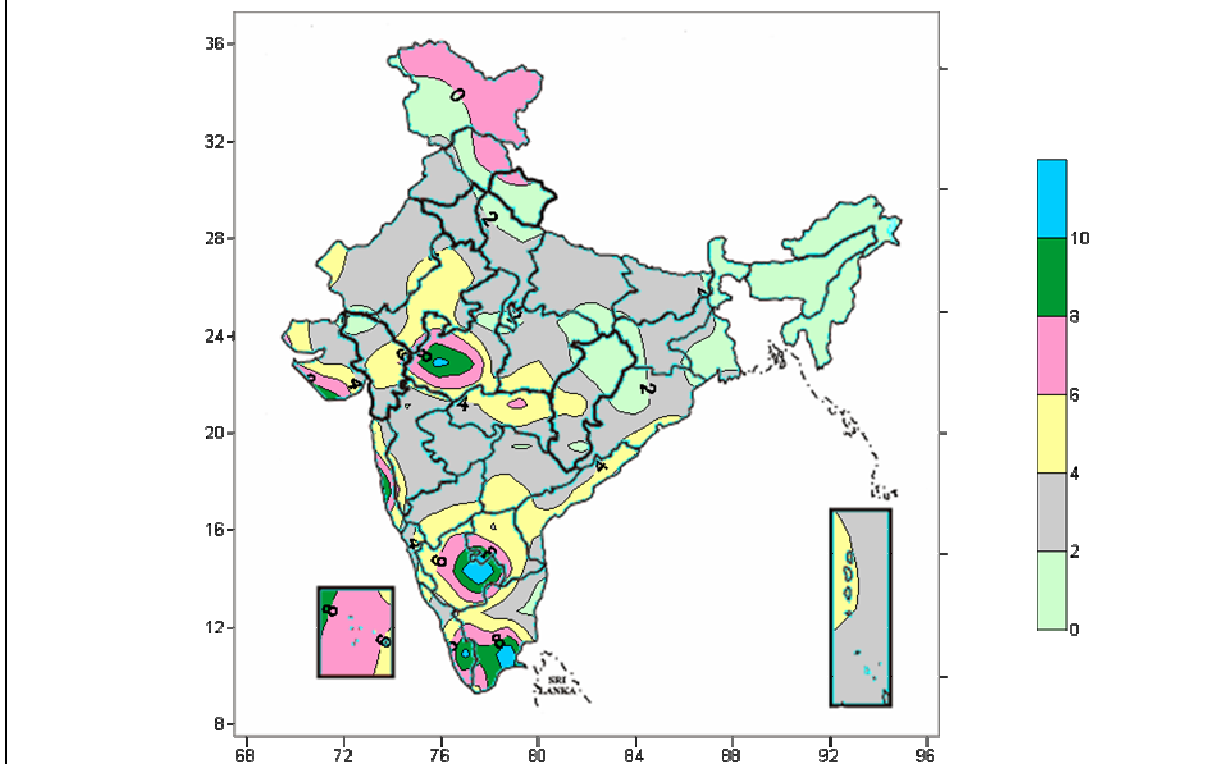
Relative humidity (%) over India for the week ending 26.07.06



Cloud amount (okta) over India for the week ending 26.07.06



Wind speed (knots) over India for the week ending 26.07.06



Desert Locust Forecasting



Station Name	Rainfall (mm)						
	20.7.06	21.7.06	22.7.06	23.7.06	24.7.06	25.7.06	26.7.06
Amritsar	3.0	-	-	-	3.4	-	4.7
Barmer	-	-	-	-	5.6	-	-
Sriganganagar	-	-	-	-	-	-	0.5
Jaisalmer	-	-	-	-	-	-	-
Kota	-	29.7	24.9	4.5	17.8	8.1	3.6
Deesa	-	0.8	17.4	34.3	3.8	-	-
Churu	0.3	-	-	-	-	-	2.4

Temperature (degree celsius)							
Station Name	20.7.06	21.7.06	22.7.06	23.7.06	24.7.06	25.7.06	26.7.06
Amritsar	27.0	29.5	32.0	32.0	30.0	29.0	25.5
Barmer	32.5	32.5	30.5	33.0	31.0	30.5	31.0
Sriganganagar	34.0	36.0	35.0	35.0	35.0	35.5	32.5
Jaisalmer	33.5	33.5	34.5	36.0	34.5	33.5	33.0
Kota	31.5	27.0	27.5	29.5	28.5	28.0	29.5
Deesa	27.5	28.0	25.0	26.0	26.5	31.0	27.5
Churu	-	-	-	-	-	-	-

Wind														
Station Name	20.7.06		21.7.06		22.7.06		23.7.06		24.7.06		25.7.06		26.7.06	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
Amritsar	15	SE	08	SE	-	-	-	-	-	-	-	-	-	-
Barmer	-	-	-	-	-	-	-	-	07	ESE	08	SE	-	-
Sriganganagar	07	WNW	04	ENE	-	-	-	-	03	ESE	09	SW	-	-
Jaisalmer	17	SSW	03	NE	-	-	-	-	08	ESE	07	SE	-	-
Kota	17	NW	-	-	-	-	-	-	-	-	08	N	20	WNW
Deesa	06	SSW	-	-	-	-	-	-	-	-	-	-	-	-
Churu	27	NW	07	NE	-	-	-	-	08	ESE	02	W	17	W

As rainfall was reported in some parts of Punjab, Rajasthan & Gujarat in this week there is mild chance of occurrence of locust incidence. It is advised to make continuous monitoring of the incidence of locust in north-western region of the country.

CROP – STATE – STAGE

Delhi				
Vegetable crops	Kharif vegetables	Arhar	Early sown arhar	Green gram, black gram
Flowering / fruiting / harvesting	Transplanting	Sowing	Germination / early vegetative/vegetative	Pod formation
Fodder (jowar, bajra)	Fodder (Mixed maize , Lobia)	Maize	Early sown maize	Rice
Sowing	Vegetative	Land preparation & sowing	Germination / seedling / early vegetative	Land preparation / transplanting/early vegetative
Bajra	Early sown bajra	Summer vegetables	Transplanted rice	Early sown maize
Land preparation & sowing	Germination / seedling / early vegetative	Transplanting	Early vegetative	germination / seedling / early vegetative

Haryana				
Sunflower	Sugarcane	Paddy	Maize	Cotton
Harvesting	Vegetative	Transplanting	Sowing / Germination	Vegetative
Bajra	Kharif pulses / groundnut	Horticultural crop		
Sowing	Sowing	Vegetative/fruiting		

Himachal Pradesh				
Rice	Maize	Apple	Tomato, brinjal, ladies finger	Fodder crops
Transplanting	Vegetative	Maturity / harvesting	Vegetative/flowering/ fruiting / harvesting	Vegetative
Moong / Mash	Fruit plants	Other varieties of Apple		
Pod development	fruiting	Fruit development		

Jammu & Kashmir				
Vegetables crops	Rice	Maize	Kharif crops	
Vegetative	Vegetative/ tillering	Vegetative	Early vegetative / vegetative	
Punjab				
Sugarcane	Paddy	Maize	Cotton	Kharif pulses / groundnut
Vegetative	Transplanting/vegetative	Sowing / germination	Vegetative	Sowing
Rajasthan				
Cotton	Groundnut	Bajra / Maize / Soyabean / Pulses		
Vegetative	Germination/seedling	Sowing		
Uttar Pradesh				
Ealy sown Pulses	Kharif Pulses (Urad & Moong)	Sugarcane	Kharif Vegetables	Summer vegetables
Seedling	Sowing	Vegetative	Sowing/transplanting	Fruiting / harvesting
Mango	New Mango	Kharif rice	Early sown Oilseeds	Kharif Oilseeds (Til, Soybean, Groundnut)
Harvesting	Active growth	Transplanting	Seedling	Sowing
Kharif Maize, Jowar, Bajra	Early sown crops (jowar, bajra)			
Sowing	Seedling/early vegetative			
Uttaranchal				
Rice & cauliflower	Mango	Lady's finger / French Bean	Sugarcane	Chilli & Tomato
Seedling	Maturity	Fruiting	Tillering	Fruiting / maturity
Apple				
Fruit growth/maturity				
Assam				
Maize	Sugarcane	jute	Summer vegetables	Early ahu rice
cob formation / maturity	Vegetative /cane formation	Vegetative/maturity	Maturity / harvesting	Grain maturity / harvesting
Early Arhar	Arhar	Sali rice	Regular ahu rice	
Germination/seedling/early vegetative	Sowing	sowing / transplanting	tillering / panicle initiation / flowering / grain formation	
Arunachal Pradesh				
Wet seeded rice	ginger	millet	Summer vegetables	Jhum Paddy
Panicle initiation/flowering	Sowing	Harvesting	Harvesting	Grain formation stage
Bihar				
Vegetables	Rice	Maize	Pulses and Oil seeds	
Vegetative	Sowing/ Seedling/ Transplanting	Vegetative	Vegetative	
Jharkhand				
Rice	Upland crops (rice, maize, groundnut, arhar, urad)		Finger millet	Maize
Sowing/transplanting	Sowing		Sowing/transplanting	Sowing
Kharif vegetables (Tomato, Cabbage, Cauliflower, Brinjal, Chilli)	Upland crops (Early sown crops)		(Early sown crops) Finger millet	
Sowing	Seedling		Seedling	
Sikkim				
Orange	Rice	Large Cardamom	Kharif vegetables	Potato
fruiting	Vegetative (low hills) tillering (high hills)	Seed development	Vegetative	Tuber harvesting (in low & mid hills)
Maize	Ginger			
Grain development	Vegetative			
West Bengal				
Aus rice	Sugarcane	Jute	Green Gram	Aman rice
Panicle initiation/ flowering	Vegetative	Vegetative	Vegetative / Flowering	Nursery sowing / transplanting
Groundnut				

Sowing				
Chattisgarh				
Chilly, Brinjal, Ladies finger, (summer veg.- Vegetative / flowering / fruiting / harvesing)	Kharif Vegetables Sowing / transplanting	Sugarcane Vegetative	Kharif rice Land preparation & nursery sowing / transplanting	Soybean Sowing
Green gram / Black gram(early sown) Vegetative / flowering / pod formation	Blackgram / Greengram Sowing	Groundnut Sowing	Red Gram Sowing	Kharif vegetables sowing / transplanting
Kharif rice Land preparation/nursery sowing/transplanting				

Gujarat				
Kharif Maize Germination/ seedling/ early vegetative	Premonsoon irrigated Cotton Vegetative	Kharif groundnut Germination/seedling/early vegetative	Early sown groundnut Germination/ seedling/ early vegetative	Sugarcane Vegetative / elongation
Kharif Cotton Germination/ Seedling/early vegetative	Early sown cotton Germination/ early vegetative	Kharif bajra Germination/ seedling/ early vegetative	Early sown bajra Germination/ seedling/ early vegetative	Kharif Rice Transplanting

Maharashtra				
Kharif Groundnut / Cotton / sunflower Germination/early vegetative	Tur Germination/early vegetative	Irrigated Cotton Vegetative	Sugarcane (Seasonal) Early vegetative	Bajra (Madhya Maharashtra, Marthwada and Vidarbha) Germination/early vegetative
Jowar Germination/early vegetative	Kharif sunflower Germination/early vegetative	Soyabean Germination/early vegetative	Kharif rice (Konkan) Seedling / transplanting/early tillering	Kharif rice (Madhya Maharashtra, Marathwada & Vidarbha) germination / seedling / transplanting
Moong Germination/early vegetative				

Madhya Pradesh				
Sugarcane vegetative	Moong Vegetative / flowering	Kharif crops (Maize, jowar, cotton, urad, tur) Seedling	Kharif Soyabean Seedling	Kharif rice Sowing/germination
Kharif rice (Early sown) Transplanting				

Orissa				
Vegetables Sowing / nursery	Earlier sown vegetables Flowering / fruiting / harvesting	Early sown Groundnut Germination / early vegetative/vegetative	Groundnut Sowing	Sugarcane (pre-seasonal) Vegetative/tillering
Kharif rice Sowing / nursery sowing / transplanting	Pulses Sowing	Early sown Pulses Germination / early vegetative/vegetative		jute Vegetative

Andhra Pradesh				
	Kharif rice Nursery sowing	Kharif crops(Groundnut/Maize/Chillies/Cotton /Tur) Sowing		

Karnataka				
Early planted sugarcane	Sugarcane	Kharif crops (jowar, maize, cotton)	Kharif rice	Early sown

				rice
vegetative	Vegetative -ratoon crop	Early vegetative / vegetative	Nursery sowing	transplanting
New sugarcane	Groundnut			
planting	Vegetative stage			
Kerala				
Rubber	Virippu Rice			
Tapping	Tillering/Panicle initiation			
Tamil Nadu				
Rice (Navarai)	Millets	Summer irrigated cotton	Early & mid sugarcane	Late season sugarcane
Harvesting	Vegetative	Boll formation	Vegetative / Grand growth	Maturity / Harvesting
Rice (Kuruvai)	Pulses	Groundnut		
Nursery / Transplanting	Sowing	Sowing		