



**University of Agricultural and Horticultural Sciences, Shivamogga**  
**Agromet Advisory Services Bulletin**  
**for Chickmagalore District**  
**(Period 06.07.2024 to 10.07.2024)**



(Issued jointly by India Meteorological Department, New Delhi, GKMS, KSNUAHS, Navile, Shivamogga)

No.GKMSN/37/2024

Date: 05.07.2024

**Significant past weather for the preceding week (03<sup>rd</sup> July to 05<sup>th</sup> July 2024)**

PARAMETERS	03/07/2024	04/07/2024	05/07/2024
Rainfall (mm)	0	21	0
Maximum temperature (°C)	25.6	25.6	25.6
Minimum temperature (°C)	16.2	17	17
Total cloud cover (Octa)	4	4	4
Relative humidity at 0830 hrs (%)	87	88	90
Relative humidity at 1730 hrs (%)	73	71	69
Wind speed (km/hr)	10	10	10
Wind direction (Degree)	180	180	180

**Weather Forecast for the coming five days until 0830 hrs of 10.07.2024**

Weather Parameters	Day-1 (06/07)	Day-2 (07/07)	Day-3 (08/07)	Day-4 (09/07)	Day-5 (10/07)
Rainfall (mm)	26	29	15	15	8
Max Temp Trend (°C)	27	28	27	28	27
Min Temp Trend (°C)	19.1	18.9	17.5	18.1	17.4
Max. Relative Humidity (%)	89	91	93	91	92
Min. Relative Humidity (%)	75	73	81	71	76
Wind Speed (km/hr)	17	16	12	12	9
Wind Direction (Degree)	248	246	248	248	243
Total cloud cover (Octa)	8	8	8	8	8

**Summary of Weather Forecast for next Five days**

As per the forecast issued by the India Meteorological Department, New Delhi and Meteorological centre, Bangalore for Chikkmagaluru district moderate to heavy rainfall may continue over most parts of the district for coming five days. The maximum temperature would be 27.0-28.0 degree celsius and minimum temperature would be 17.4-19.1 degree celsius during next five days. The Morning Relative humidity (RH) would be 89-93 per cent and evening RH ranges from 71-81 per cent. Average wind speed will be 9-17 km/hr.

### General weather based Agro advisories

- Undertake sowing/planting operations.
- Paddy nursery preparation may continue.
- Avoid water stagnation in maize field provide proper drainage.
- Go for the application of fertilizers and manures for Coconut and Arecanut field.
- Postpone spraying of plant protection chemicals.
- Provide proper drainage in Arecanut and coconut fields and remove weeds on bunds and clean the drainage channels
- Green manuring crops like Sunhemp and Daincha can be grown in horticultural crops like arecanut, coconut sapota, etc.
- Deworming in livestock should be done.

### Agro Advisories

Crop	Stage	Management	Advisory
Paddy	Land preparation	-	<ul style="list-style-type: none"> <li>• Go for sowing of green manuring crops wherever the paddy growing area is available. Use 20-25 kg of Sunhemp or Dhaincha/ha seeds for sowing.</li> </ul>
	Nursery preparation	-	<ul style="list-style-type: none"> <li>• Go for nursery preparation and sowing by preparing 25 feet length and 4 feet width with the height of 4 inch beds (300 sq meter area/acre).</li> <li>• Use 25 kg seeds/acre and fertilizers, 750 kg FYM/ compost and 5.85 kg urea, 8.4 kg SSP, 2.25 kg Potash uniformly distribute in to 30 seed beds.</li> <li>• Use pre emergent herbicides like Butachlor 50 EC @ 75 ml/acre of area or 30 ml Pretilachlor + Safener/ acre with 30 litres of water spray immediately after sowing.</li> </ul>
Arecanut	Planting	-	<ul style="list-style-type: none"> <li>• Select 12 to 18 months old with atleast 5 leaves opened seedlings for newly planting, apply Farm yard manures and compost well before planting of seedlings.</li> <li>• Apply chemical fertilizers @ 100:40:140 gram Nitrogen, Phosphorus and Potash per plant for local varieties and for improved varieties apply 150:60:210 gram Nitrogen, Phosphorus and Potash per plant.</li> <li>• Apply 1/3rd of recommended fertilizers to one year old plants, 2/3rd for two year old plants and full dose for 3 year and above plants at two splits during May-June and November- December.</li> </ul>
Coconut	Fruiting stage	Root grubs	<ul style="list-style-type: none"> <li>• After receiving first monsoon shower, attract &amp; kill the adult grubs by using light traps during evening hours. Keep insecticides sprayed branches on the bunds of garden. Drench the 10 ml/lit Chloropyriphos 20 EC solution on each palm.</li> </ul>

Black pepper	Bud initiation	-	<ul style="list-style-type: none"> <li>Maintain sanitation in the field/farm. Provide adequate drainage facility wherever it is intercropped with Arecanut. Vines should be sprayed with Dimethoate 1.7ml/ltr if you notice sucking pests like Thrips or Scales. Add 5 to 10 kg of FYM/Compost &amp; 0.5kg to 1 kg of Neemcake to each vine. As it is a time of young bud initiation spray 19:19:19 (5 gm/ltr of water), Boron (1gm/ltr of water) &amp; Magnesium Sulphate (1 gm/ltr of water) or In order to stimulate flowering add 1kg of Pepper special &amp; 1kg of Mono Ammonium Phosphate to 200 ltr of water &amp; spray it.</li> </ul>
		New planting	<ul style="list-style-type: none"> <li>In order to establish new orchard in June dig a pit in May &amp; fill it with Red earth, Fym/compost &amp; neem cake. Better to apply fertilizer by the end of May.</li> </ul>
Mango	Fruiting stage	Fruit flies	<ul style="list-style-type: none"> <li>Advised to place 10 pheromone traps/ ha, for each trap keep 1 ml/litre of methyl eugenol + 1 ml/litre Melathion 50 EC or 1 ml/litre Dichlorovos solution @ 100 ml/trap. or Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.</li> </ul>
Ginger / Turmeric	Emergence stage	Leaf eating caterpillar	<ul style="list-style-type: none"> <li>Advised to go for spraying Dimethoate 30 EC @ 1.7 ml or 2 ml Melathion 50 EC/litre of water.</li> </ul>
Vegetable crops	Nursery preparation	-	<ul style="list-style-type: none"> <li>Right time for preparation of nursery for kharif. One week before sowing/ transplanting of vegetables add 3 kg of Tricoderma &amp; 3 kg of Pseudomonas to 100kg of FYM/Compost per acre to soil to avoid soil borne fungal diseases.</li> </ul>
Cattle/ sheep		Foot and mouth disease	<p><b>Main symptoms are slobbering and smacking lips, shivering, tender and sore feet, reduced milk yield, sores and blisters on feet, raised temperature</b></p> <p>Management</p> <ul style="list-style-type: none"> <li>Inject FMD vaccine</li> <li>Treat the infected cattle separately against FMD.</li> <li>Maintain cleanliness in the animal sheds.</li> <li>Avoid buying and selling of infected cattle.</li> </ul>
Calves		Round worms, Gastrointestinal nematodes and tapeworms	<p><b>symptoms of affected calves are, reduced growth, loss of weight, enlarged size of stomach, improper feed to dung ratio, lengthy hairs with spikes, hard or watery dung may be expected, infected calf are dull, reduced body temperature, 25-50% of calves may die due to this disease.</b></p> <p>Management</p> <ul style="list-style-type: none"> <li>Provide Piperazine syrup to the calves after 1, 2, 3 and 4 of its birth @ 5 to 30ml after the consultation with veterinary doctors.</li> <li>Provide Phenbendazole or Albendazole 150 MG tablets monthly one after the consultation with the doctors.</li> </ul>
Poultry			<ul style="list-style-type: none"> <li>As rainy season is heading forward keep chicks &amp; birds in a relatively warmer place or make the place warm by using electrical bulbs also. Deworming is must in this month. For all age groups of poultry birds including local, broiler and layers give one dose of vaccine against Newcastle/Ranikhet disease in drinking water (Lasota/ F-1 vaccine). Avoid unnecessary movement inside</li> </ul>

	poultry shed which will cause stress & heat to birds results in death of birds. Maintain free circulation of Air in poultry shed.
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