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Ref. No.F.(2)/Agromet/24
District: - Bikaner

Dated:04.06.2024

Weather Forecast and Agromet Advisory

Period 04th June 2024 to 08th June 2024

Weather review of last week: During this period the maximum temperature ranged between 44.0 to 46.0 °C and the minimum temperature ranged between 28.7 to 32.5°C. During this period, low wind speed observed with RH values of 20 % to 48%.	Weather forecast for the coming week: On the basis of the information received from the India Meteorological Department, New Delhi and Regional Meteorological Centre, Jaipur, weather for the next 5 days in Bikaner district (04.06.2024 to 08.06.2024) clear sky on 04.06.2024, partially cloudy on 05.06.2024 dense cloudy on 06.06.2024 & 07.04.2024 and overcast on 08.06.2024. T _{min} will possibly range between 29.0-32.0°C and the T _{max} is likely to remain between 41.0-44.0 °C. During this period, high winds velocity are likely to blow from then South-West directions.
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Weather Parameter	Date				
	04.06.2024	05.06.2024	06.06.2024	07.06.2024	08.06.2024
Rainfall (mm)	0	0	2	3	6
Cloud cover	Clear Sky	Partially Cloudy	Dense Cloudy	Dense Cloudy	Overcast
Temperature Maximum (° C)	44	43	42	41	41
Temperature Minimum (° C)	32	31	30	29	29
Wind direction	SW	SW	SW	SW	SW
Minimum Relative humidity (%)	16	21	17	19	17
Maximum Relative humidity (%)	46	50	46	46	42
Wind velocity(km/hr)	29	21	19	19	14
Cumulative rains (mm)	11.00				

Agro Advisory: Based on the weather review of last week and the weather forecast for this week, the following advice is given to the farmer.

Specific advisory	<p>There is a possibility of Heavy rain / Duststorm /Thunderstorm/ Lightning accompanied with Hail & Squall (Speed 50-60 Kmph) at isolated places in coming days.</p> <p>Store the grains and commodities kept in the open in the Krishi Mandies in a safe place so that they can be saved from getting wet.</p> <p>Stay away from trees, poles and water sources during thunder and lightning and take shelter in a safe place.</p> <p>Conserve every drop of water and moisture for future.</p> <p>Apply Gypsum or well decomposed compost along with deep ploughing before onset of monsoon to reclaim alkali/sodic soils.</p>
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Crop	Stage	Details	Agro Advisory
Groundnut	Preparation for sowing	Field preparation, sowing time and seed rate, fertilizers, varieties, seed treatment	Optimum sowing time of groundnut. Prepare land and arrange seed, fertilizer, implements etc. Use seed rate of groundnut at 20 kg per bigha. Keep row to row 30 cm spacing. Before sowing of ground nut, treat the seed with 2.5 g chlorothalonil OR 2.0 g carbendazim per kg seed and to control termite treat the seed with 3.0 ml/kg imidacloprid. Then treat the seed with rhizobium and PSB culture @ 3 packets/ha. Use 44 kg urea and 200 kg SSP fertilizers for one hectare area as basal dose at the time of sowing. Use certified seed of improved varieties as HNG-10, TG37A etc.
Cucurbit Vegetables	Fruiting	Picking	Picking of cucurbits should be done at proper stage. Changes in colour of fruit, drying of stalk near fruit, thumping sound etc are important symptoms of ripening of fruits. Do not pick up fruits just after (12-24 hours) after irrigation. Avoid plucking of unripe fruits.
Fodder sorghum	1st cutting	Reduce toxicity of fodder sorghum	April sown sorghum may be poisonous due 'DHURIN' content which is harmful for animals. Therefore, cut and feed the sorghum to the animals after providing 2-3 irrigations or just after good rains.
Livestock		Food, Nutrition and health	Provide good quality drinking water to animals. Prepare and fed protein rich high nutritive urea – molasses bricks as per the guidance of registered veterinarian
Grain storage			Store the grain at or below 8 per cent moisture. Old gunny bags should be used after dry in sun light. Go dawn should be crack less and be fumigated @3g Celphos per 200 cubic fit before storing the grain then closed air tight. Go dawn should be safe from rats.

**Assistant Professor and Technical Officer
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**Zonal Director Research and
Nodal Officer - Gramin Krishi Mausam Sewa**