



Akola District Agromet Advisory Bulletin No. : 52 / 2022-23

Day & Date : Tuesday 28.03.2023

Observed weather during last week (Dated 24 th March 2023 to 27 th March 2023)							Weather Parameters	Weather Forecast (Valid for 29 th March To 02 nd April 2023)				
21/03	22/03	23/03	24/03	25/03	26/03	27/03	Date	29/03	30/03	31/03	01/04	02/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	0	0
32.6	32.0	33.8	33.6	35.6	36.6	37.4	Tmax (°C)	37.4	37.7	37	36.4	36.6
16.8	16.8	15.2	18.0	18.4	19.2	16.2	Tmin (°C)	19	19.4	20.3	21	19.6
65	63	61	60	56	50	53	RH-I (%)	48	45	47	54	51
34	31	30	25	24	20	25	RH-II (%)	22	21	25	29	26
2.7	2.5	2.5	2.9	4.1	2.9	3.6	Wind Speed (km/hr)	4	5	5	6	4
N	E	Calm	N	Calm	NW	Calm	Wind Direction	326	300	332	334	259
Clear	Clear	Clear	Clear	Clear	Clear	Clear	Cloud cover	PC	PC	PC	Cloudy	Cloudy
Rainfall (mm) in last week				Rainfall (mm) from 01/06/2022 to till date			Rainy Days (No.) from 01/06/2022 to till date					
11.0				1175.2			54					

Crop	Stage	Weather Based Agro Advisory
Forecast	-	<ul style="list-style-type: none"> Today's forecast for the district indicates mainly dry weather during 28 March to 01 April.
Summer tillage	Harvest	<ul style="list-style-type: none"> Taking advantage of the available moisture in the soil, deep summer ploughing of harvested fields to expose the hibernating insects, larvae/pupa to sun and predator birds is advisable.
Summer Groundnut	Peg formation/penetration	<ul style="list-style-type: none"> In summer groundnut need based irrigation may be undertaken judging soil moisture condition and local weather. Avoid over irrigation/water stagnation to prevent the incidence of root rot. Avoid intercultural operations during peg penetration stage. Undertake light earthing up at peg initiation stage for effective peg penetration. Also ensure adequate soil moisture during pegging/peg penetration stage. For control of leaf miner, thrips and jassids in groundnut undertake spraying of lambda cyhalothrin 5% @ 4 ml OR quinalphos 25% @ 28 ml per 10 litres of water OR application of quinalphos 1.5% dust @ 23.3 kg/ha.
Summer Sesame	Bud initiation/Flowering	<ul style="list-style-type: none"> In summer sesame need based irrigation may be undertaken judging soil moisture condition and local weather. Undertake need based hoeing and weeding to avoid weed competition.
Summer Sunflower	Buttoning/Flowering	<ul style="list-style-type: none"> In summer sunflower need based irrigation may be undertaken judging soil moisture condition and local weather. Post emergence critical stages of irrigation include growing bud, flowering and seed development stages. Undertake need based inter-culture operation and keep the crop weed free up to 45 days, being critical period of crop-weed competition. For control of sap sucking pests of jassids, thrips and white fly in summer sunflower undertake spray of Imidacloprid 17.8 % EC @ 2.0 ml.per 10 liters of water.
Summer Green gram	Vegetative / Flowering	<ul style="list-style-type: none"> In earlier sown summer greengram need based irrigation may be undertaken judging soil moisture condition and local weather. Timely sown summer greengram crop undertake need base hoeing and hand weeding.
Summer maize	Vegetative	<ul style="list-style-type: none"> Keep close watch on fall, install light trap/pheromone trap in maize field for monitoring. To control army worm (>5% damage) above ETL undertake application into leaf whorl of carbofuron 3% granular formulation @ 33 kg / ha OR phorate 10% granular formulation @ 10 kg / ha. Application of thiomethaxom (12.6%) + lambda cyhalothrin (9.5%) @ 2.5 ml OR Chlorantraniliprole 18.5% @ 3 ml in 10 litres of water is also advisable.
Wheat	Harvesting/ Grain development	<ul style="list-style-type: none"> Judging prevailing local weather condition and under clear weather mature crop may be harvested immediately and keep harvested produce safely. For any possibility of sudden rainfall keep tarpaulin ready to cover harvested produce. In very late sown wheat crop being at grain development stage undertake irrigation for adequate soil moisture condition and reduce the impact of rising maximum temperature.
Fruit crops	-	<ul style="list-style-type: none"> Undertake need based irrigation judging soil moisture condition and local weather. Harvesting of orange orchards (Mriqa bahar) should be completed, followed by light irrigation and pruning of dried end of branches. Cut end of branches should be smeared with Bordeaux paste (1:1:10) and undertake spray of carbendazim @ 10 g/10 litres of water. For control of mango hoppers, thrips, mites and powdery mildew damage to mango inflorescence undertake spray of dinocap 10ml per 10 litres of water with gator pump. In citrus orchards, during March month under rise in maximum temperature drip irrigation should be given @ 12-53, 78-127, and 145-180 liters per day for trees 1-4, 5-7, 8 years old and above respectively. Follow double ring method of irrigation and irrigate orchard 7 to 10 days.
Vegetable	-	<ul style="list-style-type: none"> In growing summer vegetables undertake need based irrigation judging soil moisture condition and local weather. Cultivation of summer vegetables (okra, cluster bean, tinda, cowpea, cucumber, gourd) can be initiated during this period. In water melon, water pressure within the fruit can build up under hot weather causing the melons to split open. To alleviate splitting add straw mulch to retain soil moisture and insulate plants. Adding shade covers during excessively hot periods is also advisable. For summer okra planting use ridge and furrow layout with 45x30 cm spacing with seed rate of 10 to 15 kg/ha. Recommended varieties include Pragati, Arka Anamika, Pusa Makhmali, Parbhani Kranti and Phule Vibhakta Cultivation of cowpea (Pusa Rituraj, a bushy variety) for vegetable purpose (in 40-45 days) can be undertaken during this period. Other recommended varieties include Pusa Phalguni, Pusa Do-Fasali.
Livestock	-	<ul style="list-style-type: none"> During hot summer weather provide sufficient feed/forage, cold water, shelter from heat and follow proper grazing time (morning/evening) for farm/milch animals. Also give them protein-fat bypass supplement and mineral mixture in diet. In sheep and goat preventive vaccination for Bulkandi disease (Rinderpest) is advisable. In farm livestock preventive vaccination for foot and mouth disease (FMD) and preventive deworming for flat worms is advisable.

This Agro Advisory Bulletin (AAB) is prepared & published with the consultation and recommendation of SMS committee of "Gramin Krishi Mausam Sewa" (GKMS) Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. 444005 (MS).

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