

Acharya N.G. Ranga Agricultural University
AAS Bulletin for Anantapur district issued by IAAS, ARS, Anantapur

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Past weather: 1. No rainfall was received in Anantapur district from Nov 8th onwards. Temperature and RH variation- The maximum and minimum temperatures ranged between 31.4 -33.0^oC and 17.6-21.2^oC, respectively. Morning and afternoon relative humidity ranged between 86-92% and 38-44% and Wind speed range from 04.7 -05.7 kmph in the past four days. Crops have sufficient moisture for growth by receiving rains from beginning of this month.

Weather forecast for next five days for Anantapur district

	13/11	14/11	15/11	16/11	17/11
Rainfall (mm)	0	0	0	0	0
T max (^oC)	30	31	31	30	30
T min (^oC)	20	20	19	18	18
Total cloud cover (Octa)	0	4	1	1	6
RH (%)	I	83	76	71	73
	II	49	43	45	41
Wind speed (kmph)	7	6	6	6	6
Wind direction (deg)	90	90	110	65	80

Agrometeorological advisory for Anantapur district:

Crop	Stage/ Condition	Pest and Disease	Agro advisories
Bengal gram	1. Sowings 2. Seedling stage. 3. Wilt	1.Gram caterpillar (<i>Helicoverpa armigera</i>)	<ol style="list-style-type: none"> 1. Prevailing conditions favorable for Bengal gram sowings in black soils by utilizing moisture received by recent rains. 2. Seed rate: 30-40 kg/acre 3. Seed treatment with mancozeb@3 gm/kg of seed. 4. Seed treatment with <i>Trichoderma viridae</i> @10 gm+ 30 FYM/kg of seed to avoid wilt and root rot diseases. 5. Prevailing conditions favorable for <i>Helicoverpa</i> incidence. For controlling <i>Helicoverpa</i> spray Quinalphos@2.0 ml or Acephate @1.5 gm per litre of water 6. Prevailing conditions favorable for <i>wilt</i> incidence. 7. For controlling wilt drenching with thiram or captan or carbendazim @2.5 gm per 1 lt of water.
Horsegram	Sowings		<ol style="list-style-type: none"> 1. Prevailing conditions favorable for Horse gram sowings 2. Seed rate: 8-12 kg/acre 3. Seed treatment with Carbendazim@1 g/kg of seed.
Groundnut (Rabi)	Sowings	-	<ol style="list-style-type: none"> 1. Prevailing conditions favorable for groundnut sowings in irrigated soils from 1st November to 15th December. 2. Seed rate: 70-80 kg/acre, spacing- 22.5x10 cm 3. Seed treatment with mancozeb @ 3 gm or carbendazim @ 1gm/kg of seed. 4. Seed treatment with <i>Trichoderma viridae</i> @ 10 gm+ 30 FYM/kg of seed to avoid rot diseases. 8. Seed treatment with chlorpyrifos 6.5 ml or imidacloprid @ 2 ml per 1 kg of seed to avoid root grub damage.
Groundnut (Kharif)	1. Harvesting Stage 2. Storage		<ol style="list-style-type: none"> 1. Harvest should be done at right stage of maturity stage 2. At the time of 70-80% of leaves and stems turn yellow 3. when the inner side of the shell turn black 4. when sufficient moisture is available in the root zone 5. seed should not contain more than 9% moisture for

			<p>storage</p> <ol style="list-style-type: none"> 6. Prefer poly ethylene /gunny bags for storage 7. Spray malathion @5ml/lit of water once in 2-3 weeks on storage bags against storage pests.
Jowar	Vegetative stage	Shoot borer	<ol style="list-style-type: none"> 1. Apply Carbofuran @4kg/acre granules in the whorls of Jowar.
Castor	I st Picking stage	<ol style="list-style-type: none"> 1. Semilooper 2. Shoot and Capsule borer 3. Botrytis 	<ol style="list-style-type: none"> 1. Prevailing conditions are favourable for incidence of 2emilooper. For controlling 2emilooper neem oil @ 5ml or Profenophos @ 2ml, novaluron @ 1ml or thiodicarb@1.5 gm per one litre of water. 2. For controlling Shoot & capsule borer and <i>S.litura</i> spray monocrotophos 2.0 ml or indoxacarb 1ml or Acephate @1.5gm or Profenophos @2ml per litre of water. 3. To prevent spread of Botrytis spray Bavistin @1g/lit twice at 10 days interval.
Cotton	I st Picking Stage	Bollworms	<ul style="list-style-type: none"> • Prevailing conditions are favourable for boll worm incidence. For controlling <i>S.litura</i> and <i>H.armigera</i> and pink bollworm spray novaluron 1ml or lufenuron 1.5 ml or thiodicarb 1.5 gm or indoxacarb 1 ml or spinosad 0.3 ml or emamectin benzoate 0.5 gm per 1 litre of water. • Top dressing with 30-35 kg urea and 10 kg muraite of potash for irrigated areas and 30-35 kg urea and 10 kg muraite of potash per acre at 80 days after sowing for rainfed areas.
Paddy	Panicle initiation stage	Bph	<ul style="list-style-type: none"> • Prevailing conditions are favourable for Bph incidence. For controlling Bph spraying with monocrotophos@2.2 ml or acephate @1.5 gm or ethofenrox@2.0 ml per 1 lt of water.

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