

Acharya N.G. Ranga Agricultural University

AAS Bulletin for Kurnool district issued by IAAS, ARS, Anantapur

Bulletin No: 89

Period: 13.11.12 - 17.11.2012

ISSUED ON – 12.11.2012

Weather forecast for next five days for Kurnool district

	13/11	14/11	15/11	16/11	17/11
Rainfall (mm)	0	0	0	0	0
T max (°C)	30	31	31	30	30
T min (°C)	20	20	19	18	18
Total cloud cover (Octa)	1	2	0	1	6
RH (%)	I	78	67	64	65
	II	45	38	40	34
Wind speed(Kmph)	6	5	5	6	6
Wind direction (deg)	90	105	150	70	115

Agrometeorological advisory for Kurnool district

Crop	Stage/ Condition	Pest and Disease	Agro advisories
Bengal gram	1.Sowing 2.Seedling stage	1.Gram caterpillar	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 seed to avoid wilt and root rot diseases. 5.for controlling gram caterpillar spray with quinaphos@2ml or Acephate @ 1.5 gm per litre of water
Groundnut (Rabi)	1.sowings	-	1. Prevailing conditions favorable for groundnut sowings in irrigated soils from 1st November to 15 th 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. 5.seed treatment with chlorpyriphos 6.5 ml or imidacloprid @2 ml per 1 kg of seed to avoid root grub damage
Groundnut (Kharif)	1.Harvesting Stage 2.Storage		1.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 storage 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	1. Apply Carbofuran @4kg/acre granules in the whorls of Jowar.
Red gram	Flowering stage	1. <i>Maruca testulalis</i> 2. <i>Helicoverpa armigera</i>	• Prevailing conditions are favourable for incidence of spotted borer and gram caterpillar. For controlling pod borers spray neem oil @5 ml + sandovit @2ml+surf water @5ml per one litre of water.
Paddy	Flowering stage	1.Leaf mite 2.Thrips 3.Tip burning 4.blast	a) To control leaf mite spray Profenophos@ 2ml, Dicofol @5gm or wettable sulphur 50 % WP @3gm per litre of water. b) For control thrips spray fipronil @2ml per litre of water. c) Spray 19:19:19 fertilizer @6gm/lit of water d) For controlling blast spray with hexaconazole @2ml or propiconazole @ 1ml per litre of water
Cotton	Boll maturation –1 st Picking stage	1.Sucking pest 2.Bollworms 3Wilt	1. Prevailing conditions are favourable for incidence of sucking pest. 2. For controlling sucking pest stem application with monocrotophos+ water (1:4) or Imidocloprid + water (1:20) after 20,40and 60 DAS. 3. Prevailing conditions are favourable for boll worm

			<p>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.</p> <p>4. 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.</p> <p>5. Prevailing conditions are favourable for wilt disease incidence. For controlling wilt disease drenching with COC @3 gm or Carbendazim@1 gm per one litre of water</p>
Sugarcane	Rust	Vegetative stage	<p>1. Prevailing conditions are favourable for rust incidence. For controlling rust spray Mancozeb @3gm per one litre of water.</p>
Turmeric	Vegetative stage	Leaf blotch	<p>1. Prevailing conditions are favourable for incidence of leaf blotch. For controlling leaf blotch spray Carbendazim@1gm or Mancozeb@ 2.5gm +0.5 ml soap water per one liter of water.</p>
Castor	I st Picking stage	<p>1.Semi looper</p> <p>2.Shoot and capsule borer/ <i>Spodoptera litura</i></p> <p>3.Botrytis</p>	<p>1. Prevailing conditions are favourable for incidence of semilooper. For controlling semilooper neem oil @ 5ml or Profenophos @ 2ml, novaluron @ 1ml or thiodicarb@1.5 gm per one litre of water.</p> <p>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</p> <p>3. Prevailing conditions are favourable for botrytis disease. For controlling botrytis spray Carbendazim@1gm per one litre water</p>
Chillies	Flowering- Fruit maturation stage	<p>1.Sucking pest(Mites/ Thrips)</p> <p>2.aphids</p> <p>3.Fruit borers</p> <p>4. Powdery mildew</p>	<ul style="list-style-type: none"> • For controlling mites spray Dicofol @5gm or wettable sulphur 3 gm per litre of water. • For controlling thrips phasalone 2ml or fipronil 2ml per litre of water • Spray monocrotophos@1.6 ml or methyl dematon@2ml per lt of water for controlling aphids • For controlling fruit borers Quinalphos @2ml or Chlorpyriphos @2.5ml or thiodicarb 1.5 gm or spinosad @0.3 ml per one lt of water <ul style="list-style-type: none"> • Prevailing conditions favorable for powdery mildew incidence. Controlling powdery mildew spray dinocap @ 1ml or wettable sulphur 3gm per 1 lt of water. •
sunflower	Vegetative stage	<p>1.White flies</p> <p>2. Gram caterpillar/ <i>Spodoptera litura</i></p> <p>3. Alternaria blight</p> <p>4. Powdery mildew</p>	<ul style="list-style-type: none"> • Spray triazophos@2.5 ml or acephate @1.5 gm per lt of water for controlling white flies. • for controlling gram caterpillar or <i>Spodoptera Litura</i> spray with quinaphos@2ml or Acephate @1.5 gm per litre of water • Prevailing conditions favorable for <i>Alternaria</i> blight incidence. For controlling blight spray Saff@2 gm per 1 lt of water. • Prevailing conditions favorable for powdery mildew incidence. Controlling powdery mildew spray dinocap @ 1ml per 1 lt of water.
Animals-cow		Foot and mouth disease	<ul style="list-style-type: none"> • Apply potassium permanganate on lesions in the mouth and sulphur treatment is recommended for foot lesions.

Dr. B. Sahadeva Reddy, i/c Nodal Officer, Dr.S.N.Malleswari Sadhineni, Scientist (Agronomy), P.Venkata Rao, Technical Officer

