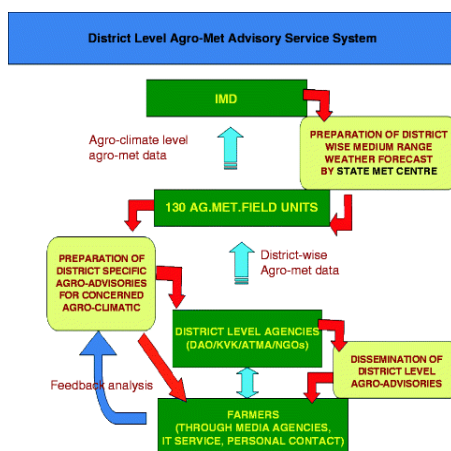




**COMPOSITE AGRO-METEOROLOGICAL ADVISORY SERVICE
BULLETIN FOR THE STATE OF ANDHRA PRADESH**

ISSUED ON: 15.03.2022

BULLETIN NO : 021/ 2022



From the period (16.03.2022 to 20.03.2022)
(5 days from Wednesday to Sunday)

State Agro-meteorological Services Center (SAMC), Amaravati
राज्यकृषि - मौसमविज्ञानकेंद्र ,अमरावती

Agro-climatic Zone	Districts	In-charge stations
North Coastal Andhra	Srikakulam, Vizianagaram & Visakhapatnam	RARS, Anakapalle
South Coastal Andhra	Nellore, Chittoor & Kadapa	RARS, Tirupathi
Godavari	East & West Godavari	RARS, Chintapalle
Krishna	Guntur, Krishna & Prakasam	RARS, Guntur
Scarce Rainfall	Anantapur & Kurnool	RARS, Anantapur
High Altitude	Srikakulam, Vizianagaram, Visakhapatnam & East Godavari	RARS, Chintapalle

PART – A WEATHER

A1.Synoptic situation during last 4 days from 11.03.2022 to 14.03.2022.

11.03.2022

Lower tropospheric south-easterly winds prevail over Andhra Pradesh & Yanam.

12.03.2022

Lower tropospheric Easterly winds prevail over Andhra Pradesh and Yanam.

13.03.2022

Lower tropospheric south-easterly winds prevail over Andhra Pradesh & Yanam.

14.03.2022

Lower Tropospheric North Easterly winds prevail over Andhra Pradesh and Yanam.

A.2 Realized Rainfall & distribution during last 4 days from 11.03.2022 to 14.03.2022.

Realized rainfall & distribution	11.03.2022	12.03.2022	13.03.2022	14.03.2022
Coastal Andhra	Dry	Dry	Dry	Dry
Maps				
Royalaseema	Dry	Dry	Dry	Dry

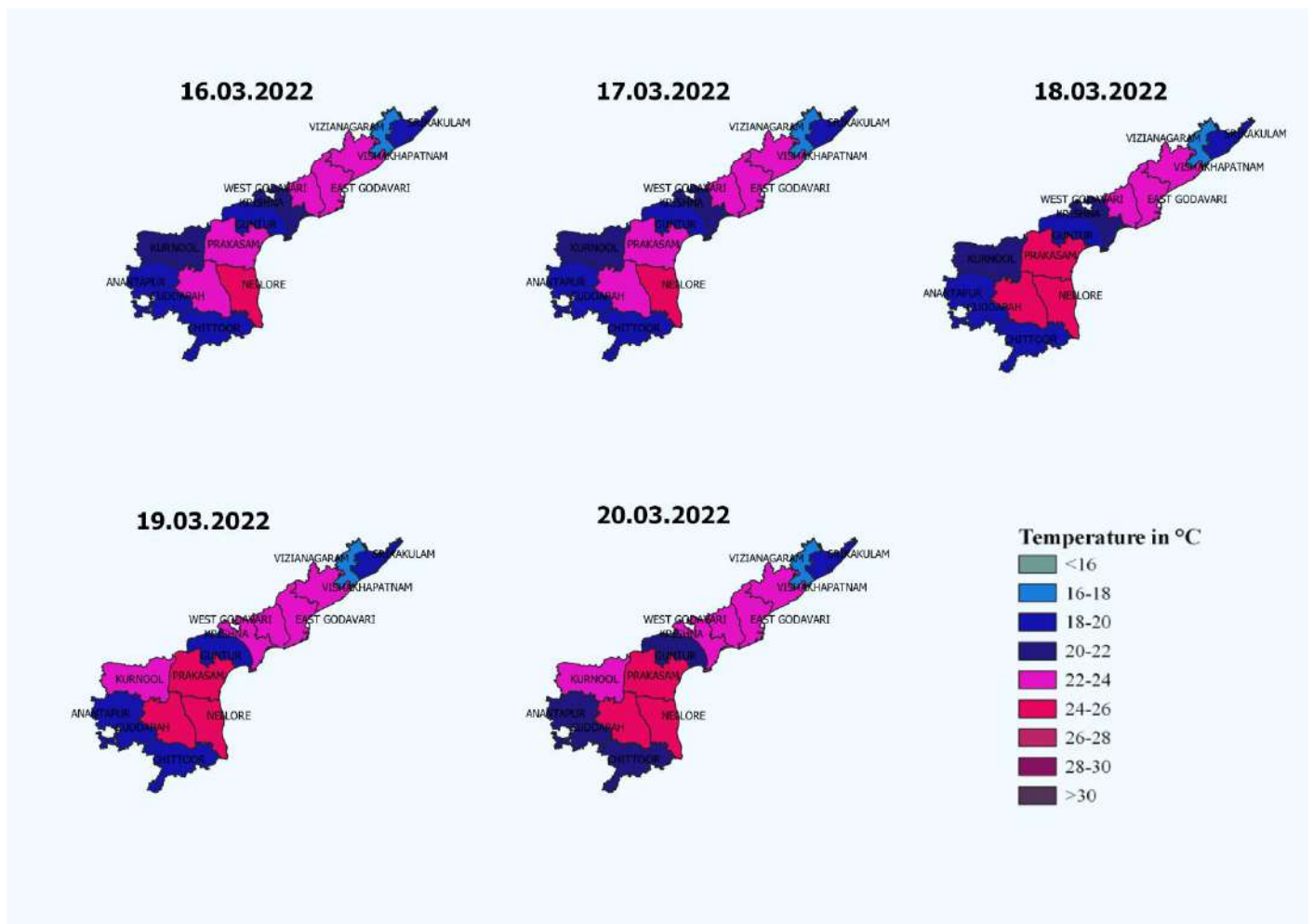
A.3 Description of Past Weather for the last four days from 11.03.2022 to 14.03.2022.

Weather Parameter	Coastal Andhra Pradesh	Royalaseema
Max Temperature (deg C):	38-33	38-34
Min Temperature (deg C):	25-19	24-17
Total cloud cover (Okta):	5-0	5-0
0300 UTC Relative Humidity (%)	91-55	76-40
1200 UTC Relative Humidity (%)	72-24	50-21
Wind Speed (Kmph):	4-0	7-0

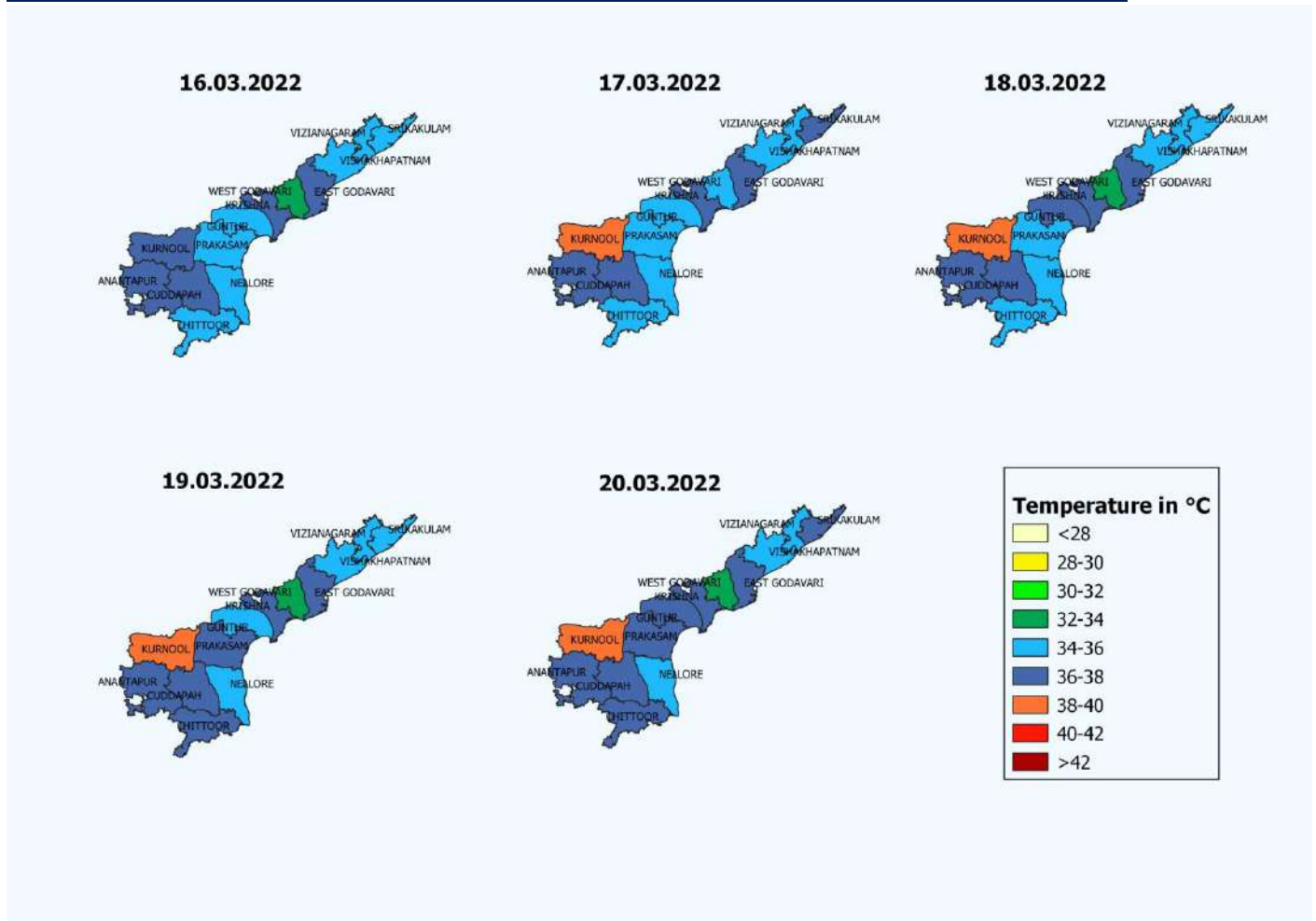
A.4 Weather parameters distribution for the next five days in range (Period 16.03.2022 to 20.03. 2022)

ZONES	N.COASTAL	GODAVARI	KRISHNA	SOUTHERN	SCARCE RAINFALL
Rainfall (mm)	4-0	4-0	0-0	0-0	0-0
Temp Max (°C)	36.3-34.2	36.8-33.8	37.4-35.7	38-35	38.7-37
Temp Min (°C)	22.8-17.4	23.7-22.1	24.4-19	24.7-19.4	22.3-19.5
Humidity 0300 UTC (%)	74-59	84-71	84-68	88-58	61-45
Humidity 1200 UTC (%)	62-51	48-26	46-36	57-37	24-17
Wind Speed (kmph)	3-2	1-1	4-1	4-2	4-1
Wind Direction (deg)	230-180	210-160	200-160	230-140	220-180
Cloud Cover (Octa)	4-3	4-2	6-2	8-3	7-2

A.7 Minimum Temperature for the next five days (Period from 16.03.2022 to 20.03. 2022)



A.8 Maximum Temperature for the next five days (Period from 16.03.2022 to 20.03. 2022)



For Weather Forecast, Warnings & Inference Kindly refer the link below:

<https://mausam.imd.gov.in/amaravati/mcdata/7Dayforecast.pdf>

<https://mausam.imd.gov.in/amaravati/mcdata/apinf.htm>

<https://mausam.imd.gov.in/amaravati/mcdata/aphrw.htm>

For IMD AMARAVATI WEBSITE, INSTAGRAM, TWITTER, FACEBOOK, YOU TUBE links



INSTAGRAM : https://www.instagram.com/mc_amaravati/



TWITTER : <https://twitter.com/AmaravatiMc>



FACEBOOK : <https://www.facebook.com/MC-Amaravati-IMD-100787794998444/>










YOUTUBE : <https://www.youtube.com/channel/UCMhKw9DfBAIcfpaLYVppCw>





PART B**Detailed District wise Agro met Advisories****AGRO METEOROLOGICAL ADVISORY FOR SRIKAKULAM DISTRICT, A P**






S. N o.	Crop	Stage and condition of the crop	Problem	Agro Advisory
1	Rice	Rabi	Stem borer	Rice field are advised to protected by spraying with Clorantraniliprole @ 60 ml/ac to control Stem borer.
2	Sugarcane	Ratoon Sugarcane	Whip Smut	Present weather conditions are favorable for the incidence of Smut in Sugarcane to control go for stubble shaving and spray with Propiconazole @ 200ml/ac
			Early shoot borer	Present weather conditions are favorable for the incidence of Early shoot borer in Sugarcane to control increase the frequency of irrigation and mulching.
3	Summer pulses	Flowering to pod formation stage	Sucking pest	Present weather conditions are favorable for the incidence of Sucking pest (thrips) in Blackgram to control advised to spray Fipronil @ @ 200ml/ac, foliar nutrition with 19:19:19
4	Chilli	Fruiting stage	Sucking pest	Present weather conditions are favorable for the incidence of Sucking pest in Chilli. To control advised to spray Fepronil @ 2 ml /l of water.
5	Banana	Fruiting stage	Summer	Advised to spray Potassium sulphate (0.05%) mixed with gum to completely wet the field in the month of March with an interval of 10-to 15 days to tolerate high temperatures in the summer.
6	Mango	Fruiting stage	Thrips	Present weather conditions are favorable for the incidence of thrips in Mango. To control go for spraying of Fepronil @ 2 ml /l of water.
7	Cashew	Fruiting stage	Thrips	Present weather conditions are favorable for the incidence of Thrips in Cashew. To control go for spraying of Fepronil @ 2 ml /l of water.
8	Fisheries	Fresh water fish-Indian major corps	Summer fish kill	Present high temperature weather conditions are favorable for summer fish kill due to DO depletion advised to stoppage of organic fertilizers and feed skips if pond colour is dark green colour. Application of calcium peroxide @1 kg/ac or hydrogen peroxide @ 1lt/ac in emergency 'DO' depleted conditions.
9	Live stock	Cattle and sheep	Summer	Cattle and sheep should not be allowed fro open grazing between 10 AM- 2.0 PM. Proper shelter must be arranged with drinking water
10	Poultry	Poultry birds	Summer	Precaution should be taken for regulate the temperature of the poultry shed by hanging of wet gunny bags.




AGRO METEOROLOGICAL ADVISORY FOR VIZIANAGARAM DISTRICT, A P





S. No.	Crop	Stage and condition of the crop	Problems / Pest and disease	Agro Advisory
1	Rice	Vegetative		Present weather conditions are favourable for the incidence of leaf folder. To control it is recommended to spray Chlorpyriphos 2.5 ml per litre of water or Flubendamide 0.25 ml per litre of water
				Present weather conditions are favourable for incidence of Blast. To control, go for spraying of Tricyclazole @ 0.6g/L (or) isoprothayolen @1.5 ml per liter of water.
				Present weather conditions are favourable for incidence of sheath blight. To control, go for spraying of hexaconazole @ 2 ml /L (or) propiconazole @1.0 ml per litre of water.
2	Maize			Farmers are advised to monitor incidence of fall army worm in maize by arranging 10

				pheromone traps per acre. If the trap catch is more than 10, they are advised to spray neem oil @ 5ml/L of water. Based on the intensity of the pest they can go for spraying of thiodicarb @ 2g or imamectinbenzoate @0.4 g or chlorantriliniprole @ 0.4 ml per litre of water.
3	Rice fallow pulses	Pod formation		Present weather conditions are favourable for the incidence of Flea beetles in Rice fallow pulses. To control it is recommended to spray neem oil 5 ml/L of water.
				Present weather condition was favourable for the incidence of Powdery mildew in pulses. To control it is recommended to spray hexaconazole 2ml/l (or) propiconazole 1ml per litre at 10-15 days interval.
4	Groundnut	Flowering to peg penetration		Present weather conditions are favourable for the incidence of spodoptera in Groundnut. To control it is recommended to spray Quinolphas 400ml (or) Thiodicarb 200 g or Novaluron 200 ml per one acre

5	Sesamum	Pod formation stage		<p>Present weather conditions are favourable for incidence of phyllody disease. To control go for spraying of Thiomethaxim @ 0.3 g/l of water.</p>
6	Ragi	Vegetative stage		<p>Present weather conditions are favourable for the incidence of <i>Spodoptera frugiperda</i>. Farmers are advised to spray neem oil @ 5ml/L of water. Based on the intensity of the pest they can go for spraying of emamectinbenzoate @0.4 g or chlorantriliniprole @ 0.4 ml per litre of water.</p>
				<p>Present weather conditions are favourable for incidence of Blast. To control, go for spraying of Tricyclazole @ 0.6g/L (or) Carbendizim @ 1.0 g ml per litre of water.</p>
7	Chilli	Flowering		<p>Present conditions are favorable for incidence of thrips in chilli. To control it is recommended to spray Fipronil 1.5 ml per litre of water.</p>

				Present conditions are favorable for incidence of Mites in chilli. To control it is recommended to spray Dichofol 5 ml per liter of water.
8	Brinjal	Fruit development stage		Present weather conditions are favourable for the incidence of Fruit and shoot borer in brinjal. To control it is recommended to spray profenophos @ 2 ml per litre of water.
9	Papaya	Flowering stage		Present weather conditions are favourable for the incidence of foot rot in Papaya. To control go for soil drenching around the base of the stem with Ridomil MZ @ 2g.
10	Banana	Fruit formation stage		Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease. To curb the spread of this disease, it is recommended to spray propiconazole @ 1 ml (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2-3 times in 25 days interval.
11	Cashew	Flowering stage		Present weather conditions are favourable for the incidence of tea mosquito bug. To control it is recommended to spray monocrotophos @ 1.6ml /l at the time of sprouting. At the time of flowering, go for spraying of lamdacyhalothrin @ 0.6ml/l (or) chloropyriphos 2ml/l. When the cashewnut is at button stage go for third spraying with

				profenophos @1ml/l. Go for
				spraying of above recommended chemicals for 2 to 3 times according to the necessity from December to march.
		Flowering stage		Present weather conditions are favourable for the incidence of flower webber in cashew. To control it is recommended to spray chloropyriphos @2.5ml/l, 1 ml Nuvan (dichlorvos) per litre of water.
12	Mango	Vegetative stage		Present weather conditions are favourable for the incidence of Mango hoppers. To control it is recommended to spray phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyriphos @2.5ml/l. during initial stages of flowering. Spraying of the chemical should be in such a way that it should cover tree base, trunk and branches also. Don't go for spraying during peak flowering stage.

				Present weather conditions are favourable for the incidence of flower webber. To control it is recommended to spray chloropyriphos @2.5ml/l, 1 ml Nuvan (dichlorvos) per litre of water.
13	Oilpalm & Coconut	Fruiting stage		Present conditions are favourable for incidence of Rugose Spiralling whitefly. To control it is recommended to spray Neem oil 5 ml per litre of water. During heavy infestation - application of imidacloprid 0.3 ml per litre of water.
14	Cow and Buffalo	Calf and adults		Present weather conditions are favourable for the incidence of pseudo lumpy disease. To control, use 20% ether or 1% formalin (or) 2% phenol for every fifteen minutes. Contact your nearest veterinary doctor for further advice, regarding the antibiotic administration and immunity boosters. No vaccine was available for this disease in India.
				Isolate the infected cattle and feed them with easily digestible feed and fodder. .wounds should be cleaned with potassium permanganate solution. .apply neem oil on wounds of leg. apply boric acid and glycerin solution on wounds of mouth. .take veterinary doctor assistance for further treatment. FMD vaccine should be given to animals for every 6 months as preventive measure.
General Advice			Coastal Andhra Pradesh region is likely to receive below normal rainfall during subsequent one week i.e. from 20 th March to 26 th March, 2022.	

AGRO METEOROLOGICAL ADVISORY FOR VISAKHAPATNAM DISTRICT, A P

S. No.	Crop	Stage and condition of the crop	Problems / Pest and disease	Agro Advisory
1.	Rabi rice	Tillering to PI stage	Imbalanced fertilizer application.	<ul style="list-style-type: none"> Go for application of 35 kg urea+20 kg MOP at PI stage
			Stem borer	<ul style="list-style-type: none"> Apply cartap hydrochloride (4G) granules @ 8kg per acre.
2	Sugarcane (Ratoon)	Ratoon	-	<ul style="list-style-type: none"> Go for working with shredder for ratooning. Or Stubble shaving followed by trash mulching @ 1.25 t/ac Farmers are advised to apply 10 t well decomposed FYM, 150 kg Urea, 250 kg SSP and 80 Kg MOP /ac immediately after stubble shaving. Farmers are also advised to apply biofertilizers viz., Azospirillum 500 ml, PSB 500 ml, KRB 500 ml in 100 kg well decomposed organic manure/ac at the time of ratooning. For crop of 45 days go for topdressing of urea @ 150 kg/ac
			Smut disease and Early shoot borer	<ul style="list-style-type: none"> Go for spraying with propiconazole @ 1 ml/l +chlorpyriphos @ 2.5 ml/l immediately after stubble shaving for control of whip smut and early shoot borer in sugarcane.
3.	Sugarcane Plant crop	Plantings are in progress	-	<ul style="list-style-type: none"> Use 16000 three budded setts per acre. Apply 250 kg SSP and 80 kg MOP/ac at the time of planting in furrows. Farmers are advised to apply 10 t well decomposed FYM, 250 kg SSP and 80 Kg MOP /ac at the time of planting. Farmers are also advised to apply biofertilizers viz., Azospirillum 500 ml, PSB 500 ml, KRB 500 ml in 100 kg well decomposed organic manure/ac at the time of Go for trash mulching @ 1.25 t/ac within 3 days of planting. For crop of 45 days go for topdressing of urea @ 75 kg/ac
4	Sugarcane planting	-	-	<ul style="list-style-type: none"> 8,000 to 10,000 seedlings are required for 1 acre.

	with seedlings			<ul style="list-style-type: none"> Go for paired row planting of 30 days aged seedlings at 60/120 cm or 90 cm and plant to plant distance should be 45 cm.
				<ul style="list-style-type: none"> Apply 10 t well decomposed FYM, 250 kg SSP, 40 kg urea and 20 kg MOP/ac are to be applied at the time of planting. Farmers are advised to apply biofertilizers viz Azospirillum 500 ml, PSB 500 ml, KRB 500 ml in 100 kg well decomposed organic manure at the time of planting. Go for release of <i>Trichogramma chilonis</i> @ 20,000 eggs/ ac (1 card) from 30 days after planting.
5	Maize	Vegetative	Fall armyworm	<ul style="list-style-type: none"> Spraying with chlorantraniliprole @ 0.4 ml/ l.
6.	Sesame	Vegetative to flowering stage	Sucking pest	<ul style="list-style-type: none"> Spray Dimethoate @ 2.0 ml/l
			Root rot	<ul style="list-style-type: none"> Drenching with COC (blitox) @ 3g/l or Carbendazim @ 1 g/l.
			Leaf webber	<ul style="list-style-type: none"> Spray spinosad @ 0.3 ml/l or flubendamide @ 0.2 ml/l.
7	Groundnut	Flowering to pod formation	-	<ul style="list-style-type: none"> Apply gypsum @ 200 kg ac at first flowering followed by hoeing for better filling of the pod.
			Sucking pest	<ul style="list-style-type: none"> Spray Dimethoate @ 2.0 ml/l
8	Sunflower	Vegetative stage	Helicoverpa	<ul style="list-style-type: none"> Spray spinosad @ 0.3 ml/l or flubendamide @ 0.2 ml/l.
9	Chillies	Vegetative to flowering	Flower thrips	<ul style="list-style-type: none"> Spray beauvaria @ 5 g /l

AGRO METEOROLOGICAL ADVISORY FOR NELLORE DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
RICE	The present weather conditions are favourable for incidence of stem borer and BPH in paddy. To control stem borer spray Chlorantraniliprole 0.4 ml/ lit or Cartap Hydrochloride @ 2.0 g/ lit of water. To control BPH spray Buprofezin @ 1.6 ml/ litre of water If incidence is less. If incidence is high, spray Imidacloprid+ Ethiprole @ 0.25 g (or) Pymetrozine @ 0.6 g/litre of water.
GROUNDNUT	Present weather conditions are favourable for sucking pest and tikka leaf spot incidence in groundnut. To control sucking pest, spray Monochrotophos @1.6 ml/l (or) Imidacloprid @ 0.3 ml/l (or) Dimethoate @ 2 ml/litre of water. To control tikka leaf spot, spray 400 g Mancozeb (or) 400 ml Hexaconazole (or) 200 ml Tebuconazole per acre, spray 2 times at an interval of 15 days.
	Present weather conditions are favourable for sucking pest (aphids, jassids, white fly,

COTTON	thrips) and leaf spot in cotton. Farmers are advised to erect 25 yellow sticky traps/acre to control sucking pests and if need, spray imidachloprid 200 SL @ 0.4 ml (or) acetamiprid @ 0.2 g (or) thiomethoxam @ 0.2 g (or) diafenthiuron @ 1.25g (or) monocrotophos 36 SL @ 1.6 ml (or) acephate 75 SP @ 1.5 g per litre of water. To control mealy bugs, spray profenophos 50 EC @ 3.0 ml (or) acephate 2 2.0 g per litre of water.
CHICK PEA	Present weather conditions are favourable for incidence of rust in Bengal gram at maturity stage. To control spray Hexaconazole @ 400 ml or Propiconazole @ 200ml or Tryptoxystrobin + Tebuconazole @ 160g/acre
SESAME (GINGELLY/TIL)	Present weather conditions are favourable for incidence of phyllody disease in sesame. Collect and destroy the infected virus plants as and when noticed. To control vector, Spray Monocrotophos @1.6 ml or Thiomethaxim @ 0.3 g/l of water is recommended. Incidence of Powdery Mildew is noticed at some parts of Nellore district. To control spray wettable Sulphur @3.0 g per litre of water.
Horticulture Specific Advisory:	
Horticulture (Varieties)	Horticulture Specific Advisory
ACID LIME	Present weather conditions are favourable for leaf miner damage in acid lime. For control spraying of Imidachloprid @0.5 ml + wetting agent @1 ml for litres of water. Incidence of thrips and mites is noticed in acid lime. To control spray Diafenthiuron @ 1.5 grams/ litre of water.
MANGO	The present weather conditions are favourable for hoppers in mango. To control spray imidachloprid @ 0.3 ml. /L of water. Irrigation should be given 2 times in a fortnight. This will help in increasing the fruit size and prevents the fruit fall. The present weather conditions are favourable for early fruit drop in mango. If the effect is more spray planofix @1 ml./4.5L of water.
PAPAYA	Mealy bugs in Papaya cause damage by sucking sap from leaves, stem & fruits. Infected plants become stunted and mal formation of fruits occurs. To control remove weeds & other plant species which host mealy bugs. Immediately after identification of mealy bugs spray Neem oil 2.5 ml + 0.5 ml adhesive as a repellent. Due to the woolly structure chemicals do not affect the mealy bugs. Hence to remove woolly structure spray 1 Shampoo packet/ 1lt of water. On the next day spray 2.0 ml Dimethoate + 0.5 ml adhesive to control the mealy bugs.
CHILLI	Present weather conditions are favourable for coanephora blight and fruit rot in chilli. To control coanephora blight spray COC 30 g + 2 g Streptocycline per 10 liters of water. To control fruit rot disease, spray with Azoxystrobin @ 1.0 ml (or) Difenconazole @ 0.5 ml (or) Cabriotop @ 3.0 g./L of water.
COCONUT	To control Rugose spiraling whitefly in Coconut spraying of Isaria fumosorosea (5gm culture in 1 lt of water) with 0.5 ml of sticking agent per litre of water. Pinning of Dichochrysa sp., egg cards to palm trees and Installation of Yellow sticky sheet. Spraying of Neem oil @ 10000ppm 3ml/lt is also effective.
Fisheries Specific Advisory	
Fisheries (Varieties)	Fisheries Specific Advisory
CARP	Recommended tox care in carp culture @1.0 kg/ton of feed as an absorbent of residues of pesticides, mould killer and as toxin binder.
FRESH WATER	In vennamei culture, to increase the survival rate, density of zooplankton as well as to reduce the FCR it is advised to apply fermented mixture @100 lit/acre in weekly intervals and skip the two meals during applied day.
Others (Soil / Land Preparation) Specific Advisory:	
	Others (Soil / Land Preparation) Specific Advisory

LAND PREPARATION	Farmers are advised to go for summer deep ploughing after harvesting of the crop, to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun. And also advised to go for soil testing after harvesting of the crop once in 2 to 3 years, to know the soil fertility status.
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AGRO METEOROLOGICAL ADVISORY FOR CHITTOOR DISTRICT, A P

Crop Specific Advisory:

Crop (Varieties)	Crop Specific Advisory
GROUNDNUT	• The present weather conditions are favourable for late leaf spot in groundnut. To control spray saaf @ 2 g/L of water.
RICE	• The present weather conditions are favourable for leaf folder in paddy. To control spray chorpyriphos @ 2.5 ml./L or prophenophos @ 2 ml. /L of water.
GINGELLY	• The present weather conditions are favourable for powdery mildew in gingelly. To control spray Wettable Sulphur @ 3g./L of water.
SUGARCANE	In 40-60 days sugarcane crop there is possibility of incidence of early shoot borer. To control go for frequent irrigation at regular intervals and spray chloripyriphos @ 2.5 ml./L of water.
FODDERMAIZE	• The present weather conditions are favourable for fall army worm in maize and fodder maize. To control spray emamectin benzoate @ 5 SB @ 0.4 ml./L of water (or) chloranthrinilipole @ 0.4 ml./L of water by spraying directed on whorls.

Horticulture Specific Advisory:

Horticulture (Varieties)	Horticulture Specific Advisory
MANGO	• Irrigation should be given 2 times in a fortnight. This will help in increasing the fruit size and prevents the fruit fall.
CHILLI	• The present increasing temperatures are highly favourable for thrips and mite attack in chillies. To control thrips spray fepronil @ 2 ml or spinosad @ 0.25 ml ordimethoate @ 2 ml/lt. of water. To control mite spray dicopal @ 5 ml., omite @ 1 ml/lt. of water.

Poultry specific advisory

Poultry	Poultry specific advisory
CHICKEN	• As there is high temperature forecast protect the birds of all ages by maintaining room temperatures by arranging foggers and sprinklers. • Use biohatching materials to cover the sheds. • Provide the sheds with light and ventilation along with cool water for drinking. • Arrest the ammonia smell in the sheds by arranging fans and coolers.

AGRO METEOROLOGICAL ADVISORY FOR KADAPA DISTRICT, A P

Crop Specific Advisory:

Crop (Varieties)	Crop Specific Advisory
RICE	The present weather conditions are favourable for incidence of stem borer and leaf folder. To control stem borer at tillering stage spray Chlorpyrifos @ 2.5 ml/ l or Acephate @1.5g or Cartap Hydrochloride @ 2.0 g or Chlorantraniliprole 0.3 ml/ l of water. To control leaf folder spray Chlorpyrifos 20 E.C@ 2.5 ml or Profenophos 20 E.C @ 2.0 ml or Monocrotophos 36 S.L @1.6 ml/ l of water.
GROUNDNUT	At present Groundnut crop is in pod formation stage. Present weather conditions are favourable for incidence of Spodoptera. To control Spodoptera, spray quinalphos @ 400ml (or) thiodicarb @ 200 g (or) novaluron @ 200 ml in 200 lit of water.
SORGHUM (JOWAR/GREAT MILLET)	In sorghum, 4 kg Carbofuran 3G granules per acre should be applied in stem whorls to control stem borer. To control fall army worm spray spinosad@0.3 ml or Chlorantraniliprole 0.3 ml per lit of water.
SUNFLOWER	Due to increase in day temperatures the incidence of thrips is likely to increase in sunflower. Spray Monocrotophos @1.6 ml or Imidacloprid @0.4 ml or Thiamethoxam@0.2 g or Fipronil @ 2.0 ml per lit of water.
SESAME (GINGELLY/TIL)	Present Sesame is at flowering stage. Due to dry weather forecast for coming days farmers are advised to provide irrigation to the crop. Prevailing weather conditions are favourable for the incidence of phyllody disease in sesame. Collect and destroy the infected virus plants as and when noticed. To control vector, spray Methyldemeton @1.0ml or Dimethoate@2.0 ml or Imidacloprid@0.3 ml per lit of water.

Horticulture Specific Advisory:

Horticulture (Varieties)	Horticulture Specific Advisory
ACID LIME	In Acid lime to control flower drop spray planofix 1.0 ml in 4.5 liters of water at flowering and marble-sized fruiting stage.
MANGO	In mango, the fruit drop can be prevented if light water is given every 25-30 days when the mangoes are between peas and lemon sizes. Spray 1% urea once in lemons size and second after 20 days to control the fruit drop or spray potassium nitrate 10 g of water.
BANANA	In banana give irrigation as and when required. To Protect from sunlight cover the peduncle and whole bunch with dried leaves. Irrigation should be given for every 3-4 days

Others (Soil / Land Preparation) Specific Advisory:

	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	As per the ERFs, from March 20th to 26th March the maximum and minimum temperature is normal and below normal rainfall may receive over Rayalaseema.

AGRO METEOROLOGICAL ADVISORY FOR EAST GODAVARI DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
RICE	Night temperatures between 18-22 Deg. Celsius, less than 10 Deg. Celsius difference between day & night temperatures, moisture & wetness on leaves for more than 10 hours, cloudy sky, dew on leaves, high humid conditions favour the incidence of Blast disease. To control blast spray Tricyclozole @ 0.6 g/lit or Isoprothiolane @ 1.5 ml/l or Kasugamycine @ 2.5 ml/lit.
MAIZE	In Maize after flowering stage, due to low moisture conditions in soil and high temperatures favours the infection of Charcoal rot. These fungus spread from root and causes the brown spots on stem. Stem will break at the infected area. In this disease prone areas, to control grow green manure crops and incorporate in field. Mix Trichoderma culture in FYM and spread for 3-4 years in line. Perform deep summer ploughing. Maintain adequate soil moisture from flowering stage. Collect and burn infected plant parts. Follow crop rotation.
SUGARCANE	High temperatures for more days with dry weather and unseasonal rains during summer favours the incidence of Red mites in Sugarcane. These mites suck the sap from bottom of leaves and causes red spots on leaves. Spray Wettable Sulphur @ 3g/lit under the leaves to control effectively.
BLACK GRAM	In dry situations, 2 irrigations at 30 and 55 DAS in rice fallow black gram increase the yield. To control grassy weeds spray Fenoxaprop-ethyl @ 1.25 ml/l or Quizaloprop-ethyl @ 2 ml/lit. To control broad leaved grass, spray Imazethapyr @ 1ml/lit.
CASHEW	In Cashew Root & Shoot borer infestation can be identified by the presence of small holes at the collar region, gummosis, and extrusion of fross from the holes at the collar region. The incidence will be more in neglected and poor management orchards. The effective control measures consists of mechanical removal of the immature stages (grubs) of the pest during initial stages of infestation and swabbing the trunk and exposed roots with Chlorpyrifos 20 EC @ 10ml/lit and the exposed roots should be sprayed with neem oil 5% thrice during the year at an interval of 4 months starting from June onwards or onset of monsoon.
Horticulture Specific Advisory:	
Horticulture (Varieties)	Horticulture Specific Advisory
CHILLI	Chillies crop is at picking stage, incidence of thrips and mites is noticed, Thrips cause upward curling of leaves and gives boat shape. To control thrips, spray Fipronil @ 2 ml/lit or Triazphos @ 2ml/ lit or cephate @ 1.25g/l. Mites cause downward curling of leaves and gives inverted boat shape spray Dicofol @ 5 ml/lit. Safety precautions to be followed in use of spraying equipment by contract workers/farmers.
BRINJAL	Mealy bugs suck the sap from tender parts and forms sooty molds. To control Mealy bugs in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.
MANGO	Fruit drop is likely in Mango, nutrient spray with 1% urea or Planofix @ 1 ml per 4.5 liters of water is advised. To control nut weevil in Mango spray Fenthion 100EC @ 1ml/lit during marble stage and second spray 15 days after the first spray. Care to be exercised by workers while mixing of inputs and application.
PAPAYA	In Papaya fruit fly damage the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatches and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.
COCONUT	To control Rugose spiraling whitefly in Coconut spraying of Isaria fumosorosea (5gm culture in 1 lit of water) with 0.5 ml of sticking agent per litre of water. Pinning of Dichochrysa sp., egg cards to palm trees and Installation of Yellow sticky sheet. Spraying of Neem oil @ 10000ppm

	3ml/lit is also effective.
Livestock Specific Advisory:	
Livestock	Livestock Specific Advisory
BUFFALO	If buffaloes effected by sun stoke during summer, feed those animals with Phytocool solution @ 10ml/ day & Daicrose saline solution can be served. Can be treated with vitamin- A, D injections . Animals during summer comes to silent heat. The an-estrous animal has to be examined and treat accordingly to come to estrous.
Poultry specific advisory	
Poultry	Poultry specific advisory
BIRD	During summer Poultry birds need to be provided with abundant water. More feed to be supplied during evening/ night as the birds consumption is less during day times. Multi vitamin liquids need to be provided. Bird sheds need to be covered with tarpaulins to avoids birds from direct sunlight. During summer eggs need to be collected immediate after egg laying and keep in a cool place.
GENERALADVICE	Extended rainfall forecast: during 20-03-2022 to 26-03-2022 Coastal Andhra Pradesh is expected the rainfall below the normal. The normal average rainfall for this period is 0.15 mm, expected rainfall is 0.01 mm. Maximum & minimum temperatures will be normal. The normal average Tmax during this period is 35.28 deg.cent. and expected 36.01 deg.cent. The normal average Tmin during this period 23.29 deg.cent. and expected T min 23.22 deg.cent.

AGRO METEOROLOGICAL ADVISORY FOR WEST GODAVARI DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
RICE	The present weather conditions are favourable for the incidence of blast, stemborer and leaf folder in paddy. To control blast spray tricyclazole @ 0.6g/L or isoprothiolone @ 1.5ml/L. To control stemborer and leaf folder spray cartap hydrochloride @2g or chloropyriphos@ 2.5ml/L
MAIZE	Fall army worm incidence was observed in maize crop. To control, farmers are advised to spray Spinosad 0.3 ml or Imamectin benzoate 0.4 g per litre of water.
Horticulture Specific Advisory:	
Horticulture (Varieties)	Horticulture Specific Advisory
COCONUT	Prevailing conditions are suitable for the incidence of Rugose spiraling whitefly. Farmers are advised to go for spraying of Azadirachtin 10,000 ppm @ 1ml/L (or) neem oil 0.5% + detergent powder @ 10g/L 2 or 3 sprays at 20 days interval.
MANGO	To control Mango hoppers spray Monocrotophos @ 1.6 ml/lit or Imidacloprid 0.25ml/lit. Sooty moulds (mangu) will develop. To control fruit drop, nutrient spray with 1% urea or Planofix @ 1 ml per 4.5 liters of water is advised.
COCONUT	During the month of March farmers are advised to provide irrigation to the trees once in 10 days and also sow green fodder crops in ring basin around the coconut trees.
Live Stock Specific Advisory:	
Live Stock (Varieties)	Live Stock Specific Advisory

BUFFALO	There is a chance of incidence of foot and mouth disease in livestock. To prevent this disease animals should be vaccinated in time.
Fisheries Specific Advisory	
Fisheries (Varieties)	Fisheries Specific Advisory
COMMON CARP	To prevent Myxobolus in fish, apply 50-80 kg of rock salt once in every 15 days, along with one litre per acre of Formalin.

AGRO METEOROLOGICAL ADVISORY FOR KRISHNA DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
RICE	To control Stem borer in rice spray cartap hydrochloride 50SP 2.0 g/l or chlorantraniliprole 0.3 ml/l. At primordial initiation stage apply: cartap hydrochloride 4G@ 8 kg/acre. Stem borer causes white ears during maturity stage hence, Carbofuran 3 G @ 10 kg/acre.
RICE	As the rice crop is from flowering to grain hardening stage. Maintenance of 10 cm of water is required.
MAIZE	Fall army worm management when the infection is heavy spray, emamectin benzoate 5SG @ 80 g (0.4g/l) or spinosad 45SE@ 60 ml (0.3g.l) in 200L of water should be sprayed per acre.
MAIZE	Excessive moisture in the soil should be reduced by intercultivation. Apply 80-96 kg nitrogen in 3 split doses and 32 kg potash per acre in 2 split doses.
BLACK GRAM	To control powdery mildew in blackgram spraying of karathane @ 1 ml or carbendazim @ 1 g per litre of water is recommended.
Horticulture Specific Advisory:	
Horticulture (Varieties)	Horticulture Specific Advisory
MANGO	To control termites, spray chlorpyrifos @ 2.5 ml per litre of water after removing the termite galleries from the tree trunk.
LEMON	To control citrus butterfly caterpillar's damage during new foliage production spraying of chlorpyrifos @ 2.5 ml or monocrotophos @ 1.6 ml/L of water is recommended.
Live Stock Specific Advisory:	
Live Stock (Varieties)	Live Stock Specific Advisory
SHEEP	During summer plenty of water should be provided to sheep and it should be kept in shady areas
Poultry specific advisory	
Poultry	Poultry specific advisory
HEN	During summer Poultry need to be provided with abundant water. More feed to be supplied during evening/ night.

AGRO METEOROLOGICAL ADVISORY FOR GUNTUR DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
COTTON	Spread awareness on the importance of destroying pink bollworm damaged cotton seeds after ginning. Restrict the movement of cotton seed from other areas/ states where the pink bollworm incidence is more severe. Destroy trashed and stained cotton with damaged seeds whether lying in the farmer's house or in the gins.
BLACK GRAM	Go for machine harvesting as there is no rain forecast. After harvest thorough drying of seeds to be taken then store in gunny bags along with ash or neem leaf trash for prevention against the storage pests. For getting good market price follow the price forecast.
PIGEON PEA (RED GRAM/ARHAR)	As the redgram crop is at harvesting stage, crop should be harvested after proper drying of pods. Seeds can be stored by mixing with ash or neem leaves trash. This can prevent the attack of pest to the grains during the storage
Horticulture Specific Advisory	
Horticulture Specific Advisory	
CHILLI	At present, in rising temperatures, the sucking pest damage will be more as these are suitable for the spread of Gemini virus in chillies. For prevention, spray imidacloprid @0.4 ml or acephate @ 1 g. or spinosad @ 0.3 ml per litre of water.

AGRO METEOROLOGICAL ADVISORY FOR PRAKASAM DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
CHICK PEA	Following care should be taken during harvesting: Keep theharvested crop for drying in the field Drying of bengal gram to optimum moisture (9 -10 %) results in safe storage of produce over a long period of time. To control bruchid pest soak the gunny bags in 10 % neem liquid formulation or 5 %neem oil then dry the bags under sun finally use them for storage.
BLACK GRAM	Present weather conditions are favorable for incidence of Powdery Mildew in blackgram. To control Powdery Mildew spray Dinocap@1.0 ml/lit or Calixion @ 1.0 ml/lit of water. Ifincidence of maruca (Spotted Pod Borrer) is noticed, then spray chlorpyriphos @ 2.5 ml + dichlorovos @ 1 ml/litre of water.
RICE	Stemborer: To control the stem borer incidence at tillering stage farmers were suggested to apply carbofuran 3G granule@10Kg per acre.
GROUNDNUT	Present weather conditions are favourable for incidence of Collar Rot in groundnut. To control the disease spray 400 g of Mancozeb in 200 liters of water per acre. Present weather conditions are favourable for spodoptera in groundnut (or) to control eggs and first and second instor larvae application of 5% Neem oil is recommended or spraying of Qinolphos @ 400 ml/acre (or) chlorpyriphos @ 500 ml/acre is recommended.

Livestock Specific Advisory:

Livestock (Varieties)	Livestock Specific Advisory
BUFFALO	Farmers are advised to maintain optimum room temperature in dairy units and poultry rearing houses. Storage of fodder in the form of hay/silage for the lean period. Provide drinking water to animals frequently to avoid dehydration.

AGRO METEOROLOGICAL ADVISORY FOR ANANTHAPURAM DISTRICT, A P**Crop Specific Advisory:**

Crop (Varieties)	Crop Specific Advisory
GROUNDNUT	Farmers are advised to take up harvesting of rabi groundnut and should be done at right stage of maturity. At the time of 70-80% of groundnut plant leaves, stems turn yellow colour and when the inner side of the shell might have turned black colour (Pods which are to be used for sowing purpose should be dried under sun until the moisture content is 9%. Harvested produce should be stored in gunny bags which are treated with malathion @ 5-10ml/lit. of water and dried under sun).
RICE	Paddy crop at transplantation to maximum tillering stage. Farmers are advised to make 20 cm alleyways at every 2 meters apart to facilitate free aeration and for uniform application of fertilizers, weedicides and pest management practices.
RICE	Prevailing weather conditions are congenial for the incidence of stem borer and leaf folder in rice. If noticed to control, spray cartap hydrochloride 50 SP @ 2g per liter of water.
FINGERMILLET	Finger millet crop at flowering to grain development stage. Farmers are advised to take up need based irrigations.

Horticulture Specific Advisory:

Horticulture (Varieties)	Horticulture Specific Advisory
MANGO	In mango after flowering, farmers are suggested to give one irrigation and also advised to spray planofix @ 2 ml/ 10 lit of water will avoid flower and fruit drop in mango.
MANGO	As the prevailing weather conditions are favorable for incidence of hoppers, thrips and powdery mildew in mango. Farmers are advised to spray imidicloprid @ 0.3 ml and a mixture containing carbandizum and mancozeb @ 2.5 g / 15 lit of water is recommended.
MANGO	Provide irrigation, as the fruits are in marble stage, this will help for the better development of fruits. If sufficient water is available, irrigation can be given at 25-30 days interval starting from fruit setting to till maturity.
CHILLI	Present weather conditions are favourable for upward and downward leaf curl in chilli. Farmers are suggested to spray Diphenthiuron @ 1.5 g or Chlorfenapyr @ 2.0ml./L of water.

Livestock Specific Advisory:

Livestock (Varieties)	Livestock Specific Advisory
BUFFALO	As the day temperatures are increasing, farmers are advised to take necessary measures and protect livestock from heat stress. They are advised to avoid land preparation and draught operations during mid days and give rest for draught animals from noon to evening. Farmers are advised to provide drinking water to livestock at frequent intervals (4 times aday) to avoid dehydration. Arrest the ammonia smell in the sheds by arranging fans & coolers.
COW	Raising temperatures are forecasted for next five days, farmers are advised to provide sufficient water, to create shelter and protect livestock from pest and diseases due to raising temperatures.
Others (Soil / Land Preparation) Specific Advisory:	
Others	Others (Soil / Land Preparation) Specific Advisory
AGRI FIELD	Farmers are advised to take up deep ploughing during summer after harvest of the kharif crop, mainly destroys the hibernating insect pupae or the infective stages of fungi.

AGRO METEOROLOGICAL ADVISORY FOR KURNOOL DISTRICT, A P

Crop Specific Advisory:	
Crop (Varieties)	Crop Specific Advisory
RICE	At present paddy crops is in tillering stage. Dry weather conditions, low night temperatures, sunshine hours more than 7 hours per day favours the incidence of stem borer in Rice. Control it by spraying of cartap hydrochloride @ 2 g (or) chlorpyriphos @ 2.5 ml per litre of water.
GROUNDNUT	Farmers are advised to take up harvesting of rabi groundnut and should be done at right stage of maturity. At the time of 70-80% of groundnut plant leaves, stems turn yellow colour and when the inner side of the shell might have turned black colour. Pods which are to be used for sowing purpose should be dried under sun until the moisture content is 9%. Harvested produce should be stored in gunny bags which are treated with malathion @ 5-10ml/lit. of water and dried under sun.
Horticulture Specific Advisory	
Horticulture (Varieties)	Horticulture Specific Advisory
CHILLI	At present chilli crop at fruiting stage. Under Present weather conditions, observed fruit rot disease. To control fruit rot disease spray with azoxystrobin @ 200 ml or difenconazole @ 100 ml or cabriotop @ 600 g per acre.
Livestock Specific Advisory:	
Livestock (Varieties)	Livestock Specific Advisory
BUFFALO	As the day temperatures are increasing, farmers are advised to take necessary measures and protect livestock from heat stress. They are advised to avoid land preparation and draught operations during mid days and give rest for draught animals from noon to evening. Farmers are advised to provide drinking water to livestock at frequent intervals (4 times aday) to avoid dehydration. Arrest the ammonia smell in the sheds by arranging fans & coolers.

Others (Soil Testing/Conservation /Land Preparation Specific Advisory:

Others (Soil / Land Preparation)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	Farmers have to follow Government's advice, precautions and safety measures to prevent the Corona virus spread. Simple measures include, social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery.
GENERAL ADVICE	Smartphone using farmers can download the Meghdoot and Vyavasayavathavaranam mobile apps for free from the Google Play Store to get timely weather forecast and crop based weather based agro advisories for Kurnool district. To get timely alert of lightening download DAMINI mobile app from google play store.