

Weekly Crop Situation Report

09.04.2022 to 15.04.2022

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp.°C	Advisory to farmers	Additional remarks
1	Sugarcane Research Institute, Faisalabad	Sugarcane	776 (000) ha (1 st estimate, Crop reporting services 2021-22)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields	Normal			<ul style="list-style-type: none"> ● Chemical and cultural practices of weed control should be adopted ● In September planted sugarcane crop, Earthening up should be done ● In September planted apply one bag of Urea and one bag granular/acre ● Use sugarcane trash as mulch to conserve moisture ● Disc ratooner, stubble shaver should be used in ratoon crop ● Irrigate the September and Spring planted sugarcane according to crop requirement and weather forecast ● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved 	Frequent feedback received from the farmers

								<ul style="list-style-type: none"> ● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop 	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight & Army worm	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better production of fresh crop ● Irrigate the field as per atmospheric conditions ● Spray against insects, pests and diseases ● Weeds must be eradicated to minimize plant weed competition 	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Bolting of plants for seed production may hamper the fresh leaf yield of the crop.
		Cauliflower		Medium to high	Satisfactory			<ul style="list-style-type: none"> ● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Spray against pre and post emergence weeds ● Adopt recommended seed 	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April.

							<ul style="list-style-type: none"> production technology ● Application of phosphorous fertilizer essential for better growth and development at head formation stage 	Crop of mid/late planting is at bolting stage hence fresh production is decreasing where as normal planting crop at seed setting stage.
	Cabbage		Medium to high	Satisfactory			<ul style="list-style-type: none"> ● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Spray against pre and post emergence weeds ● Adopt recommended seed production technology ● Application of phosphorous fertilizer essential for better growth and development at head formation stage 	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Crop of late planting is at bolting stage hence fresh production is decreasing where as normal planting crop at seed setting stage.
	Coriander		Cutworm, Jassid and White fly	Satisfactory			<ul style="list-style-type: none"> ● Irrigate the field according to climatic conditions 	Early shifting of crop towards maturity due

							<ul style="list-style-type: none"> ● Keep the field weed free ● Spray against pests and diseases if any ● Adopt recommended seed production technology for better seed production ● Maintenance of recommended distance for better seed production 	to abrupt temperature elevation in comparison with last year April. The crop is moving towards bolting stage hence implicating adverse effects on its fresh production.
	Peas		Medium to high	Satisfactory			<ul style="list-style-type: none"> ● Adopt recommended seed production technology for better seed production ● Spray for eradication of weeds, insects and disease pathogens ● Irrigation in accordance with the climatic conditions 	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. The crop is moving towards maturation stage hence lowering the yield of fresh production.
	Tomato		Aphid Jassid, Blight, Grey mold.	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers and proper irrigation at 	Early shifting of crop towards

							flowering and fruit development stage <ul style="list-style-type: none"> • Spray against insect pests and diseases • Proper irrigation at flowering and fruit development stage according to prediction of rainfall 	maturity due to abrupt temperature elevation in comparison with last year April.
	Onion		Thrips, white tip, Purple blotch, downy mildew, and B. blight.	Satisfactory			<ul style="list-style-type: none"> • Spray against insect pests and diseases • Adopt proper cultural practices i.e., hoeing and fertigation etc • make arrangements for proper storage of bulb • Adopt recommended seed production technology for better seed production 	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Crop is moving towards reproductive (amble formation) stage hence reducing fresh bulb production
	Chilies		Aphid, Thrips, viral infestation	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers and proper irrigate the field • Remove the plastic sheet to manage 	

							<ul style="list-style-type: none"> high temperature effects ● Spray against sucking insects if required ● Keep field weed free in both tunnels and open field 	
	Vegetable Marrow		Red pumpkin beetle, gray mold, rotting, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizer for proper growth and development ● Keep clean the field from pre-emergence weeds and remove post emergence weeds ● Irrigate the field properly according to climatic conditions at flowering and fruit development stage in tunnel sown crop ● Spray against insect pests & diseases 	
	Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers after each picking ● Keep the field weed free and irrigate the field according to climatic conditions 	
	Okra/Lady Finger		Red pumpkin beetle, gray mold, rotting,	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better production 	

				Aphid & Fungal Diseases.				<ul style="list-style-type: none"> ● Fertilizer application after each picking Planting on both sides of ridges keeping field in weed free condition ● Irrigate the field climatic conditions and keep the field in watar conditions 	
3	Oilseed Research Institute, Faisalabad	Sunflower			Satisfactory			<ul style="list-style-type: none"> ● Third irrigation should be provided at flowering ● Fourth irrigation should be provided at seed setting stage ● Spray Emamectin Benzoate 1.9 EC @ 200 ml/acre to manage the infestation of Head Moth. 	
4	Pulses Research Institute, Faisalabad	Chickpea & lentil			Overall condition of gram crop on rain fed farmer's field in Thal is not Satisfactory . Due to abrupt rise in temperature and dry spell during			<p>Rabi Crop: (Chickpea & lentil)</p> <ul style="list-style-type: none"> ● Remain vigilant about weather forecast before harvesting ● While harvesting remove diseased plants from the field to avoid diseased seed contamination and buried them deep in the soil 	

					vegetative growth period crop yield may be affected.			<ul style="list-style-type: none"> ● Store the harvested produce after drying and cleaning ● Air tight the store after fumigation Spring sown Mung & Mash: <ul style="list-style-type: none"> ● Eradicate the weeds from fields 	
5	Agronomic Research Institute, Faisalabad	Sugarcane				0.0 mm (Faisalabad) 1.3 mm (Farooqabad, S.Pura)	42.0 /22.5°C (Faisalabad) 39.85/24.28 °C (Farooqabad) 42.28/20.62°C (Khanewal)	<ul style="list-style-type: none"> ● Irrigate the crop as per the need. Use appropriate insecticide for the control of root borer 	Effective weed control is a prerequisite for ensuring healthier and vigorous crop growth and yield. For any type of assistance/help regarding weed control in all crops, please contact Mr. Muhammad Ashiq (Senior Scientist) of this institute. His contact number is 0300-76 57 249. Timely harvesting of wheat crop. Avoid burning of wheat straw
		Wheat				0.0 mm (Khanewal) 5.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	41.2/20.9°C (Karor, Layyah) 45.00/21.0°C (Bahawalpur)		

									to overcome smog problem. Store wheat crop at moisture level less than 10%. Check weather forecast before harvesting/threshing of wheat. Co-ordination with extension staff.
6	Entomological Research Institute, Faisalabad	Sugarcane		00-1.20% 00-0.80 per leaf Nil Nil 0-0.70	In the current situation, fruit borer and fruit fly are present on guava			<ul style="list-style-type: none"> • Creating awareness among farmers about major insect pests problem and suggested integrated approach for controlling insect pests 	
		Cotton		Crop terminated					
		Wheat		Nil					
		Mango		Nil 00-0.65 nymph or adult/ branch					
		Citrus		0-3.35 % infestation 00-0.85 per leaf 00-2.00 % 0-0.41 per leaf					
		Guava		00-6.20 % infestation 00-10/trap/week 0-0.42 %					
		Vegetables		00-4.70 % Below ETL Below ETL In patches Below ETL					

				00-4.85 % 00 – 0.15 per leaf				
		Rice		Nil				
		Maize		Nil				
7	Fodder Research Institute, Sargodha	Rabi Fodder		Infestation of Cuscuta was observed in Alfalfa crop. Attack of Army worm was observed in Berseem crop.	Good			<ul style="list-style-type: none"> ● Pest control measures should be taken to control the infestation of Cuscuta in Lucerne crop <p>Farmers should be vigilant about the attack of shoot fly on the kharif fodder.</p>
8	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<p><u>Plant Pathology Division</u> Symptoms of Citrus canker on nursery plants were observed.</p> <p><u>Entomology Division</u> Infestation of citrus psylla, aphid, leafminer and lemon butterfly was observed in the citrus orchard.</p> <p><u>Weeds Condition</u> Weeding practice was done where necessary</p>	Satisfactory			<ul style="list-style-type: none"> ● Hand picking of lemon butterfly larvae should be done ● Abamectin benzoate @ 1 ml/ liter of water may be sprayed for the control of lemon butterfly ● For citrus psylla and leaf miner apply spray of Novastar @ 2.5 ml + per liter of water ● Spray of copper based fungicide is recommended for the control of citrus canker
9	PPRI, Faisalabad	Berseem		Crown & Stem rot 07 %	Satisfactory			<ul style="list-style-type: none"> ● Spray the crop thoroughly with

							<ul style="list-style-type: none"> • Ami star top @ 2 CC / lit of water • Scure @ 1 CC / lit of water • Kumulus@ 2gm/ lit of water 	
		Spinach		Stemphylium blight Upto 06%	Satisfactory		<ul style="list-style-type: none"> • Spray the crop with • Amistar-Top @ 2 ml / lit of water • Score @ 1 ml / lit. of water • Topsin-M @ 2gm / lit of water 	
		Guava		Bacterial Blight Up to 11 %	Satisfactory		<ul style="list-style-type: none"> • Spray the collar portion with adjacent soil thoroughly with • Streptomycine sulphat @ 1gm / lit of water • Kasugomycine @ 3gm / lit of water • Kocide @ 2.5 gm / lit of water 	
		Cauliflower		Bacterial Soft rot Upto 02%	Satisfactory		<ul style="list-style-type: none"> • Spray the crop with • Aliette @ 2.5 gm/ lit of water • Curzate @ 2.5 gm / lit of water • Cabrio top @ 2.5 gm/ lit of water 	
10	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by spraying	Satisfactory		<ul style="list-style-type: none"> • Land preparation and seed for sowing of crop should be prepared • Select sandy soil to grow groundnut for 	Agricultural Experts should be consulted for the control of insects &

			insecticides. Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.				<p>better yield. Tillage practices should perform three to four time prior to sowing the crop</p> <ul style="list-style-type: none"> • Deep ploughing should be done as first tillage so that maximum rain water may be preserved in the soil. Add 3 $\frac{1}{2}$ bag of SSP, $\frac{1}{2}$ bag of Urea and 1 bag of SOP. Cultivate the land with cultivator and plunker after adding the fertilizer. If attain required moisture then sowing should start for varieties with early planting time • Temperature for April is comparatively higher (4-5 degree) compared to last year. If have enough moisture then go for sowing otherwise wait for rain. 	diseases. Farmers can contact on Mobile phone No. 03345622125 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.
	Olive		No serious attack of insects or diseases	Satisfactory			<ul style="list-style-type: none"> • Remove suckers from the trunk base of all trees 	Advisory services are provided to the farmers at

									the institute as well as on the farms.
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