

Weekly Crop Situation Report

01.10.2022 to 07.10.2022

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"> ● Complete sugarcane autumn plantation at earliest ● Use fresh and healthy/disease free seed for sugarcane plantation ● Chemical and cultural practices of weed control should be adopted ● Irrigate the Autumn and Spring planted sugarcane according to crop requirement and weather forecast ● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop ● Use recommended insecticide to control borer etc attack to the crop ● Use Chloripyriphose @ 	Frequent feedback received from the farmers

								1.5 L/acre to control sugarcane pyrilla ● Use Zinc Phosphide as bait to check rodents attack in lodged crop ● Rouge out diseased/ smut plants from the field ratoon crop	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight & Army worm	Satisfactory			● Adopt better seed production technology ● Irrigate the field as per atmospheric conditions ● Spray against insects, pests and diseases ● Weeds must be eradicated to minimize plant weed competition ● Keep the field in watta conditions	
		Radish		Medium	Satisfactory			● Meticulous seed bed preparation ● Use of certified seed with recommended seed rate ● Treatment of seed with fungicide for eradication of soil borne diseases	

							<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 	
	Bitter gourd		Fruit fly & Red pumpkin Myrothecium, Leaf minor, Aphid, Jassid,	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers for better production • Keep clean the field from weeds • Keep clean the field from weeds and virus infected plant • Maintain proper irrigation at flowering and fruit development stages 	
	Cauliflower		Medium to high	Satisfactory			<p>Meticulous seed bed preparation. Use of certified seed with recommended seed rate. Treatment of seed with fungicide for eradication of soil borne diseases. Proper utilization of fertilizers to better production. Spray against insects and pests.</p> <ul style="list-style-type: none"> • Spray against pre and post emergence weeds 	

3	Oilseed Research Institute, Faisalabad	Soybean		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			<ul style="list-style-type: none"> • Third irrigation should be provided at pod formation stage and fourth irrigation should be provided at seed setting stage (if necessary) • Spray spinetoram @ 80 ml/acre to manage armyworm or pod borer infestation 	
4	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded	Satisfactory			<ul style="list-style-type: none"> • Remove all dropped damaged fruits from plant and soil and bury them deep in soil to avoid proliferation of fruit fly in coming season • Make necessary arrangements for plants pruning 	
		Date Palm	0.0148	Control RPW through injection / microfusion or hang pheromone traps palms.	Good			<ul style="list-style-type: none"> • Complete harvesting of fruit from late varieties to convert into Tamar and Chohara • Make Chohara from Khalal of late varieties to avoid losses from rainfalls 	
		Ber	0.0135	Apply Protein Hydrolysate				<ul style="list-style-type: none"> • Apply additional doze of NPK to 	

				pheromone traps against fruit fly.				heavy bearing plants <ul style="list-style-type: none"> • Continue grafting of rootstock with selected scion varieties • Eradicate weeds by hoeing or rotavation and clean basin under plants 	
5	Agronomic Research Institute, Faisalabad	Cotton			Normal	34.4 mm (Faisalabad) 7.1 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	33.3 /21.6 °C (Faisalabad) 34.14/22.0 °C (Farooqabad) 34.74°C/20.41°C (Khanewal) 35.8/20.8°C (Karor, Layyah) 37.00/24.0°C (Bahawalpur)	<ul style="list-style-type: none"> • Check weather forecast. Clean cotton picking without moisture • Avoid trash contents during cotton picking 	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. Harvesting and threshing is in progress.
		Sugarcane						<ul style="list-style-type: none"> • Irrigation keeping in view of weather conditions. Rainfall has positive effect on the growth of crop. Remove perennial weeds manually from sugarcane fields • Pest scouting on regular basis • Availability of recommended varieties for September sown 	

								crop. Land preparation for Sept. crop	Avoid burning of wheat straw 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.
		Canola & raya			Normal			<ul style="list-style-type: none"> Land preparation and Use recommended varieties 	
6	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 00-.1.75% Pyrilla 00-1.40 per leaf Mealybug Nil Whitefly Nil Black bug 00-0-0.70	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		Whitefly 0-5 per leaf Thrips 0-3 per leaf Jassid 0-0.25 American Nil Bollworm Pink Bollworm Nil Dusky Cotton Bug Nil					
		Mango		Nil 00-0.80 nymph or adult/ branch					
		Citrus		0-3.10 % infestation 00-0.35 per leaf					

				00-2.00 % 0-0.40 per leaf					
		Guava		00-6.70 % infestation 00-13/trap/week 0-0.41 %					
		Vegetables		00-5.85% Below ETL Below ETL In patches Below ETL 00-5.35 % 00 – 0.25per leaf					
		Rice		Nil					
		Maize		Nil					
7	Fodder Research Institute, Sargodha			Attack of fall army worm was observed in Maize and Sorghum crops.	Good			<ul style="list-style-type: none"> Measures should be taken according to the recommendations of Pest Warning Department to control the fall army worm 	It is optimum time for the sowing of berseem crop.
8	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	Plant Pathology Division Incidence of fruit drop has been observed in most of the orchards. Symptoms of Citrus scab and canker was observed on the fruit of citrus orchard Citrus canker was found on nursery	Satisfactory			<ul style="list-style-type: none"> Bifenthrin @ 1 ml/liter of water is recommended for the control of whitefly Diptrex @1 ml per 3 liter of water is recommended to control fruit fly Spray of copper based fungicide is recommended for the control of citrus canker 	

				plants as well as on citrus fruit. Entomology Division Severe attack of white fly, citrus leaf miner was observed on the plants. Mite attack was also observed. Weeds Condition Weeding was done where needed.				<ul style="list-style-type: none"> ● For the control of stem end rot systematic drop (stem end rot) systemic fungicide i.e. Nativo or Cabriotop or Topsin M are recommended 	
9	PPRI, Faisalabad	Tomato		Grey mold 09%	Satisfactory			Spray the crop with after the cutting of the fodder <ul style="list-style-type: none"> ● Score @ 1 cc/ lit of water ● Amistar top @ 2cc / lit of water ● Sulpher @ 2.5 gm/ lit of water 	
		Cauliflower		Downy mildew 10 %	Satisfactory			Spray the crop thoroughly with <ul style="list-style-type: none"> ● Amistar top @ 2 CC / lit of water ● Scure @ 1 CC / lit of water ● Kumulus@ 2gm/ lit of water-4 	
		Cotton		CLCuV 17%	Satisfactory			<ul style="list-style-type: none"> ● Farmers are advised to be vigilant about White fly 	

								infestation. Take proper measures	
10	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides. Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.	Satisfactory			<ul style="list-style-type: none"> ● Add gypsum @ 200kg per acre at the time of flowering ● Use of gypsum can increase pod size and number of pods per plant and also contribute to increase seed quality ● Weeds should be controlled on time ● Visit the fields occasionally, when leaves of the plants start drying, examine the plants by digging out if more than 70-80% pods get matured then harvesting should started 	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can contact on Mobile phone No. 0334562212 5 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.
		Olive		No serious attack of insects or diseases	Satisfactory				Advisory services are provided to the farmers at the institute as well as on the farms.