

23.12.2023 to 29.12.2023

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	938 (000) ha (2nd 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"> ● Irrigate the Autumn and Spring planted Sugarcane according to crop requirement and weather forecast. ● Chemical and cultural practices of weed control should be adopted. ● Use Chloropyriphose @ 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. ● Use recommended insecticide to control borer etc attack to the crop. ● Spray of bifenthrin 	Frequent feedback received from the farmers

							<p>or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop.</p> <ul style="list-style-type: none"> ● Harvest the crop at ground level/one inch below to avoid Larvae attack. ● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses. 	
2	Vegetable Research Institute, Faisalabad	Spinach	Leaf Blight & aphids	Satisfactory			<ul style="list-style-type: none"> ● Save the crop from frost period in frost sensitive areas. ● Judicious use of fertilizers for better production of fresh crop. ● Irrigate the field as per atmospheric conditions to save the crop from cold temperature stress. ● Spray against insects, pests and diseases. ● Eradicate weeds to 	

							minimize plant weed competition	
	Bitter gourd		Fruit fly & Red pumpkin Myrothecium, Leaf minor, Aphid, Jassid	Satisfactory			<ul style="list-style-type: none"> ● Save the crop from frost period in frost sensitive areas. ● Adopt recommended seed production technology. ● Keep clean the field from weeds. ● Irrigate the field according to climatic conditions and keep the field in watar conditions to save the crop from cold temperature stress 	
	Radish		Medium.	Satisfactory			<ul style="list-style-type: none"> ● Save the crop from frost period in frost sensitive areas keeping field in watar condition. ● Meticulous seed bed preparation for steckling transplanting. ● No more, delay in steckling transplanting. ● Proper utilization of fertilizers to better seed 	

							<ul style="list-style-type: none"> production. ● Spray against insects and pests. ● Spray against pre and post emergence weeds. 	
		Cauliflower		Medium to high	Satisfactory		<ul style="list-style-type: none"> ● Save the crop from frost period in frost sensitive areas keeping field in watter condition. ● Meticulous seed bed preparation for early seed production. ● Adopt recommended seed production technology. ● Proper utilization of fertilizers to better production. ● Spray against insects and pests. ● Spray against pre and post emergence weeds. 	
3	Oilseed Research Institute, Faisalabad	Brassica		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory		<ul style="list-style-type: none"> ● Irrigate the field after one month of germination ● Remove excess plants and maintain 6 inches plant to plant 	

								<p>distance before first irrigation.</p> <ul style="list-style-type: none"> • Give 1 bag urea with first irrigation. • Spray Lambda cyhalothrin 2.5 EC @ 330 ml/acre against Mustard Sawfly and Painted bug 	
4	Horticulture Research Institute, Faisalabad	Guava	0.139	Weeds infestation was observed in guava orchards	Satisfactory			<ul style="list-style-type: none"> • Orchard sanitation i.e. collection and disposal of drop/damage fruit. 	
		Date Palm	0.0148	Control RPW by inserting Aluminum Phosphide tablets and mudding with chlori mix paste	Satisfactory			<ul style="list-style-type: none"> • Complete pruning of dried bunches from bearing plants. 	Continue bunch management in mid-season varieties by pruning extra fronds.
		Ber	0.0135	Continue hanging of pheromone traps to hold adult of fruit fly				<ul style="list-style-type: none"> • Continue grafting of scion Ber varieties on rootstocks. 	Continue irrigation twice in a week to grafted Ber plants.
5	Agronomic Research Institute, Faisalabad	Sugarcane			Normal	<p>0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura)</p>	<p>20.7/6.3 °C (Faisalabad) 20.71/8.57 °C (Farooqabad) 22.5/6.51 °C</p>	<ul style="list-style-type: none"> • Harvest lodged and damaged crop first. Stop irrigation about 20-25 days before 	Effective weed control is a prerequisite for ensuring healthier and

						1.0 mm (Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	(Khanewal) 22.60/5.50 °C (Karor, Layyah) 21.0/5.0 °C (Bahawalpur)	harvesting. Harvest crop at 2-3 cm height from surface. Irrigation keeping in view of weather conditions and to avoid frost stress.	vigorous crop growth and yield. For any type of assistance/help regarding weed control in all crops, please contact Dr. Muhammad Rafiq (Senior Scientist) of this institute. His contact number is 03214515696.
		Maize						<ul style="list-style-type: none"> • Drying in progress. 	
		Wheat						<ul style="list-style-type: none"> • Apply balanced fertilizer and timely irrigation. Apply weedicides depending upon the weed flora, but keep an eye on weather condition/soil moisture. 	
6	Entomological Research Institute, Faisalabad	Sugarcane	Borers Complex 00-0.1.68% Pyrilla 00-9per leaf Mealy bug Nil Whitefly Nil Black bug 00-0.43	In the current situation, overall insect pest pressure has been declined.				<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 Nil Thrips Nil Jassid Nil American Bollworm Nil Pink Bollworm						

				Nil Dusky Cotton Nil Bug Crop Nil				
		Mango		Mango Fruit Nil Mango Hopper 00-0.42nymph or adult/ branch				
		Citrus		Fruit Fly 0.9% Psylla 00-0.67per leaf Leaf miner 00-.52% Black Fly 0.13%				
		Guava		Fruit Fly 00-.1.88 % infestation 00-13/trap/week 0-0..29 %				
		Vegetables		Brinjal fruit borer 00-0.63% Thrips Below ETL Mites Below ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 1- 3.8 % Jassid 00 – 0.13per leaf				
		Rice		Nil				
7	Fodder Research Institute, Sargodha			Incidence of Anthracnose disease was observed in Alfalfa crop.	Good			<ul style="list-style-type: none"> Measures should be taken to control anthracnose disease in Alfalfa crop according to

								the recommendation of pest warning department	
8	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<p>Plant Pathology Division Citrus Canker spots/ blemishes were observed on nursery plants</p> <p>Entomology Division The fruit drop has been observed due to fruit fly infestation.</p> <p>Weeds Condition Weeding was done where needed.</p>	Satisfactory		Average maximum and minimum temperature recorded during this week was 24.57°C & 12.00°C respectively.	<ul style="list-style-type: none"> ● Spray of copper based fungicide is recommended for the control of fungal and bacterial diseases. ● After harvesting pruning should be done and pasting is recommended. ● Install Methyle eugenol pheromone traps @ 6-8 per acre also application of Diptrex @ 250 gm per acre is recommended. 	
9	PPRI, Faisalabad	Bitter gourd	Myrothecium traces		Satisfactory			<p>Spray the crop thoroughly with</p> <ul style="list-style-type: none"> ● Antracol @ 3gm/liter of water. ● Mencozeb @ 3gm/liter of water. ● Nativo @ 1gm/liter of water. 	
		Spinach	Cercospora leaf spot		Satisfactory			<p>Spray the crop with</p> <ul style="list-style-type: none"> ● Amistar-Top @ 2 ml / lit of water 	

			05%					<ul style="list-style-type: none"> ● Score @ 1 ml / lit. of water ● Topsin-M @ 2gm / lit of water
10	Pulses Research Institute, Faisalabad	Mash	3.5					<p>Kharif Crop:</p> <ul style="list-style-type: none"> ● Remain vigilant against insect pest especially whitefly, cutworm and army worm for kharif sown mung and mash crops. Apply suitable insecticide/ pesticides on recommendation of extension agent. ● Remain watchful against Yellow Mosaic virus disease in mung and Urdbean crinkle virus disease in mash. Rough out diseased plant and buried deep in soil. ● Remain vigilant about weather condition. In case of heavy rains arrange drainage from filed. ● Store harvested spring sown mung
		Mung	476.40					

								<p>and mash after proper drying and fumigate the produce.</p> <p>Rabi Crop:</p> <ul style="list-style-type: none"> ● Plough up the land for soil water conservation and start arranging inputs for chickpea and lentil sowing. ● Purchase quality seed of approved varieties from Punjab Seed Corporation. 	
11	BARI, Chakwal	Groundnut	0.22	<p>During rainy season, 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.</p>	Satisfactory			<ul style="list-style-type: none"> ● Crop is under stress condition due to prolonged drought stress at farmer's field. ● Crop is ready to harvest. Some farmers started harvesting of groundnut crop but due to low moisture, harvest losses increase. Due to which farmers stopped harvesting. As soon as receive moisture harvest the crop to reduce harvest losses. 	<p>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</p>

									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.