

Weekly Crop Situation Report

25.09.2021 to 01.10.2021

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 (1st 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"> ● Use fresh and healthy/disease free seed for sugarcane plantation ● Chemical and cultural practices of weed control should be adopted ● Irrigate the September 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 	Frequent feedback received from the farmers

								<ul style="list-style-type: none"> black bugs especially on ratoon crop ● Apply 30% more fertilizer to the ratoon crop ● Use recommended insecticide to control borer etc attack to the crop ● Use Chloripyriphose @ 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	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better seed production as well as better production of fresh crop ● Irrigate the field as per atmospheric conditions ● Spray against insects, pests and diseases ● Weeds must be eradicated to 	New flesh of the crop may increase fresh production of the crop.

								minimize plant weed competition	
		Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers after each picking to enhance fruit yield • Keep the field weed free to remove crop plant and weed competition • Maintain proper irrigation at flowering and fruit development stages 	Early monsoon rain fall may cause a devastating repercussions on the crop performance generally and seed quality in particular.
		Bitter gourd		Myrothecium, Leaf minor, Downy Mildew and viral diseases	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers for better production • Complete sowing of Karali segment crop as soon as possible • Complete thing of crop plants for better plant to plant spacing • Keep clean the field from weeds • Irrigate the crop as per climatic conditions 	Early monsoon rain fall may cause a devastating repercussions on the crop performance.
3	Oilseed Research Institute, Faisalabad	Sesame		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			<ul style="list-style-type: none"> • Fourth irrigation should be provided at seed setting stage • Remove rain water from field as soon as possible • Spray imidacloprid 	

								100 SL@ 200 ml/acre to control mirid bug infestation ● To control Sesame pod borer infestation, Spray Lambda cyhalothrin @ 300 ml/acre	
		Soybean			Satisfactory			● Thinning should be completed before first irrigation ● Remove weak/extra plants to maintain the plant to plant distance of 4 inches ● Do first hoeing before first irrigation ● Give first irrigation after 15 to 20 days of germination. ● Apply half bag of urea with first irrigation	
4	Pulses Research Institute, Faisalabad	Mung						Mung & Mash: ● Remain vigilant about weather condition. In case of heavy rains arrange drainage from fields ● Remain watchful against Yellow Mosaic virus disease in mung and Urdbean	
		Mash							

								<p>crinkle virus disease in mash. Rough out diseased plant and buried deep in soil</p> <ul style="list-style-type: none"> ● Insect especially Spinola bug, whitefly and army worm in kharif sown mung and mash crops is expected in this weather condition. Apply suitable insecticide/pesticides on recommendation of extension agent ● Store harvested Spring sown mung and mash after proper drying and fumigate the produce <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 	
--	--	--	--	--	--	--	--	--	--

5	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds by ploughing the field	Satisfactory			<ul style="list-style-type: none"> ● Weed population must be under control as their proliferation attracts insects and diseases ● Apply regular irrigation ● Install methyl eugenol traps top manage fruit fly ● Recharge traps at fortnightly basis 	
		Date Palm	0.0148	Control red palm weevil by inserting phostoxin tablets in holes made by RPW and mud the holes with chlori mix paste				<ul style="list-style-type: none"> ● Arrange the spathes along with fronds to facilitate thinning 	Start bunch covering of late varieties against rains Continue harvesting of late-season varieties. Separate infected fruit from healthy fruit
		Ber	0.0135					<ul style="list-style-type: none"> ● Start pasting of lime and copper sulfate on stem against high temperature 	Start grafting of rootstocks with scion of approved varieties.
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm	35.7 /25.1 °C (Faisalabad) 35.00/23.57 °C (Farooqabad) 35.71/22.68°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

						(Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	36.8 /24.8 °C (Karor, Layyah) 39.0/24.0°C (Bahawalpur)	<ul style="list-style-type: none"> ● Apply urea to the spring planted crop 	vigorous crop growth and yield.
		Rice						<ul style="list-style-type: none"> ● Complete production technology can be found at http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf. Weed management, Insect Pest and disease management should be done at proper time with application of suitable pesticides 	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.
		Cotton						<ul style="list-style-type: none"> ● Irrigate the crop as per the need ● Use appropriate insecticide for the control of sucking insect (Jassid and Thrips) ● Apply urea to the crop in split dose. Clean and neat picking should be given due attention where it is ready for picking ● Sucking pest (Jassid + Bugs) should be controlled by the 	Fertilizer management should be based on soil fertility status and irrigation of crops should be based on weather forecast. Pest scouting may be done where necessary and

								timely application of recommended pesticides	coordinate the Agri. extension staff.
		Sesame						<ul style="list-style-type: none"> ● Irrigate the crop as per the need ● Use appropriate insecticide for the control of insect pests ● Bug infestation (if appears) should be controlled timely. Drain the excess water in case of heavy rains 	
		Maize						<ul style="list-style-type: none"> ● Irrigate the crop as per the need. Use appropriate insecticide and weedicide for the control of insect pests and weeds respectively ● Fall army worm should be controlled timely with proper management 	
7	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-2.2% Pyrilla 0-1.75 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.45					

		Cotton	Whitefly 0-6 Thrips Nil Jassid 0-0.3 American Bollworm Nil Pink Bollworm Negligible Dusky Cotton Bug Nil					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-1.75 nymph or adult/ branch					
		Citrus	Fruit Fly 0-4.4 % Psylla 0-2.10 per Leafminer 0-4.40% Black Fly 0-1.7 per leaf					
		Guava	Fruit Fly 0-6.95% infestation 0-21/trap/week Fruit Borer 0-0.43 %					
		Vegetables	Brinjal fruit borer 0-6.75% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects					

				Below ETL Fruit Fly 0-6.35% Jassid 0-0.55 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Rabi Fodder		Attack of fall armyworm was observed in Maize crop.	Good			<ul style="list-style-type: none"> ● Pest control measures against insect attack especially fall army worm may be taken ● Farmers may be vigilant about the availability moisture of seed crops of sorghum and maize 	
9	Mango Research Institute, Multan	Mango		Fruit fly infestation was recorded in the orchards still having fruits of late cultivars. The incidence of bacterial leaf infection in dense orchard was also noticed in traces.	Satisfactory			<ul style="list-style-type: none"> ● The formulated management package after harvest of the crop was strongly recommended to implement for the next year crop ● Spray of copper-based fungicide was recommended after pruning to check the secondary infection of different diseases ● Protection of old and new vegetative 	As high humidity was found in dense orchard condition which may produce conducive environment for outbreak of bacterial infection.

								growth from insect pests, diseases and any other abiotic stresses is prophesy of the good crop for the next year	
10	Citrus Research Institute, Sargodha	Citrus		<p>Plant Pathology Division Some symptoms of citrus scab and citrus canker diseases observed on fruit and leaves of citrus orchard respectively.</p> <p>Entomology Division There is minor infestation of fruit fly in citrus orchard. In nursery and on new flush of citrus plants infestation of citrus psylla and leaf miner was also observed.</p>	Satisfactory			<ul style="list-style-type: none"> ● Regular pest monitoring should be done ● Apply foliar spray of Spinetoram @ 0.25g/ liter of water for the control of fruit fly and also install pheromone trap @ 5 per acre ● For leaf miner and citrus psylla spray of Bifenthrin and thiamethoxam should be applied according to infestation ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for citrus canker and Topsin M @ 2 gm/liter of water for fungal diseases is recommended 	
11	PPRI, Faisalabad	Cotton		CLCuV 25%	Satisfactory			<ul style="list-style-type: none"> ● Keep a close check on crop daily 	The infestation may increase in the coming

									weeks.	
		Rice		Brown leaf spots (6%)	Satisfactory				<ul style="list-style-type: none"> ● Use recommended fungicides where necessary 	
12	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"> ● 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				<ul style="list-style-type: none"> ● Avoid stress at fruit hardening stage 	Advisory services are provided to the farmers at the institute as well as on the farms.