

Weekly Crop Situation Report

17.04.2021 to 23.04.2021

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp.°C	Advisory to farmers	Additional remarks
1	Wheat Research Institute, Faisalabad	Wheat	Punjab = 16.210 Pakistan = 22.635		Good			<ul style="list-style-type: none"> ● In the case of rain stop harvesting till weather become feasible / suitable ● Off type plants should be removed from the fields of seed crop. Healthy and disease free fields should be selected for seed of next year crop ● For seed storage stores should be cleaned and fumigated ● Please keep in mind Covid-19 epidemic and follow all the recommended SOPs and avoid unnecessary gathering 	
2	Sugarcane Research Institute, Faisalabad	Sugarcane	776 (000) ha (2nd estimate, Crop	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, Earthing up 	Frequent feedback received from the farmers.

			reporting services 2020-21)					<p>should be done</p> <ul style="list-style-type: none"> ● In September planted apply one bag of Urea and one bag granular/acre ● Use sugarcane trash as mulch to conserve moisture ● 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 ● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop ● Disc ratooner, stubble shaver should be used in ratoon crop ● Apply first dose of Urea fertilizer to the spring planted 	
--	--	--	-----------------------------	--	--	--	--	--	--

								crop of sugarcane	
3	Vegetable Research Institute, Faisalabad	Spinach		Aphid and Jassid	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 condition for better fresh production ● Spray against insects, pests and diseases ● Save the crop from frost in growing area ● Weeds must be eradicated to minimize plant weed competition ● Remove extra rainy water from area 	The crop is at seed setting stage hence the fresh crop production is decreasing in yield and quality.
		Coriander		Aphid, Jassid and cutworm	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 according to climatic conditions ● Apply nitrogen fertilizer after every cutting of crop ● Spray against pests and diseases if any 	

							<ul style="list-style-type: none"> ● Remove extra rainy water from area 	
	Peas		Aphid & Leaf minor	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers ● Spray for eradication of weeds and disease pathogens ● Irrigation in accordance with the climatic conditions ● Adopt recommended seed production technology for better seed production ● Remove extra rainy water from area 	The crop is seed 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 flowering and fruit development stage ● Spray against insect pests and diseases ● Remove extra rainy water from area 	The favorable climatic conditions supplant the fresh production of crop. Moreover, the gradual temperature fluctuations may badly affects the fruit quality.
	Onion		Thrips, white tip, Purple blotch, downy mildew,	Satisfactory			<ul style="list-style-type: none"> ● Spray against insect pests and diseases ● Adopt proper 	The crop is moving at umbel

				and B. blight.				<p>cultural practices i.e., hoeing and fertigation etc</p> <ul style="list-style-type: none"> ● Adopt recommended seed production technology for better seed production ● Remove extra rainy water from area 	<p>formation stage hence implicating badly on fresh production f crop.</p>
	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 high temperature effects ● Spray against sucking insects if required ● Keep filed weed free in both tunnels and open field ● Remove extra rainy water from area 	<p>The crop is at flowering and fruit setting stage hence boost up of fresh production.</p>
	Vegetable Marrow			Red pumpkin beetle, gray mold, 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 	<p>The tunnel crop is seed setting and maturation stage whereas open filed crop is at flowering and fruiting</p>

								properly according to climatic conditions at flowering and fruit development stage in tunnel sown crop	stage.
		Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> ● Spray against insect pests & diseases ● Remove extra rainy water from area 	
		Okra/Lady Finger		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better production ● Fertilizer application after each picking ● Planting on both side of ridges keeping field in weed free condition ● Irrigate the field climatic conditions and keep the field in watar conditions ● Remove extra rainy water from area 	Prediction of heavy loss due to unprecedente d storm and rainfall may deteriorate fruit yield and quality.
4	Oilseed Research	Linseed			Satisfactory			<ul style="list-style-type: none"> ● When 90 % of capsules turn 	

	Institute, Faisalabad							golden brown, the crop is ready for harvest <ul style="list-style-type: none"> ● Harvest the crop, make their bundles, and leave them in the field for sun-drying ● Wheat thresher can be used for its threshing 	
		Sunflower			Satisfactory			<ul style="list-style-type: none"> ● Spray Emamectin benzoate 1.9 EC @ 200 ml/acre, when head moth larvae are found at onion stage. ● Don't Spray 15 days before harvesting 	
		Masoor							
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"> ● Continue regular cultural practices ● Install pheromone traps to control fruit fly 	
		Date Palm	0.0148	Spray chlropyriphos around the stems which are exposed to red palm weevil and				<ul style="list-style-type: none"> ● Collect male spathes and spread over sheets for pollen shedding under sun ● Continue pollination 	Remain covered the newly planted suckers from the top and apply light

				do earthen up					irrigation. Do pollination according to the spathe opening.
		Ber	0.0135	Eradicate weeds from field Collect fallen fruits and burry deep in soil	Satisfactory			<ul style="list-style-type: none"> ● Eradicate weeds from the field ● Do hoeing around grafted plants 	Uncover the polythene sheet from grafted plants that sprouted well. Cut sprouts from rootstock.
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	14.0 mm (Faisalabad) 4.2 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal)	31.4/19.2°C (Faisalabad) 27.42/16.00°C (Farooqabad) 31.74/18.31°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.
		Wheat			Satisfactory	02.0 mm (Karor, Layyah) 1.0 mm (Bahawalpur)	30.2/17.0°C (Karor, Layyah) 40.0/22.0°C (Bahawalpur)	<ul style="list-style-type: none"> ● Heavy rains and wind storms at several places have resulted in lodging of wheat crop. So, be careful about the weather while harvesting and threshing the crop ● Proper storage conditions must be given due attention prior to storing the threshed wheat 	

7	Entomological Research Institute, Faisalabad	Sugarcane	Borers Complex 0-1.35% Pyrilla 0-1.05 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.0	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 	
		Wheat	Crop at maturity					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-1.10 nymph or adult/branch					
		Citrus	Fruit Fly 0-3.55 % infestation Psylla 0-1.65 per Leafminer 0-3.90% Black Fly 0-1.50 per leaf					
		Guava	Fruit Fly 0-6.40% infestation 0.15/trap/week Fruit Borer 0-0.65 %					
		Vegetables	Brinjal fruit borer 0-5.45% Thrips Below ETL Mites Below ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.50% Jassid 0-0.50 per leaf					

		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Rabi Fodder		Shoot fly attack was also observed in Khairf fodders	Good			<ul style="list-style-type: none"> Follow the recommendation of Agriculture Department to control the insect attack in berseem 	

9	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<p><u>Plant Pathology Division</u> Symptoms of Citrus canker were observed on the new flush of citrus nursery Symptoms of scab and fungal diseases spots were observed on some leaves of old orchard trees.</p> <p><u>Entomology Division</u> Minor infestation of Citrus psylla in the citrus orchard.</p> <p><u>Weeds Condition</u> Weeding practice was done manually in the Govt. orchard</p>	Satisfactory			<ul style="list-style-type: none"> ● Surveillance and monitoring of mealybug infestation should be carried out at regular interval and two sprays of Spirotetramat @ 2 ml/ liter of water at two week interval should be applied ● For citrus psylla apply spray of Thiamethoxam @ 0.25 gm/ liter of water ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for citrus canker and Azoxy strobil @ 1 ml/lit. of water for fungal diseases is recommended where fruit has been harvested 	
10	PPRI, Faisalabad	GUAVA		Bacterial Blight Upto 10%				<ul style="list-style-type: none"> ● spray the plants with ● Flare @ 1gm/liter of water ● Thrill @ 2gm/liter of water. ● Kocid @3gm/liter of water 	

		Cauliflower	Bacterial Soft rot Upto 06%				<ul style="list-style-type: none"> ● Spray the crop with one of the following fungicides ● Bordexure mixture (4:4:50) ● Thrill @ 3g/liter of water ● Kocide @ 3gm/liter of water 	
		Spinich	Stemphylium blight Upto 12%				<ul style="list-style-type: none"> ● spray the crop after cutting with: ● Topsin-M @2gm/liter of water ● Cytrol @ 2gm/liter of water 	
		Berseem	Stem and crown rot Upto 11%				<ul style="list-style-type: none"> ● spray the crop along with adjacent soil thoroughly with one of the following fungicides immediately after cutting the crop to save the next cutting: ● Amistar Top @ 2cc/liter of water ● Score @ 1cc/liter of water ● Note: Avoid over irrigation 	

11	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.				<ul style="list-style-type: none"> ● Select sandy soil to grow groundnut for better yield ● Fertilizer should be added @ 3.5 bags per acre SSP, ½ bag Urea and 1/2 bag SOP ● Sowing should be started when attain required moisture. This is suitable time of sowing for groundnut ● Seed rate should be kept about 40kg/acre seeds or 70 kg/acre whole pods ● Sowing should be done with seed drill 	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		Very mild attack of wooly aphid is being observed at a few orchards.				<ul style="list-style-type: none"> ● Advisory services are provided to the farmers at the institute as well as on the farms 	Control the attack of Wooly Aphid by spraying Biphenthrine @4ml/ L of water Control Termites attacks in new planted olive plants by applying Chlorpyrifos

									@ 7ml/L of water Avoid water stress during the flowering stage
12	Arid Zone Research Institute, Bhakkar	Wheat						<ul style="list-style-type: none"> ● Make proper arrangements for harvesting/ machinery / labour ● Harvesting is under process ● To maintain good quality seed for next year, the off type plants must be uprooted before harvesting 	
		Chickpea						<ul style="list-style-type: none"> ● Make proper arrangements for harvesting/ machinery / labour ● Harvesting is almost completed ● To maintain good quality seed for next year, the off type plants must be uprooted before harvesting ● It is also important to fumigate the seed stores to reduce store grain pest ● If the produce grains are greenish 	

								or not fully ripened than they must be sun dried	
--	--	--	--	--	--	--	--	--	--