

Weekly Crop Situation Report

03.04.2021 to 09.04.2021

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"> ● Stop any further inputs like fungicidal spray, irrigation and fertilizer etc ● Crop is at maturity and near to harvest so, please arrange harvesting machinery like tractor, thresher, combine harvester etc ● 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 reporting services 2020-21)	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 ● 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- 	Frequent feedback received from the farmers

								400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop	
3	Vegetable Research Institute, Faisalabad	Spinach		Aphid and Jassid	Satisfactory			<ul style="list-style-type: none"> ● Disc ratooner, stubble shaver should be used in ratoon crop 	
		Cauliflower		Aphid, Jassid and Cabbage butterfly	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 	The crop is at seed setting stage hence the fresh crop production is decreasing in yield and quality.
								<ul style="list-style-type: none"> ● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Irrigate the field according to 	The crop is at seed setting stage hence implicating adverse effects on its

							<ul style="list-style-type: none"> ● climatic conditions. ● Spray against pre and post emergence weeds ● Adopt recommended seed production technology 	fresh head production.
	Cabbage		Aphid, Jassid, Blight, Grey mold and cabbage butterfly	Satisfactory			<ul style="list-style-type: none"> ● Irrigate the field according to climatic conditions ● 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 	The crop is at seed setting stage hence implicating adverse effects on its fresh head production.
	Carrot			Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for uniform and significantly higher root yield ● Irrigation according to climatic conditions ● Spray against pre emergence as well 	Crop is at seed setting stage hence fresh production is decreasing in production and quality.

								<p>as post emergence weeds</p> <ul style="list-style-type: none"> ● Spray against insect pests and diseases ● No more delay in steckling for better seed production ● Maintenance of recommended distance for better seed production 	
	Coriander		Aphid, Jassid and cutworm	Satisfactory				<ul style="list-style-type: none"> ● Irrigate the field according to climatic conditions ● Apply nitrogen fertilizer after every cutting of crop ● Spray against pests and diseases if any ● Adopt recommended seed production technology for better seed production 	Crop is at seed setting stage hence fresh production is decreasing in production and quality.
	Peas		Medium to high	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 	The crop is seed maturation stage hence lowering the yield of fresh production.

							technology for better seed 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 	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, 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 ● Adopt recommended seed production technology for better seed production 	The crop is moving at umbel formation stage hence implicating badly on fresh production f crop.
	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 	The crop is at flowering and fruit setting stage hence boost up of fresh production.

								<ul style="list-style-type: none"> effects ● Spray against sucking insects if required ● Keep filed weed free in both tunnels and open field 	
		Vegetable Marrow		Red pumpkin beetle, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> ● No more delay in sowing of crop in open field ● Remove plastic sheets from tunnel to manage high temperature effects ● 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 	The tunnel crop is seed setting and maturation stage whereas open filed crop is at flowering and fruiting stage.
4	Oilseed Research Institute, Faisalabad	Linseed			Satisfactory			<ul style="list-style-type: none"> ● Third irrigation should be provided at initial stage of seed setting ● Don't Spray 15 	

							days before harvesting	
		Sunflower			Satisfactory		<ul style="list-style-type: none"> ● Earthing up around plants should be done before irrigation ● Second irrigation should be provided after 20 days of first irrigation ● 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 	
5	Pulses Research Institute, Faisalabad	Gram			Not Satisfactory		<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 ● Farmers especially in Rawalpindi Division and 	Overall condition of gram crop on rain fed farmer's field in Thal is not Satisfactory due to prolong dry spell during vegetative growth period. The grain yield during current year is expected
		Masoor						

								<p>Mankera Tehsil should remain vigilant about the weather conditions. In case of repeated rain splashes in chickpea area the disease Ascochyta Blight of Chickpea may appear</p> <ul style="list-style-type: none"> ● In case disease infestation observed, uproot the infected plant and buried them deep in the soil ● Store the harvested produce after drying and cleaning ● Air tight the store after fumigation <p>Spring sown Mung & Mash:</p> <ul style="list-style-type: none"> ● Eradicate the weeds from fields 	to be much lower.
6	Horticulture Research Institute, Faisalabad	Guava	0.139	<p>Infestation of weeds were recorded Remove weeds by ploughing the field</p>	Satisfactory			<ul style="list-style-type: none"> ● Continue regular cultural practices ● Install pheromone traps to control fruit fly 	
		Date Palm	0.0148	<p>Spray chlropyriphos around the stems which are exposed to red palm weevil and</p>				<ul style="list-style-type: none"> ● Collect male spathes and spread over sheets for pollen shedding under sun ● Continue 	Remain covered the newly planted suckers from the top and

				do earthen up				pollination	apply light irrigation. Do pollination according to the spathe opening.
		Ber	0.0135	Eradicate weeds from field. Apply third spray of tri chlorofon against fruit fly if needed	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
7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	1.4mm (Faisalabad) 1.2mm (Farooqabad, S.Pura) 2.0 mm (Khanewal) 1.0 mm (Karor, Layyah) 1.0 mm (Bahawalpur)	32.3/16.4°C (Faisalabad) 30.57/16.85°C (Farooqabad) 32.35/13.8°C (Khanewal) 32.3/15.9°C (Karor, Layyah) 37.0/19.0°C (Bahawalpur)	<ul style="list-style-type: none"> ● Irrigate the crop as per the need ● Rouge out the diseased plants from the field ● Beware of the rodents as well. Use appropriate insecticide for the control of root borer ● Do not irrigate the crop which is to be harvested ● Use only the recommended varieties for sowing of spring crop 	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
		Wheat			Satisfactory			<ul style="list-style-type: none"> ● Heavy rains and wind storms at several places have 	

							resulted in lodging of wheat crop. So do not irrigate the crop in such conditions	249.
8	Entomologica I Research Institute, Faisalabad	Sugarcane	Borers Complex 0-1.25% Pyrilla 0-0.95 per leaf Mealybug Nil Whitefly Nil Black bug 0-1.9	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	Aphid 0-5 per tiller					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-0.95 nymph or adult/ branch					
		Citrus	Fruit Fly 0-3.25 % Psylla0-1.45 per Leafminer 0-3.75% Black Fly 0-1.30 per leaf					
		Guava	Fruit Fly 0-6.2% infestation 0.13/trap/week Fruit Borer 0-0.6 %					
		Vegetables	Brinjal fruit borer 0-5.25% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.2%					

				Jassid 0-0.40 per leaf				
		Rice		Plant Hopper Nil				
		Maize		Stem borer Nil				
9	Fodder Research Institute, Sargodha	Rabi Fodder		Minor attack of shoot fly was observed in early sown kharif fodders. Minor attack of army worm was observed in Berseem seed crop.	Good			<ul style="list-style-type: none"> ● Irrigate the berseem crop, left for seed ● Pest control measures must be taken according to the recommendations of agriculture department
10	Citrus Research Institute, Sargodha	Citrus		<p>Plant Pathology Division Symptoms of Citrus canker, scab and fungal diseases spots were observed on some leaves of old trees.</p> <p>Entomology Division Minor infestation of Citrus psylla and lemon butterfly was observed in the citrus orchard.</p>				<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 and lemon butterfly apply spray of Novastar @ 0.5ml/ liter of water ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water is

								recommended where fruit has been harvested	
11	PPRI, Faisalabad	GUAVA	Bacterial Blight Upto 09%					<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 13%					<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	
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			● Start preparation of land and seed for sowing crop in coming season ● Select sandy soil to grow groundnut for better yield. Sowing should be started when attain required moisture ● Fertilizer should be added @ 3.5 bags per acre SSP, ½ bag Urea and 1/2 bag SOP 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.	Satisfactory			● 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 Chlorpyripho s @ 7ml/L of water Bring consideration of your activities for next year fruiting orchard
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