

# Weekly Crop Situation Report

24.04.2021 to 30.04.2021

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"> <li>● In the case of rain stop harvesting till weather become feasible / suitable</li> <li>● 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</li> <li>● For seed storage stores should be cleaned and fumigated</li> <li>● Please keep in mind Covid-19 epidemic and follow all the recommended SOPs and avoid unnecessary gathering</li> </ul>	
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"> <li>● Chemical and cultural practices of weed control should be adopted</li> <li>● In September planted sugarcane crop, Earthing up</li> </ul>	Frequent feedback received from the farmers

			reporting services 2020-21)					<p>should be done</p> <ul style="list-style-type: none"> <li>● In September planted apply one bag of Urea and one bag granular/acre</li> <li>● Use sugarcane trash as mulch to conserve moisture</li> <li>● Irrigate the September and Spring planted sugarcane according to crop requirement and weather forecast</li> <li>● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved</li> <li>● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop</li> <li>● Apply 30% more fertilizer to the ratoon crop</li> <li>● Apply first dose of Urea fertilizer to the spring planted crop of sugarcane</li> </ul>	
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3	Vegetable Research Institute, Faisalabad	Spinach		Aphid and Jassid	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better seed production as well as better production of fresh crop</li> <li>● Irrigate the field as per atmospheric condition for better fresh production</li> <li>● Spray against insects, pests and diseases</li> <li>● Save the crop from frost in growing area</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	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"> <li>● Judicious use of fertilizers for better seed production as well as better production of fresh crop</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Apply nitrogen fertilizer after every cutting of crop</li> <li>● Spray against pests and diseases if any</li> </ul>	The crop is at seed setting stage hence the fresh crop production is decreasing in yield and quality.
		Peas		Aphid & Leaf minor	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers</li> <li>● Spray for</li> </ul>	The crop is seed maturation

							<p>eradication of weeds and disease pathogens</p> <ul style="list-style-type: none"> <li>● Irrigation in accordance with the climatic conditions</li> <li>● Adopt recommended seed production technology for better seed production</li> </ul>	<p>stage hence lowering the yield of fresh production.</p>
	Tomato		Aphid Jassid, Blight, Grey mold.	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers and proper irrigation at flowering and fruit development stage</li> <li>● Spray against insect pests and diseases</li> </ul>	<p>The favorable climatic conditions supplant the fresh production of crop. Moreover, the gradual temperature fluctuations may badly affects the fruit quality.</p>
	Onion		Thrips, white tip, Purple blotch, downy mildew, and B. blight.	Satisfactory			<ul style="list-style-type: none"> <li>● Spray against insect pests and diseases</li> <li>● Adopt proper cultural practices i.e., hoeing and fertigation etc</li> <li>● Adopt recommended seed production technology for</li> </ul>	<p>The crop is moving at umbel formation stage hence implicating badly on fresh production f crop.</p>

							better seed production	
	Chilies		Aphid, Thrips, viral infestation	Satisfactory			<ul style="list-style-type: none"> <li>• Judicious use of fertilizers and proper irrigate the field</li> <li>• Remove the plastic sheet to manage high temperature effects</li> <li>• Spray against sucking insects if required</li> <li>• Keep filed weed free in both tunnels and open field</li> </ul>	The crop is at flowering and fruit setting stage hence boost up of fresh production.
	Vegetable Marrow		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> <li>• Judicious use of fertilizer for proper growth and development</li> <li>• Keep clean the field from pre-emergence weeds and remove post emergence weeds</li> <li>• Irrigate the field properly according to climatic conditions at flowering and fruit development stage in tunnel sown crop</li> <li>• Spray against insect pests &amp; diseases</li> </ul>	Open filed crop is at flowering and fruiting stage. The heavy storm and rainfall may deteriorate the fruit quality and yield.
	Bottle gourd		Red pumpkin beetle, girding weevil and fruit	Satisfactory			<ul style="list-style-type: none"> <li>• Judicious use of fertilizers after each picking</li> </ul>	

				fly				<ul style="list-style-type: none"> <li>● Keep the field weed free and irrigate the field according to climatic conditions</li> </ul>	
		Okra/Lady Finger		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production</li> <li>● Fertilizer application after each picking</li> <li>● Planting on both side of ridges keeping field in weed free condition</li> <li>● Irrigate the field climatic conditions and keep the field in wattar conditions</li> </ul>	
4	Oilseed Research Institute, Faisalabad	Linseed		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			<ul style="list-style-type: none"> <li>● When 90 % of capsules turns golden brown, the crop is ready for harvest</li> <li>● Harvest the crop, make their bundles, and leave them in the field for sun-drying</li> <li>● Wheat thresher can be used for its threshing</li> </ul>	
		Sunflower						<ul style="list-style-type: none"> <li>● Spray Emamectin benzoate 1.9 EC @ 200 ml/acre, when head moth larvae are found at onion stage</li> </ul>	

								<ul style="list-style-type: none"> <li>● Don't Spray 15 days before harvesting</li> </ul>	
5	Pulses Research Institute, Faisalabad	Gram	1961		Not Satisfactory			<ul style="list-style-type: none"> <li>● <b>Rabi Crop: (Chickpea &amp; lentil)</b></li> <li>● Remove diseased plants from the field before harvesting to avoid diseased seed contamination and buried them deep in the soil</li> <li>● Remain vigilant about weather forecast before harvesting</li> <li>● Store the harvested produce after drying and cleaning</li> <li>● Air tight the store after fumigation</li> </ul>	
		Masoor	1.96					<ul style="list-style-type: none"> <li>● <b>Spring sown Mung &amp; Mash:</b></li> <li>● Eradicate the weeds from fields</li> <li>● Apply post-emergent herbicides to control broad and narrow leaf weeds</li> <li>● Remained vigilant against insect pest especially thrips, surface hopper and army worm</li> <li>● Irrigate the spring</li> </ul>	

								sown crop wherever needed	
6	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"> <li>● Continue regular cultural practices</li> <li>● Install pheromone traps to control fruit fly</li> <li>● Remove dead or dried branches. Spray fungicide after pruning</li> </ul>	
		Date Palm	0.0148	Spray chlropyriphos around the stems which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> <li>● Collect male spathes and spread over sheets for pollen shedding under sun. Continue pollination</li> </ul>	
		Ber	0.0135	Eradicate weeds from field  Collect fallen fruits and burry deep in soil	Satisfactory			<ul style="list-style-type: none"> <li>● Eradicate weeds from the field. Do hoeing around grafted plants. Apply nutrients to boost growth</li> </ul>	Uncover the polythene sheet from grafted plants that sprouted well. Cut sprouts from rootstock.
7	Agronomic Research Institute, Faisalabad	Sugarcane			Normal	0.0 mm (Faisalabad) 13.2 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 03.0 mm	37.7/20.1°C (Faisalabad) 35.57/24.57°C (Farooqabad) 37.08/18.92°C (Khanewal) 37.8/20.1°C (Karor, Layyah)	<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate insecticide for the control of root borer</li> <li>● Cultural weed control must be</li> </ul>	Effective weed control is a prerequisite for ensuring healthier and vigorous crop growth



					(Karor, Layyah) 0.0 mm (Bahawalpur)	42.0/23.0°C (Bahawalpur)	<p>given attention as well</p> <ul style="list-style-type: none"> <li>● Apply urea to spring planted sugarcane</li> <li>● Be aware of the weather forecast prior to thresh the wheat crop</li> <li>● Proper storage conditions must be given due attention prior to storing the threshed wheat</li> </ul>	<p>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.</p>
		Wheat			Normal			
8	Entomological Research Institute, Faisalabad	Sugarcane	<p>Borers Complex 0-1.4% Pyrilla 0-1.25 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.2</p>	Fruit borer and fruit fly are present on guava			<ul style="list-style-type: none"> <li>● Creating awareness among farmers about major insect pests problem and suggested Integrated approach for controlling insect pests</li> </ul>	
	Wheat		Crop at maturity					
	Mango		<p>Mango Fruit Fly Nil Mango Hopper 0-1.2 nymph or adult/ branch</p>					
	Citrus		<p>Fruit Fly 0-3.6 % Psylla0-1.75 per Leafminer 0-3.95% Black Fly 0-1.55 per leaf</p>					

		Guava		Fruit Fly 0-6.5% infestation 0.15/trap/week Fruit Borer 0-0.60 %				
		Vegetables		Brinjal fruit borer 0-5.55% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.55% Jassid 0-0.55 per leaf				
		Rice		Plant Hopper Nil				
		Maize		Stem borer Nil				
9	Fodder Research Institute, Sargodha	Rabi Fodder		Minor attack of army worm was observed in Berseem. Minor attack of stem borer was observed in Maize.	Good			<ul style="list-style-type: none"> <li>● Irrigation must be applied to the maize crop at tasseling stage for healthy seed production</li> <li>● Pest control measures must be taken according to the recommendations of agriculture department</li> </ul>
10	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<b><u>Plant Pathology Division</u></b> Symptoms of Citrus canker	Satisfactory			<ul style="list-style-type: none"> <li>● Surveillance and monitoring of mealybug infestation should</li> </ul>

				<p>were observed on the new flush of citrus nursery</p> <p>Symptoms of scab and fungal diseases spots were observed on some leaves of old orchard trees.</p> <p><b><u>Entomology Division</u></b> Minor infestation of Citrus psylla in the citrus orchard.</p> <p><b><u>Weeds Condition</u></b> Weeding practice was done manually in the Govt. orchard</p>				<p>be carried out at regular interval and two sprays of Spirotetramat @ 2 ml/ liter of water at two week interval should be applied</p> <ul style="list-style-type: none"> <li>• For citrus psylla apply spray of Thiamethoxam @ 0.25 gm/ liter of water</li> <li>• Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for citrus canker and Azoxystrobin @ 1 ml/lit. of water for fungal diseases is recommended where fruit has been harvested</li> </ul>	
11	PPRI, Faisalabad	Spinich		Stemphylium blight Upto 10%	Satisfactory			<p>Spray the crop after cutting with:</p> <ul style="list-style-type: none"> <li>• Topsin-M @ 2gm/liter of water</li> <li>• Cytrol @ 2gm/liter of water</li> </ul>	
		Berseem		Stem and crown rot Upto 10%	Satisfactory			<p>Spray the crop along with adjacent soil thoroughly with</p>	

								<p>one of the following fungicides immediately after cutting the crop to save the next cutting:</p> <ul style="list-style-type: none"> <li>● Amistar Top @ 2cc/liter of water</li> <li>● Score @ 1cc/liter of water</li> <li>● Note: Avoid over irrigation</li> </ul>	
		Tobacco		Downy mildew 8 %	Satisfactory			<p>Spray the crop with.</p> <ul style="list-style-type: none"> <li>● Ridomil Gold @ 2gm /liter of water.</li> <li>● Curzate @ 3gm/liter of water</li> <li>● Aliette @ 3 gm/liter of water</li> </ul>	
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"> <li>● Select sandy soil to grow groundnut for better yield</li> <li>● Fertilizer should be added @ 3.5 bags per acre SSP, 1/2 bag Urea and 1/2 bag SOP. Sowing should be started when attain required moisture</li> <li>● This is suitable time of sowing for groundnut</li> <li>● Seed rate should be kept about</li> </ul>	<p>Agricultural Experts should be consulted for the control of insects &amp; diseases. Farmers can contact on Mobile phone No. 0334562212 5 (Fida Hassan Shah) for the production</p>

								40kg/acre seeds or 70 kg/acre whole pods. Sowing should be done with seed drill	technology and problems of Groundnut crop.
		Olive	.	Very mild attack of wooly aphid is being observed at a few orchards.	Satisfactory			<ul style="list-style-type: none"> <li>● Control the attack of Wooly Aphid by spraying Biphenthrine @4ml/ L of water</li> <li>● Control Termites attacks in new planted olive plants by applying Chlorpyrifos @ 7ml/L of water</li> <li>● Avoid water stress during the flowering stage</li> </ul>	
13	Arid Zone Research Institute, Bhakkar	Wheat			Satisfactory			<ul style="list-style-type: none"> <li>● Harvesting is completed</li> <li>● To maintain good quality seed for next year, the off type plants must be uprooted before harvesting</li> </ul>	
		Chickpea						<ul style="list-style-type: none"> <li>● Harvesting is completed</li> <li>● To maintain good quality seed for next year, the off type plants must be uprooted before harvesting</li> <li>● It is also important to fumigate the</li> </ul>	

								seed stores to reduce store grain pest ● If the produce grains are greenish or not fully ripened than they must be sun dried	
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