

# Weekly Crop Situation Report

16.04.2022 to 22.04.2022

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"> <li>● Chemical and cultural practices of weed control should be adopted</li> <li>● In September planted sugarcane crop, Earthening up should be done</li> <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>● Disc ratooner, stubble shaver should be used in ratoon crop</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> </ul>	Frequent feedback received from the farmers

								<ul style="list-style-type: none"> <li>● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop</li> </ul>	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight & Army worm	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production of fresh crop</li> <li>● Irrigate the field as per atmospheric conditions</li> <li>● Spray against insects, pests and diseases</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.
		Cauliflower		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Adopt recommended seed production technology</li> <li>● Application of phosphorous fertilizer essential for better growth and development at</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Crop of mid/late planting is at bolting stage hence fresh

								head formation stage	production is decreasing where as normal planting crop at seed setting stage.
		Cabbage		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Adopt recommended seed production technology</li> <li>● Application of phosphorous fertilizer essential for better growth and development at head formation stage</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Crop of late planting is at bolting stage hence fresh production is decreasing where as normal planting crop at seed setting stage.
		Coriander		Cutworm, Jassid and White fly	Satisfactory			<ul style="list-style-type: none"> <li>● Irrigate the field according to climatic conditions</li> <li>● Keep the field weed free</li> <li>● Spray against pests and diseases if any</li> <li>● Adopt recommended seed</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison

							production technology for better seed production <ul style="list-style-type: none"> <li>● Maintenance of recommended distance for better seed production</li> </ul>	with last year April. The crop is at seed setting hence implicating adverse effects on its fresh production
	Peas		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Adopt recommended seed production technology for better seed production</li> <li>● Spray for eradication of weeds, insects and disease pathogens</li> <li>● Irrigation in accordance with the climatic conditions</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. The crop is at seed maturation stage hence lowering the yield of fresh production.
	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> <li>● Proper irrigation at flowering and fruit development stage</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April.

							according to prediction of rainfall	
	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. make arrangements for proper storage of bulb</li> <li>● Adopt recommended seed production technology for better seed production</li> </ul>	Early shifting of crop towards maturity due to abrupt temperature elevation in comparison with last year April. Crop is moving towards reproductive (amble formation) stage hence reducing fresh bulb production
	Chilies		Aphid, Thrips, viral infestation	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers and proper irrigate the field at flowering and fruit development stage.</li> <li>● Spray against sucking insects if required</li> <li>● Keep filed weed free in both tunnels and open field</li> </ul>	
	Vegetable Marrow		Red pumpkin beetle, gray	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizer for proper</li> </ul>	

			mold, rotening, Aphid & Fungal Diseases.				<p>growth and development</p> <ul style="list-style-type: none"> <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>	
	Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers after each picking</li> <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 wattaar conditions</li> </ul>	

3	Oilseed Research Institute, Faisalabad	Sunflower			Satisfactory			<ul style="list-style-type: none"> <li>• Third irrigation should be provided at flowering</li> <li>• Fourth irrigation should be provided at seed setting stage</li> <li>• Spray Emamectin Benzoate 1.9 EC @ 200 ml/acre to manage the infestation of Head Moth.</li> </ul>
4	Pulses Research Institute, Faisalabad	Mung			Overall condition of gram crop on rain fed farmer's field in Thal is not Satisfactory . Due to abrupt rise in temperature and dry spell during vegetative growth period crop yield may be affected.			<p><b>Rabi Crop: (Chickpea &amp; lentil)</b></p> <ul style="list-style-type: none"> <li>• Remain vigilant about weather forecast before harvesting</li> <li>• While harvesting remove diseased plants from the field to avoid diseased seed contamination and buried them deep in the soil</li> <li>• Store the harvested produce after drying and cleaning</li> <li>• Air tight the store after fumigation</li> </ul> <p><b>Spring sown Mung &amp; Mash:</b></p> <ul style="list-style-type: none"> <li>• Eradicate the weeds from fields. Apply post-emergent herbicides to</li> </ul>
		Mash						

								control broad and narrow leaf weeds <ul style="list-style-type: none"> <li>● Remained vigilant against insect pest specially surface hopper and army worm</li> <li>● Irrigate the spring sown crop wherever needed</li> </ul>	
5	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded	Satisfactory			<ul style="list-style-type: none"> <li>● Prune diseased/damaged or frost affected branches</li> <li>● Do training of previously planted plants in order to develop proper and strong framework/canopy of plants</li> <li>● Apply Bordeaux paste or fungicide immediately after pruning on fresh cuts/wounds to avoid infection</li> <li>● Farmers should apply fungicidal spray just after pruning and before flowering on-set</li> </ul>	Apply irrigation at 2-3 week interval. Focus on orchard floor sanitation. Recharging of sex pheromone traps and spray of protein hydrolysate+ Malathion at 10-15 days interval
		Date Palm	0.0148	Control red palm weevil by Inserting Phostoxin tablets				<ul style="list-style-type: none"> <li>● Complete new plantation of offshoot / suckers in the field</li> </ul>	



				in holes made by RPW or hang pheromone traps on the palms				<ul style="list-style-type: none"> <li>• Continue weekly irrigation to newly planted plants</li> <li>• Save pollens for pollination and keep on pollination process</li> </ul>	
		Ber	0.0135	Apply pheromone traps against fruit fly					
6	Agronomic Research Institute, Faisalabad	Sugarcane				1.0 mm (Faisalabad) 1.0 mm (Farooqabad, S.Pura)	40.1 /22.4°C (Faisalabad) 38.71/24.85 °C (Farooqabad) 39.93/21.78°C (Khanewal)	<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> </ul>	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. Timely harvesting of wheat crop.
		Wheat				0.0 mm (Khanewal) 1.4 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	38.8/20.6°C (Karor, Layyah) 41.00/23.0°C (Bahawalpur)		

									Avoid burning of wheat straw to overcome smog problem. Store wheat crop at moisture level less than 10%. Check weather forecast before harvesting/threshing of wheat. Co-ordination with extension staff.
7	Entomological Research Institute, Faisalabad	Sugarcane		00-1.30% 00-0.85 per leaf Nil Nil 0-0.75	In the current situation, 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>	
		Cotton		Crop terminated					
		Wheat		Nil					
		Mango		Nil 00-0.75 nymph or adult/ branch					
		Citrus		0-3.30 % infestation 00-0.9 per leaf 00-2.00 % 0-0.41 per leaf					
		Guava		00-6.25 % infestation 00-11/trap/week 0-0.43 %					
		Vegetables		00-4.80 % Below ETL Below ETL					

				In patches Below ETL 00-4.9 % 00 – 0.15 per leaf				
		Rice		Nil				
		Maize		Nil				
8	Fodder Research Institute, Sargodha	Rabi Fodder		Attack of Army worm was observed in Berseem and Maize crops. Infestation of Cuscuta was observed in Alfalfa crop.	Good			<ul style="list-style-type: none"> <li>● Farmers should be vigilant about the attack of Army Worm on the kharif fodder</li> <li>● Pest control measures should be taken according the recommendations of pest warning department</li> </ul>
9	Citrus Research Institute, Sargodha	Citrus		<u>Plant Pathology Division</u> Symptoms of Citrus canker on nursery plants were observed. <u>Entomology Division</u> Infestation of citrus psylla, aphid, leaf miner, lemon butterfly and mealy bug was observed in the citrus orchard.	Satisfactory			<ul style="list-style-type: none"> <li>● Hand picking of lemon butterfly larvae should be done</li> <li>● Abamectin benzoate @ 1 ml/ liter of water may be sprayed for the control of lemon butterfly</li> <li>● For citrus psylla and leaf miner apply spray of Novastar @ 2.5 ml + per litre of water</li> <li>● Bifenthrin @ 1.5 ml/ liter of water for the control of</li> </ul>

								<p>mealybug is recommended</p> <ul style="list-style-type: none"> <li>● Spray of copper based fungicide is recommended for the control of citrus canker</li> <li>● Stem pasting is recommended to control the citrus gummosis.</li> </ul>	
10	PPRI, Faisalabad	Berseem		Crown & Stem rot 07 %	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop thoroughly with</li> <li>● Ami star top @ 2 CC / lit of water</li> <li>● Scure @ 1 CC / lit of water</li> <li>● Kumulus@ 2gm/ lit of water</li> </ul>	
		Spinach		Stemphylium blight Upto 06%	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop with</li> <li>● Amistar-Top @ 2 ml / lit of water</li> <li>● Score @ 1 ml / lit. of water</li> <li>● Topsin-M @ 2gm / lit of water</li> </ul>	
		Guava		Bacterial Blight Up to 11 %	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the collar portion with adjacent soil thoroughly with</li> <li>● Streptomycine sulphat @ 1gm / lit of water</li> <li>● Kasugomycine @ 3gm / lit of water</li> <li>● Kocide @ 2.5 gm / lit of water</li> </ul>	

		Cauliflower		Bacterial Soft rot Upto 02%	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop with</li> <li>● Aliette @ 2.5 gm / lit of water</li> <li>● Curzate @ 2.5 gm / lit of water</li> <li>● Cabrio top @ 2.5 gm / lit of water</li> </ul>	
--	--	-------------	--	--------------------------------	--------------	--	--	---	--