

**01.05.2021 to 07.05.2021**

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 report	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 should be done</li> </ul>	Frequent feedback received from the farmers

			ing servic es 2020- 21)					<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.
		Tomato		Aphid Jassid, Blight, Grey mold.	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers and proper irrigation at</li> </ul>	The favorable climatic

							flowering and fruit development stage <ul style="list-style-type: none"> <li>● Spray against insect pests and diseases</li> </ul>	conditions supplant the fresh production of crop. Moreover, the gradual temperature fluctuations may badly affects the fruit quality.
	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</li> </ul>	Open filed crop is at flowering and fruiting stage. The heavy storm and rainfall may deteriorate the fruit quality and

							to climatic conditions at flowering and fruit development stage in tunnel sown crop	yield.
	Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> <li>● Spray against insect pests &amp; diseases</li> <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 wattar conditions</li> </ul>	
	Bitter gourd		Fruit fly	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production</li> <li>● Fertilizer application after each picking</li> <li>● Keep clean the field from weeds</li> <li>● Irrigate the crop</li> </ul>	

								twice in a week for reducing high temperature effects and keep the field in watar conditions	
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> <li>• Don't Spray 15 days before harvesting</li> </ul>	
5	Pulses Research Institute, Faisalabad	Gram			Not Satisfactory			<b>Rabi Crop: (Chickpea &amp; lentil)</b> <ul style="list-style-type: none"> <li>• Remove diseased plants from the field before and after harvesting to avoid diseased seed contamination and buried them deep</li> </ul>	Overall condition of gram production on rain fed farmer's field in Thal is not Satisfactory due to
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							<ul style="list-style-type: none"> <li>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> <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 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 sown crop wherever needed</li> </ul>	prolong dry spell during vegetative growth period. The grain yield during current year is expected to be much lower.
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> </ul>	

		Date Palm	0.014 8	Spray chlproprifos around the stems which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> <li>• Arrange the spathes along with fronds to facilitate thinning</li> </ul>	
		Ber	0.013 5	Eradicate weeds from field  Collect fallen fruits and burry deep in soil				<ul style="list-style-type: none"> <li>• Eradicate weeds from the field</li> <li>• Do hoeing around grafted plants</li> </ul>	
7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 05.0 mm (Khanewal) 01.0 mm (Karor, Layyah) 05.0 mm (Bahawalpur)	38.1/24.5°C (Faisalabad) 40.85/26.85°C (Farooqabad) 38.85/23.14°C (Khanewal) 38.4/22.8°C (Karor, Layyah) 42.0/22.0°C (Bahawalpur)	<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. Apply urea to the spring planted crop</li> <li>• Be careful about the weather while threshing the crop</li> <li>• Proper storage conditions must be given due attention prior to storing the threshed wheat.</li> </ul>	Effective weed control is a prerequisite for ensuring healthier and vigorous crop growth and yield. For any type of assistance/he lp regarding weed control in all crops, please contact Mr. Muhammad Ashiq (Senior Scientist) of this institute.
		Wheat			Satisfactory				



								His contact number is 0300-76 57 249.
8	Entomologica l Research Institute, Faisalabad	Sugarcane		Borers Complex 0-1.5% Pyrilla 0-1.35 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.25	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		Mango Fruit Fly Nil Mango Hopper 0-1.25 nymph or adult/ branch				
		Citrus		Fruit Fly 0-3.7 % Psylla0-1.8 per Leafminer 0-4.05% Black Fly 0-1.6 per leaf				
		Guava		Fruit Fly 0-6.6% infestation 0.16/trap/week Fruit Borer 0-0.50 %				
		Vegetables		Brinjal fruit borer 0-5.75% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.65% 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 army worm was observed in Lucerne.	Good			<ul style="list-style-type: none"> <li>Do not irrigate the Lucerne seed crop</li> <li>Pest control measures must be taken according to the recommendations of agriculture department</li> </ul>
10	Citrus Research Institute, Sargodha	Citrus		<p><b><u>Plant Pathology Division</u></b> Blemishes (wind scars) were observed on new flushes/ leaves of orchard trees.</p> <p><b><u>Entomology Division</u></b> Infestation due to citrus leaf miner and lemon butterfly was observed at minor level. Moreover, some infestation due to mealy bug was also observed in the citrus orchard in patches.</p>	Satisfactory			<ul style="list-style-type: none"> <li>Hand pick the larvae of lemon butterfly</li> <li>Apply spray of leufenuron @ 2ml/lit water in nursery to control leaf miner and lemon butterfly</li> <li>Install methyl eugenol pheromone traps in the orchards at the rate of 5/acre</li> <li>Apply spray of profenofos @ 3ml/litre water in the orchards to control mealy bugs</li> <li>Spray of copper based fungicide like copper hydroxide</li> </ul>

				Fruit fly population is also showing increasing trend				@ 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	
11	PPRI, Faisalabad	Spinich		Stemphylium blight Upto 11%	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop after cutting with:</li> <li>● Topsin-M @2gm/liter of water</li> <li>● Cytrol @ 2gm/liter of water</li> </ul>	
		Berseem		Stem and crown rot Upto 10%	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop along with adjacent soil thoroughly with one of the following fungicides immediately after cutting the crop to save the next cutting:</li> <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 9 %	Satisfactory			<p>Spray the crop with</p> <ul style="list-style-type: none"> <li>● Ridomil Gold @ 2gm /liter of water.</li> <li>● Curzate @</li> </ul>	

								3gm/liter of water. ● Aliette @ 3 gm/liter of water.	
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. This is suitable time of sowing for groundnut. Seed rate should be kept about 40kg/acre seeds or 70 kg/acre whole pods</li> <li>● Sowing should be done with seed drill</li> </ul>	
		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>	Advisory services are provided to the farmers at the institute as well as on the farms.

13	Arid Zone Research Institute, Bhakkar	Wheat						<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 seed stores to reduce store grain pest</li> <li>● If the produce grains are greenish or not fully ripened than they must be sun dried</li> </ul>