

# Weekly Crop Situation Report

29.05.2021 to 04.06.2021

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 (2nd estimate, Crop reporting services 2020-21)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.				<ul style="list-style-type: none"> <li>● Chemical and cultural practices of weed control should be adopted</li> <li>● In Spring planted sugarcane crop, Earthing up should be done</li> <li>● In September planted apply one bag of Urea and one bag granular/acre</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</li> </ul>	Frequent feedback received from the farmers

								<p>in case of attack of black bugs especially on ratoon crop</p> <ul style="list-style-type: none"> <li>● Apply 30% more fertilizer to the ratoon crop</li> <li>● Apply Urea fertilizer to the spring planted crop of sugarcane</li> <li>● Use recommended insecticide to control borer etc attack to the crop</li> </ul>	
2	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</li> </ul>	The crop is at seed

							<p>seed production as well as better production of fresh crop</p> <ul style="list-style-type: none"> <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>	<p>setting stage hence the fresh crop production is decreasing in yield and quality.</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> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</li> <li>● Weeds must be eradicated to minimize plant weed competition</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>
	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> </ul>	<p>The crop is at flowering and fruit setting stage hence boost up of fresh production.</p>

								<ul style="list-style-type: none"> <li>● Spray against sucking insects if required</li> <li>● Keep filed weed free in both tunnels and open field</li> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</li> </ul>	
		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> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</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 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>	Low production due temperature fluctuation and heat waves.
		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>	Low production due temperature fluctuation and heat waves.
		Bitter gourd		Myrothecium, Leaf minor, Aphid, Jassid, Downy Mildew and viral 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>● Keep clean the field from weeds</li> <li>● Irrigate the crop twice in a week for reducing high temperature effects and keep the field in wattar conditions</li> </ul>	Low production due temperature fluctuation and heat waves.
		Tinda gourd		Leaf minor, Aphid, Jassid,	Satisfactory			<ul style="list-style-type: none"> <li>● Balanced fertigation to boost</li> </ul>	Low production

				Downy Mildew and viral diseases				fruiting spell and crop growth <ul style="list-style-type: none"> <li>● Fertilizer application after each picking</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> <li>● Irrigate the field twice in a week to mitigate high temperature effects and keep the field in watar conditions</li> </ul>	due to delay in sowing, temperature fluctuation and heat waves.
3	Oilseed Research Institute, Faisalabad	Sunflower		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			<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>	
4	Pulses Research Institute, Faisalabad	Mung						<b>Spring sown Mung &amp; Mash:</b> <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 surface hopper, thrips and army worm at this</li> </ul>	During 2020-21 area of Mung was 518.02 ('000'acres) and exhibited an increase of 42.36 % area over last year (2019-20) However, area of Mash was 11.669
		Mash							

								<p>stage. In this case farmers should spray suitable recommended pesticide</p> <ul style="list-style-type: none"> <li>● Irrigate the spring sown crop wherever needed</li> <li>● Apply nitrogen fertilizer on mash crop wherever needed to improve the growth</li> <li>● Manage mature crop harvesting keeping in view the weather</li> </ul> <p><b>Chickpea &amp; Lentil:</b></p> <ul style="list-style-type: none"> <li>● Store the harvested Chickpea and Lentil crop produce after drying and cleaning</li> <li>● Air tight the store after fumigation</li> </ul>	(‘000’acres) and exhibited a decrease of 49.38 % area over last year (2019-20)
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"> <li>● Continue regular cultural practices</li> <li>● Install pheromone traps to control fruit fly</li> <li>● Prune unwanted, dried and diseased branches</li> </ul>	
		Date Palm	0.0148	Spray chlropyriphos around the stems				<ul style="list-style-type: none"> <li>● Arrange the spathes along with fronds to facilitate thinning</li> </ul>	

				which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> <li>● Start thinning of densely fruit bunches</li> </ul>	
		Ber	0.0135	Arrange lime and copper sulfate for stem pasting against high temperature				<ul style="list-style-type: none"> <li>● Eradicate weeds from the field</li> <li>● Do hoeing around grafted plants</li> <li>● Start annual pruning of bearing plant upto 50%</li> </ul>	
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	10.08 mm (Faisalabad) 6.04 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	39.01/24.08°C (Faisalabad) 42.00/25.57°C (Farooqabad) 38.35/25.75°C (Khanewal) 40.06/26.04°C (Karor, Layyah) 45.0/27.0°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> </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
		Rice			Satisfactory			<ul style="list-style-type: none"> <li>● Give due attention to the area wise recommended varieties for sowing of rice nursery</li> <li>● Complete production technology can be found at <a href="http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf">http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf</a></li> </ul>	

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7	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-1.65% Pyrilla 0-1.6 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.5	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 0-1.45 nymph or adult/ branch				
		Citrus		Fruit Fly 0-3.75 % Psylla 0-2.0 per Leafminer 0-4.25% Black Fly 0-1.75 per leaf				
		Guava		Fruit Fly 0-6.75% infestation 0.17/trap/week Fruit Borer 0-0.47 %				
		Vegetables		Brinjal fruit borer 0-5.95% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.85% Jassid 0-0.65 per leaf				

		Rice		Plant Hopper Nil				
		Maize		Stem borer Nil				
8	Fodder Research Institute, Sargodha	Rabi Fodder		Infestation of army worm was observed in Lucerne crops.	Good			<ul style="list-style-type: none"> <li>● Irrigation should be applied to karif crop, If required</li> <li>● Pest control measures must be taken according to the recommendations of agriculture department</li> </ul>
9	Citrus Research Institute, Sargodha	Citrus		<p><b>Plant Pathology Division</b> Some symptoms of drying of leaves were observed on oranges and Shamber varieties due to harsh weather. Symptoms of Citrus canker were observed on the new flush of citrus nursery.</p> <p><b>Entomology Division</b> Minor infestation of citrus psylla, citrus scale and lemon butterfly was observed.</p>	Satisfactory			<ul style="list-style-type: none"> <li>● Regular pest monitoring should be done</li> <li>● Apply Imidacloprit + Bifenthrin for the control of all pests @ 2.5 ml/ liter of water</li> <li>● Install methyl eugenol pheromone traps in the orchards at the rate of 5/acre</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</li> </ul>

				Infestation of leafminer was also observed in nursery plantation.				where fruit has been harvested <ul style="list-style-type: none"> <li>● Application of metalaxyl + mancozeb for the root borne diseases of citrus @ 2 kg/ acre is recommended</li> </ul>	
10	PPRI, Faisalabad	Tomato		Grey mold 11%	Satisfactory			Spray the crop with after the cutting of the fodder <ul style="list-style-type: none"> <li>● Score @ 1 cc/ lit of water</li> <li>● Amistar top @ 2cc / lit of water</li> <li>● Sulpher @ 2.5 gm/ lit of water</li> <li>● Note: Light irrigation during the month of January &amp; February</li> </ul>	
		Cauliflower		Downy mildew 12 %	Satisfactory			Spray the crop thoroughly with <ul style="list-style-type: none"> <li>● Amistar top @ 2 CC / lit of water</li> <li>● Score @ 1 CC / lit of water</li> <li>● Kumulus@ 2gm/ lit of water</li> </ul>	
11	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by spraying	Satisfactory			<ul style="list-style-type: none"> <li>● Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides</li> </ul>	Agricultural Experts should be consulted for the control of insects & diseases.

				insecticides. Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.				<ul style="list-style-type: none"> <li>● Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides</li> </ul>	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"> <li>● Advisory services are provided to the farmers at the institute as well as on the farms</li> </ul>	
12	Arid Zone Research Institute, Bhakkar	Mungbean						<ul style="list-style-type: none"> <li>● Irrigation should be applied when and on required basis keeping in view the weather forecast</li> <li>● Temperature is rising, delay in irrigation will be cause of yield loss</li> <li>● Weeds should be controlled through Post emergence weedicides or manual hoeing</li> <li>● In sandy areas irrigation should be applied after 15 to 20 days interval</li> </ul>	