

# Weekly Crop Situation Report

28.11.2020 to 04.12.2020

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
1	Cotton Research Institute, Multan	Cotton	3.822	No moth catches of Pink Boll Worm have been observed in pheromone traps during the week under report.	Not Satisfactory	0.0mm	10-24.9°C	<ul style="list-style-type: none"> <li>● Rotavation of cotton sticks after final picking</li> <li>● Removal of leftover bolls from the cotton sticks before keeping them for fuel purposes</li> <li>● Keeping small bundles of cotton sticks in vertical position</li> <li>● Disposal and safe destruction of debris from ginning factories.</li> </ul>	36.38% cotton production is short as compared to the last year. Main reason is attack of whitefly resulting in blackening as well as wilting of plants during the months of August and September.
2	Vegetable Research Institute, Faisalabad	Spinach		Alternaria Leaf Blight & Army worm	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 precisely for better fresh production</li> <li>● Spray against insects, pests and diseases</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
		Bittergourd		Myrothecium, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production and continue fertilizer application after every picking</li> <li>● Weed eradication to minimize plant weed competition</li> <li>● Train the plants on net for assurance of quality of fruit and to reduce the chances of disease spread</li> <li>● Spray against insects, pests and diseases</li> </ul>	
		Radish			Satisfactory			<ul style="list-style-type: none"> <li>● Proper utilization of fertilizers for better production</li> <li>● Spray against insects and pests</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against pre and post emergence weeds</li> </ul>	Early production from Punjab is in market
		Turnip			Satisfactory			<ul style="list-style-type: none"> <li>● Proper utilization of fertilizers for better production</li> <li>● Spray against insects and pests</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against pre and post emergence weeds</li> </ul>	Early production from Punjab is in market
		Cauliflower			Satisfactory			<ul style="list-style-type: none"> <li>● Meticulous seed bed preparation</li> <li>● Use of certified seed with recommended seed rate.</li> <li>● Treatment of seed with fungicide for eradication of</li> </ul>	Early production from Punjab is in market

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
								soil borne diseases. <ul style="list-style-type: none"> <li>● Proper utilization of fertilizers for better production</li> <li>● Spray against insects and pests</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against pre and post emergence weeds</li> </ul>	
		Cabbage		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Proper utilization of fertilizers for better production</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> </ul>	Early production from Punjab is in market
		Carrot			Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for uniform and significantly higher root yield</li> <li>● Apply irrigation according to climatic conditions</li> <li>● Spray against pre emergence as well as post emergence weeds</li> <li>● Spray against insect pests and diseases</li> </ul>	
		Coriander		Jassid	Satisfactory			<ul style="list-style-type: none"> <li>● Complete thinning of the off type plants from the crop</li> <li>● Complete the sowing of crop with no more delay</li> <li>● Keep the field weed free.</li> <li>● Irrigate the field according to climatic conditions</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
								<ul style="list-style-type: none"> <li>● Spray against pests and diseases if required</li> </ul>	
3	Oilseed Research Institute, Faisalabad	Brassica		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory	0.0 mm	8.2-27.4°C	<ul style="list-style-type: none"> <li>● Irrigate the field after one month of germination</li> <li>● Remove excess plants and maintain 6 inches plant to plant distance before first irrigation</li> <li>● Give 1 bag urea with first irrigation</li> <li>● Spray Lambda cyhalothrin 2.5 EC @ 330 ml/acre against Mustard Sawfly and Painted bug.</li> </ul>	
		Linseed						<ul style="list-style-type: none"> <li>● Best sowing time is 1-15 November</li> <li>● Sow recommended and approved varieties @ 6 Kg/acre for irrigated areas and 8 kg/acre in arid areas</li> <li>● Seed should be treated with Thiophenate methyl @ 2g/Kg</li> <li>● Spray Pendimethalin 330 EC @ 1-1.25 L/acre immediately after sowing in Tar Wattar condition</li> </ul>	
4	Pulses Research Institute, Faisalabad	Gram		Attack of termite, surface weevil and <i>Fusarium</i> wilt may damage plant population at seedling stage in gram.				<p><b>Rabi Crop: (Chickpea &amp; lentil)</b></p> <ul style="list-style-type: none"> <li>● Eradicate the weeds from fields at an early stage</li> <li>● Apply 1st irrigation to gram and lentil crops after 45-60 days of sowing in irrigated areas</li> </ul>	During 2019-20, area under gram crop in Punjab decreased by 0.7 % however its
		Masoor							

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
								<ul style="list-style-type: none"> <li>● Termite infested soils may be treated with proper insecticides in irrigated areas</li> <li>● Appearance of early smog may delay germination</li> </ul> <p><b>Mung &amp; Mash:</b></p> <ul style="list-style-type: none"> <li>● Harvesting of Kharif pulses is completed</li> <li>● Cleaning and drying process be completed before storage</li> <li>● Store harvested mung and mash after proper drying and fumigate the produce. Use Phostoxin pills to keep the store free from grain store pests</li> </ul>	production was recorded 14 percent higher in comparison to its previous year statistics (2018-19). While in Lentil crop both area sown and production were decreased by 31.6% and 29.6 % respectively as compared to the area and production during 2018-19.
5	Horticulture Research Institute, Faisalabad	Guava		Infestation of weeds were recorded	Satisfactory			<ul style="list-style-type: none"> <li>● Apply completely decomposed farmyard manure</li> <li>● Continue regular cultural practices</li> <li>● Weed population must be under control</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
		Date Palm			Satisfactory			<ul style="list-style-type: none"> <li>● Irrigate newly planted field every 4th day</li> <li>● Cover newly planted offshoots with rice straw or date palm fronds and tie them firmly from top</li> <li>● Control red palm weevil by insertion of Phostoxin tablets in holes made by red palm weevil and mud the holes with chlori mix paste</li> <li>● Burn remains of infected stems</li> <li>● Eradicate weeds from field manually or by hoeing</li> </ul>	
		Ber			Satisfactory			<ul style="list-style-type: none"> <li>● Apply light irrigation during flowering and fruit setting</li> <li>● Apply fertilizer if not applied yet</li> <li>● Remove polythene sheet from sprouted scions</li> <li>● Do hoeing around grafted plants and irrigate them and Cover with polythene sheet</li> <li>● Apply preventive fungicide against diseases of Ber</li> <li>● Eradicate weeds from field</li> </ul>	
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm	27.4/8.2°C (Faisalabad) 24.14/10.42 °C (Farooqabad)	<ul style="list-style-type: none"> <li>● 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.</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
		Rice				(Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	25.08/7.41° C (Khanewal) 25.71/8.75° C (Karor, Layyah) 25.0/11.0° C (Bahawalpur)	<ul style="list-style-type: none"> <li>Do not delay the threshing process of the matured crop. Appropriate conditions of storage must be given due attention for storing the threshed produce.</li> </ul>	
		Wheat			Satisfactory			<ul style="list-style-type: none"> <li>Do not delay the wheat sowing at all. Sow only the area wise recommended wheat varieties. Use happy seeder for sowing in rice fields.</li> </ul>	
7	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-0.3% Pyrilla 0-0.15 per leaf Mealybug Nil Whitefly Nil Black bug 0-1.0	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		Whitefly Nil Thrips NiL Jassid NiL American Bollworm Pink Bollworm 0-1 Dusky Cotton Bug Nil					
		Mango		Mango Fruit Fly Nil Mango Hopper 0-0.1 nymph or adult/ branch					
		Citrus		Fruit Fly 0-2.15 % Psylla 0-0.35 per Leafminer 0-2.0% Black Fly 0.2 per leaf					

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
		Guava		Fruit Fly 0-7.0% infestation 0-8/trap/week Fruit Borer 0-0.2 %					
		Vegetables		Brinjal fruit borer 0-5.75% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.75% Jassid 0-0.1 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Khariief Fodder		Minor attack of armyworm was observed on berseem.	Good			<ul style="list-style-type: none"> <li>● Oats crop sowing must be completed up to third week of December. Weather remained favorable during this week for rabi fodder crops.</li> <li>● Apply light irrigation at this stage to the Lucerne and Berseem crops.</li> <li>● Harvesting and threshing of maize and sorghum seed crops should be complete as early as possible.</li> <li>● In case of army worm attack on berseem fodder crops early</li> </ul>	



Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
								cut should be taken.	
9	Mango Research Institute, Multan	Mango		Declining disorders like die back, shoot wilt, salt injuries and gummosis were observed with divergent intensity in different mango orchards	Satisfactory			<ul style="list-style-type: none"> <li>● Growers were advocated for chemical management of hibernating mango hopper by application of suitable insecticides only on tree trunks. However light hoeing under the tree canopy was also suggested for eggs destruction of mango mealy bug by exposing towards sun light</li> <li>● Dried, disease and last season fruiting panicles must be removed. Floor management including ground levelling for formation of raised beds was advised.</li> </ul>	Gradual decrease in nocturnal temperature during the said period might have positive impact on mango crop.
10	Citrus Research Institute, Sargodha	Citrus		<p><b><u>Plant Pathology Division</u></b> Symptoms of citrus scab, canker, melanose and stem end rot were observed on citrus fruits. Stem Gummosis was observed on most of the citrus varieties.</p> <p><b><u>Entomology</u></b></p>	Satisfactory			<ul style="list-style-type: none"> <li>● Install pheromone traps (5/acre) for mating disruption in fruit flies.</li> <li>● Dropped fruit should be buried deep in the soil to prevent fruit fly re-infestation</li> <li>● Apply spray of imidacloprid + bifenthrin for the control of citrus leaf miner, red scale and lemon butter fly larva and fruit washing in detergent mixed water followed by waxing is good option.</li> <li>● Spray of Nativo or Top guard</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
				<p><b><u>Division</u></b> The infestation of citrus major pests has been reduced greatly due to onset of winter season. However, only minor infestation of citrus red scales was observed on fruits.</p>				<p>was recommended for the control of citrus scab, melanose and stem end rot.</p> <ul style="list-style-type: none"> <li>● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water is recommended for the control of citrus canker.</li> <li>● Stem pasting of fungicides success along with lime @ 1 : 10.</li> </ul>	
11	PPRI, Faisalabad	Bitter gourd		Myrothecium leaf spot 6%				<p>Spray the crop thoroughly with</p> <ul style="list-style-type: none"> <li>● Antracol @ 3gm/liter of water.</li> <li>● Mencozeb@ 3gm/liter of water.</li> <li>● Nativo @1gm/liter of water.</li> </ul>	
		Spinach		Cercospora leaf spot 8%				<p>Spray the crop with</p> <ul style="list-style-type: none"> <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>	
12	BARI, Chakwal	Groundnut		Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides.	Satisfactory			<ul style="list-style-type: none"> <li>● Harvesting of the crop has been completed. After harvest spread the pods on clean floor to sun dry for 3-4 days. Then dried pods should be separated from immature, empty and damaged pods to keep quality produce. Store</li> </ul>	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
				Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.				the pods in cloth or gunny bags for longer storage.	contact on Mobile phone No. 03345622125 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.
		Olive		No serious attack of insects or diseases.	Satisfactory			<ul style="list-style-type: none"> <li>● Control the attack of Woolly 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>● Bring your olive fruit having black color to BARI Chakwal for oil extraction</li> <li>● Apply well rotted farm yard manure, all phosphorus and Potash dose and first dose of nitrogen fertilizers to for the next year fruiting orchard</li> <li>● Remove weeds from the plant basin.</li> </ul>	
13	Arid Zone Research Institute, Bhakkar	Wheat						<ul style="list-style-type: none"> <li>● Complete 1st irrigation 30 days after sowing</li> <li>● Weedicides application must be completed after 1st</li> </ul>	

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp. °C	Advisory to farmers	Additional remarks
						-	10-22°C	irrigation. ● Recommended varieties i.e. Fakhar-e-Bhakkar, Akbar-2019 and Ghazi-2019 should be used for cultivation.	
		Chickpea						● Hoeing should be completed up to the end of December, 2020. ● Regularly visit field regarding pod borer infestation because November and December are the periods of 1st Flush infestations. ● Sowing of the rain fed chickpea crop should be performed by soaking the seed in water 2 hours before sowing for good germination. ● 1st irrigation to the irrigated crop must be applied 40 Days after sowing	