

# Weekly Crop Situation Report

29.01.2022 to 04.02.2022

| 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>● Irrigate the September planted sugarcane according to crop requirement and weather forecast</li> <li>● Stop irrigation one month before harvesting</li> <li>● Harvest the crop at ground level/one inch below to avoid Larvae attack</li> <li>● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses</li> <li>● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black</li> </ul> | Frequent feedback received from the farmers |

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|   |  |         |  |                         |              |  |  | <ul style="list-style-type: none"> <li>bugs especially on ratoon crop</li> <li>● Use recommended insecticide to control borer etc attack to the crop</li> <li>● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla</li> <li>● Use Zinc Phosphide as bait to check rodents attack in lodged crop</li> <li>● Prepared the field for February sowing</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> <li>● Save the crop from frost in growing areas</li> </ul>       |  |
|   |  | Radish  |  | Medium                  | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Complete radish steckling for better seed production</li> </ul>  |  |

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|  |             |  |                |              |  |  | <ul style="list-style-type: none"> <li>• Adopt recommended seed production technology</li> <li>• Save the crop from frost in growing areas</li> <li>• Proper utilization of fertilizers to better production</li> <li>• Spray against insects and pests</li> <li>• Spray against pre and post emergence weeds</li> </ul>   |                               |
|  | Turnip      |  | Medium         | Satisfactory |  |  | <ul style="list-style-type: none"> <li>• Complete radish steckling for better seed production</li> <li>• Adopt recommended seed production technology</li> <li>• Save the crop from frost in growing areas</li> <li>• Proper utilization of fertilizers to better production</li> <li>• Spray against insects and pests</li> <li>• Spray against pre and post emergence weeds</li> </ul> |                               |
|  | Cauliflower |  | Medium to high | Satisfactory |  |  | <ul style="list-style-type: none"> <li>• Proper utilization of fertilizers to better production</li> </ul>   | Bolting of crop is increasing |

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|  |         |  |                |              |  |  | <ul style="list-style-type: none"> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Save the crop from frost in growing areas.</li> </ul>  | that may impact on fresh production of crop.                   |
|  | Cabbage |  | Medium to high | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Proper utilization of fertilizers to better production</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Save the crop from frost in growing areas</li> </ul>   |  |
|  | Carrot  |  |                | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Balance use of fertilizers during seed bed preparation</li> <li>● Complete radish steckling for better seed production.</li> <li>● Adopt recommended seed production technology</li> <li>● Spray against pre emergence as well as post emergence weeds</li> </ul> | Start of sowing of carrot steckling for early seed production. |

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|   |  |           |  |  |              |  |  | <ul style="list-style-type: none"> <li>● Save the crop from frost in growing areas</li> </ul>   |  |
|   |  | Coriander |  | Cutworm, Jassid and White fly            | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better crop growth and development</li> <li>● Complete thinning of the off type plants in crop sowing</li> <li>● Complete the sowing of crop with no more delay</li> <li>● Keep the field weed free.</li> <li>● Spray against pests and diseases if any</li> <li>● Save the crop from frost in growing areas</li> </ul> |  |
|   |  | Peas      |  | Medium to high                           |              |  |  | <ul style="list-style-type: none"> <li>● Judicious use of fertilizers</li> <li>● Spray for eradication of weeds and disease pathogens</li> <li>● Irrigation in accordance with the climatic conditions</li> <li>● Keep the crop from frosty night by fire</li> </ul>  |  |
| 3 | Oilseed Research Institute, Faisalabad | Brassica  |  | Pests: Nil<br>Disease: Nil<br>Weeds: Nil | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Second irrigation should be provided at flowering</li> </ul>   |  |

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|  |  |         |  |  |  |  |  | <ul style="list-style-type: none"> <li>● Apply Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield</li> <li>● Remove excess water from field if required</li> </ul>  |  |
|  |  | Linseed |  |  |  |  |  | <ul style="list-style-type: none"> <li>● Irrigate the field after one month of germination</li> <li>● Remove excess plants before first irrigation.</li> <li>● Give 1 bag urea with first irrigation</li> <li>● Remove excess water from field if required</li> </ul> |  |

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| 4 | Pulses Research Institute, Faisalabad    | Rabi Crop: (Chickpea & lentil) |  |  |              |                     |   | <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. Use of rotary is suitable method in Thall region to eradicate weeds</li> <li>● Termite infested soils may be treated with proper insecticides in irrigated areas</li> <li>● Farmers especially in Rawalpindi Division should remain vigilant about the weather conditions. In case of repeated rain splashes in chickpea area the disease Ascochyta Blight of Chickpea may appear. In case disease infestation observed, uproot the infected plant and buried them deep in the soil</li> </ul> |  |
| 5 | Agronomic Research Institute, Faisalabad | Sugarcane                      |  |  | Satisfactory | 0.0 mm (Faisalabad) | 21.3 /7.0 °C (Faisalabad)<br>23.42/5.57 °C (Farooqabad) | <ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate insecticide for the</li> </ul>  | Effective weed control is a prerequisite |

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|  |  |       |  |  | 0.0 mm (Farooqabad, S.Pura)<br>0.0 mm (Khanewal)<br>0.0 mm (Karor, Layyah)<br>0.0 mm (Bahawalpur) | 22.24/5.6 °C (Khanewal)<br>18.8 /5.6 °C (Karor, Layyah)<br>20.00/6.0 °C (Bahawalpur) | control of root borer.<br>● Weeds rob the crop plants of many nutrients, moisture, sunlight and space; thus their effective and timely control is indispensable. Use only the recommended weedicides and methods of spray to control weeds. Complete production plan can be assessed at <a href="http://dai.agripunjab.gov.pk/">http://dai.agripunjab.gov.pk/</a> | 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. Fertilizer management should be based on soil fertility status and irrigation of crops should be based on weather forecast. Pest scouting may be done where |
|  |  | Wheat |  |  |   |  |   |   |



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|   |  |            |  |   |  |  |  | necessary and coordinate the Agri. extension staff.  |
| 6 | Entomological Research Institute, Faisalabad | Sugarcane  |  | Borers Complex<br>0-0.7%<br>Pyrilla<br>0-0.2 per leaf<br>Mealybug Nil<br>Whitefly Nil<br>Black bug 0-0.25 | 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      |  | Crop sown   |  |  |  |  |
|   |  | Mango      |  | Mango Fruit Fly<br>Nil<br>Mango Hopper<br>0-0.25 nymph or adult/ branch                                   |  |  |  |  |
|   |  | Citrus     |  | Fruit Fly 0-2.9 %<br>Psylla0-0.55 per<br>Leafminer<br>0-1.75%<br>Black Fly<br>0-0.25 per leaf             |  |  |  |  |
|   |  | Guava      |  | Fruit Fly<br>0-5.6% infestation<br>0-7/trap/week<br>Fruit Borer<br>0-0.3 %                                |  |  |  |  |
|   |  | Vegetables |  | Brinjal fruit borer<br>0-4.55%<br>Thrips<br>Below ETL<br>Mites  |  |  |  |  |

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|   |  |                |  | Above ETL<br>Armyworm<br>In patches<br>Cucurbit sucking<br>insects<br>Below ETL<br>Fruit Fly<br>0-4.75%<br>Jassid<br>0-0.10 per leaf                               |              |  |  |   |  |
|   |  | Rice           |  | Plant Hopper<br>Nil  |              |  |  |   |  |
|   |  | Maize          |  | Stem borer<br>Nil  |              |  |  |   |  |
| 7 | Fodder<br>Research<br>Institute,<br>Sargodha | Rabi<br>Fodder |  | Attack of root rot<br>was observed in<br>Berseem crop.   | Good         |  |  | <ul style="list-style-type: none"> <li>● Frequent cutting of Berseem is highly recommended in case of appearance of root rot in Berseem</li> <li>● In case of severe attack fungicide may be applied at disease patches after cutting</li> </ul>              | Farmers should be vigilant about the attack of rust in oats crop |
| 8 | Citrus<br>Research<br>Institute,<br>Sargodha | Citrus         |  | <b>Plant Pathology Division</b><br>Defoliation symptoms were observed in some orange plants. Some symptoms of gummosis were observed on the stem of citrus plants. | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Regular pest monitoring should be done</li> <li>● To remove scales from fruit washing and waxing of fruits before consumption is recommended for citrus fruits</li> <li>● Regular monitoring of mealy bug</li> </ul> |  |

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|   |                  |                  |  | <p><b>Entomology Division</b><br/> There was also minor infestation of citrus red scales in orchards. Moreover, emergence of mealy bug nymphs is also expected in coming weeks.</p> |  |  |  | <p>infestation is also important.</p> <ul style="list-style-type: none"> <li>• Stem pasting along with matalaxyl + Mancozeb is recommended for gummosis.</li> </ul>   |  |
| 9 | PPRI, Faisalabad | Berseem & Lusern |  | <p>Crown &amp; Stem rot 10 %<br/> White mold 07%</p>  |  |  |  | <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          |  | <p>Cercospora leaf spot 09%</p>   |  |  |  | <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>         |  |
|   |                  | Bell pepper      |  | <p>Collar rot<br/> Up to 08%</p>  |  |  |  | <ul style="list-style-type: none"> <li>• Spray the collar potation of plants along with adjacent soil with</li> <li>• Aleitte @ 2 gm / lit of water</li> <li>• Acrobat-MZ @ 3 gm / lit. of water</li> </ul>   |  |

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|    |               |                          |      |   |  |  |  | <ul style="list-style-type: none"> <li>● Ridomil gold @ 2.5 gm / lit of water</li> </ul>   |  |
|    |               | Tomato                   |      | Bacterial wilt<br>Up to 7 %   |  |  |  | <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              |      | Downy mildew<br>10 %  |  |  |  | <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>  |  |
|    |               | Squash gourd (in tunnel) |      | White mold<br>Up to 5 %   |  |  |  | <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>  |  |
| 10 | BARI, Chakwal | Groundnut                | 0.22 | Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides. |  |  |  | <ul style="list-style-type: none"> <li>● Start land preparation and seed for sowing of crop in coming season</li> <li>● Select sandy soil to grow groundnut for</li> </ul>   | Agricultural Experts should be consulted for the control of insects & diseases. Farmers can contact on |

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|  |  |       |  | Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides |  |  |  | better yield. Tillage practices should perform three to four time prior to sowing the crop. First tillage should be done during first week of February. Deep ploughing should be done as first tillage so that maximum rain water may be preserved in the soil | Mobile phone No. 03345622125 (Fida Hassan Shah) for the production technology and problems of Groundnut crop. |
|  |  | Olive |  | No serious attack of insects or diseases   |  |  |  | <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>   |   |