

Action Plan for On-farm Testing (Assessment) during 2016-17

| S. No | Discipline | Year of start | Title of the OFT | Season/Month | No. of farmers | Area (ha) | Treatments in brief | Observations to be recorded |
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| 1 | Horticulture | 2016 | Use of insect proof nylon nets for production of quality seedlings of Tomato | Summer/April | 13 | 5.2 | Use of 40 mesh nylon nets to cover on tomato seedlings in plastic tray. | <ol style="list-style-type: none"> 1. % infestation of leaf curl in tomato plants. 2. Additional cost of 40 mesh nylon net 3. Number of Spray 4. Average Yield-Tonnes/ha. 5. C:B ratio |
| 2 | Horticulture | 2016 | Training Pruning management in Colour Capsicum in Protected cultivation | Summer and Kharif | 13 | 1.0 | In greenhouse after transplanting of Capsicum seedlings keep only two primary branches per plant and then sub-braches. Pruning of excess branches regularly. Maintaining one fruit per node. Maintaining ventilation in Shade net house. RDF | <ol style="list-style-type: none"> 1. Average fruit weight 2. Number of fruits per plant 3. Cost of cultivation 4. C: B ratio |
| 03 | Horticulture | 2015 | Hasta Bahar Management in Pomegranate | Rabbi and summer | 13 | 5.2 | During Hasta Bahar give proper water stress to plants and techniques of pruning for Canopy management. RDF and Use of Ethrel 2 ml/lit | <ol style="list-style-type: none"> 1. Cost of cultivation 2. C:B ratio |

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| | | | | | | | for dropping of leaves | |
| 04 | Horticulture | 2015 | Use of Protection film in Muskmelon | Summer | 13 | 5.2 | For protection of tender seedlings from intense sunlight and Sucking Pests and hail-storm use non-woven polypropylene sheet to cover entire row of plantation. Drip irrigation and RDF | <ol style="list-style-type: none"> 1. Incidence % of sucking pests 2. Plant height at 15 days, 30 days of DAT 3. C: B ratio |
| 05 | Agronomy | 2015 | To Assess the new high yielding variety of Soybean- Phule Agrani (KDS 344) | <i>Kharif</i> | 13 | 2.6 | <p>T1 - Farmers practice-JS-335</p> <p>T2 - Improved technology-var. Phule Agrani (KDS 344)</p> | <ol style="list-style-type: none"> 1. No. of branches/plant 2. No. of pods/ plant 3. Pest & disease incidence (%) 4. Grain yield (q/ha) 5. B: C ratio |
| 06 | Agronomy | 2016 | To assess the performance of Wheat variety- Phule Samadhan under protective irrigation | <i>Rabi</i> | 13 | 2.6 | <p>T1 - Farmers practice- Use of Var. GW-496 with protective irrigation</p> <p>T2 - Improved Var. Phule Samadhan</p> | <ol style="list-style-type: none"> 1. Test wt (gm) 2. No. of Irrigation 3. Grain yield (q/ha) 4. B: C ratio |
| 07 | Plant Protection | 2016 | Assessment of polypropylene crop cover against sucking pest complex in Tomato | <i>Kharif</i> | 10 | 02 | Laying of polypropylene crop cover on raised bed after transplanting of seedlings & kept as it is up to 45 days when flower initiation starts. | <ol style="list-style-type: none"> 1. Incidence of Viral Diseases 2. Yield (q/ha) 3. B : C Ratio |

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| 08 | Plant Protection | 2016 | Use of <i>hirsutella thompsani</i> against mites on Grapes | | 10 | 02 | Use of <i>hirsutella thompsanni</i> 5 gm/ ltr. at evening time. | 1. Pest incidence 2. Quality of fruits 3. B: C ratio 4. Average yield |
| 09 | Plant Protection | 2015-16 | Assessment of tuber treatment of Imidacloprid in Potato Crop | | 10 | 02 | Potato seed tuber treatment with imidacloprid (200 SL) @ 0.4ml/lit of water for 10 min. 2) Spraying of Metarhizium anisoplae 5 gm/ lit. | 1. Pest incidence 2. Disease incidence 3. B: C ratio 4. Average yield |
| 10 | Soil Science | 2016 | Impact of application of Urea Briquette fertilizer management in Rice | Kharif | 10 | 2.0 | T1 – Farmers practice without Urea briquette T2 – Use of application of Urea Briquette fertilizer | 1. Soil Analysis Carbon Content, 2. Yield, 3. cost of cultivation, 4. gross income, 5. net income 6. B:Cratio |
| 11 | Soil Science | 2016 | Impact of application of soil test based fertilizer management in onion through fertigation. | Rabi | 10 | 2.0 | T1 – Farmers practice with STCR. T2 – Use of fertilizer application as per STCR. With Fertigation. | 1. Soil Analysis, 2. Yield, cost of cultivation, 3. gross income, 4. net income 5. B:Cratio |
| 12 | Soil Science | 2015 | Influence of Application of Fertilizers according to STCR in Wheat | Rabi | 10 | 2.0 | T1 – Farmers practice without STCR. T2 – Application of Fertilizers according to STCR . | 1. Soil Analysis , 2. Yield, 3. cost of cultivation, 4. gross income, 5. net income 6. B:Cratio, |
| 13 | AHDS | 2016- | Backyard Poultry – | - | 13 | - | Indtroduction of | 1. Weight gain at different |

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| | | 17 | shrinidhi | | | | improved breed of Poultry birds – shrinidhi | stage 2. Gross income and net income |
| 14 | AHDS | 2016-17 | Azolla – supplementary feed | - | 13 | - | Concentrate feed 4 kg + Azolla feed 2 kg | 1. Cost Saving 2. Fat & SNF percentage 3. B:c ratio |
| 15 | Home Science | 2015 | To evaluate the effect of botanical extract (<i>Calotropis procera</i> + Custard apple leaves extract) to control the population of housefly in cow shed | July | 15 | - | Use of botanical extract for flies control | 1. No of flies die 2. Time require for die |
| 16 | Home Science | 2016 | To evaluate the effect low cost drudgery reducing hand wares for soybean harvesting. | Kharif | 15 | - | Use of soybean mitten for harvesting | 1. Time spend for harvesting, 2. Cost of operation, 3. pain injury |