**DARE Report 2020-21**

**Frontline Demonstrations other than CFLD oilseed and pulses**

**Zone/Name of the ATARI: Zone-XI, Bengaluru**

**CROPS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Category and name of the Crop** | **No. of KVKs** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% change in yield** |
| **Demons**  **ration** | **Check** |
| Cereals |  |  |  |  |  |  |
| Paddy | 41 | 340 | 135.7 | 55.96 | 47.11 | 19.1 |
| Wheat | 3 | 25 | 8 | 34.30 | 29.50 | 16.27 |
| Maize | 6 | 100 | 39 | 47.33 | 40.36 | 16.82 |
| Millets |  |  |  |  |  |  |
| Rabi Sorghum | 6 | 69 | 27.6 | 13.32 | 11.08 | 19.58 |
| Finger millet | 12 | 165 | 62 | 23.84 | 20.08 | 21.09 |
| Little millet | 4 | 30 | 12 | 10.33 | 6.99 | 30.46 |
| Foxtail Millet | 11 | 126 | 46.4 | 18.96 | 11.39 | 61.33 |
| Kodo millet | 1 | 10 | 4 | 7.2 | 5 | 30.55 |
| Proso millet | 1 | 5 | 2 | 11.5 | - | - |
| Barnyard Millet | 1 | 10 | 4 | 12.43 | 10.48 | 18.62 |
| Small Millet | 1 | 10 | 4 | 2.85 | - | - |
| Pulses (other than CFLDs) |  |  |  |  |  |  |
| Pigeonpea | 12 | 148 | 62 | 16.41 | 12.73 | 28.10 |
| Greengram | 5 | 53 | 21.4 | 7.06 | 5.15 | 41.05 |
| Black gram | 3 | 18 | 4.54 | 9.13 | 6.48 | 35.52 |
| Horsegram | 1 | 5 | 1 | 5.54 | 4.18 | 32.53 |
| Cowpea | 2 | 20 | 8 | 25.63 | 18.90 | 37.62 |
| Chickpea | 4 | 35 | 14 | 14.18 | 11.91 | 17.51 |
| Soybean | 5 | 41 | 16.4 | 23.58 | 18.43 | 26.73 |
| Oilseeds (other than CFLDs) |  |  |  |  |  |  |
| Groundnut | 5 | 35 | 14 | 19.14 | 15.96 | 20.04 |
| Linseed | 1 | 10 | 4 | 6.5 | 5.25 | 23.8 |
| Sesamum | **2** | 16 | 6.4 | 4.41 | 3.73 | 30.30 |
| Vegetable crops |  |  |  |  |  |  |
| Amaranthus | 1 | 5 | 2 | 19.25 | 13.5 | 29.8 |
| Tomato | 4 | 25 | 7.06 | 167.6 | 102.1 | 46.1 |
| Bhindi | 3 | 17 | 0.22 | 145.73 | 91.20 | 49.73 |
| Carrot | 1 | 5 | 1 | 75 | 60 | 20 |
| Ridgegourd | 3 | 27 | 3.8 | 429 | 352 | 21.19 |
| Bittergourd | 4 | 22 | 1.25 | 1221.3 | 535.8 | 20.9 |
| Spine Gourd | 1 | 5 | 1 | 78.5 | 49.25 | 59.39 |
| Snake gourd | 2 | 25 | 0.6 | 254.3 | 200.5 | 26.58 |
| Brinjal | 3 | 13 | 2.3 | 111.0 | 93.0 | 16.81 |
| Cauliflower | 1 | 3 | 1 | 26.83 | 24.14 | 11.14 |
| Chilli | 3 | 25 | 4 | 162.7 | 120.6 | 19.8 |
| French Bean | 4 | 25 | 5 | 88.8 | 77.3 | 23.5 |
| Green pea | 1 | 5 | 2 | 5.65 | 3.16 | 44.07 |
| Field bean | 1 | 5 | 2 | 32.5 | 29.12 | 11.6 |
| Vegetable Cowpea | 7 | 50 | 3.912 | 214 | 170 | 25.31 |
| Yard long Bean | 1 | 10 | 1 | 211.57 | 161.3 | 31.18 |
| Cucurbits | 1 | 5 | 2 | 12.3 | 107.5 | 16.56 |
| Cluster Bean | 1 | 10 | 2 | 42.6 | 38.2 | 11.5 |
| Cucumber | 1 | 2 | 0.8 | 1374 | 1223 | 12.34 |
| Watermelon | 1 | 2 | 0.8 | 4329 | 3973 | 8.96 |
| Nutri-farm | 4 | 80 | 0.33 | 106.72 | - | - |
| Onion | 9 | 80 | 28 | 193.09 | 151.47 | 24.18 |
| White onion | 1 | 5 | 2 | 124.44 | 105.33 | 18.15 |
| Small Onion | 1 | 5 | 2 | 8.68 | 8.12 | 6.89 |
| Tuber crops |  |  |  |  |  |  |
| Potato | 2 | 20 | 6 | 136 | 101.6 | 33.08 |
| Elephant foot yam | 2 | 10 | 0.03 | 283.7 | 256.2 | 12.5 |
| Cassava | 2 | 15 | 4 | 421 | 372 | 23 |
| Flower crops |  |  |  |  |  |  |
| Chrysanthemum | 5 | 30 | 8 | 99.90 | 87.94 | 38.68 |
| Gaillardia | 1 | 5 | 2 | 74.5 | 64.25 | 15.88 |
| Rose | 1 | 5 | 2 | 121.52 | 109.34 | 11.1 |
| Marigold | 1 | 5 | 0.06 | 71.25 | 52.5 | 35.71 |
| Tuberose | 1 | 5 | 0.02 | 187 | 150 | 25 |
| Fruit crops |  |  |  |  |  |  |
| Banana | 11 | 86 | 21.31 | 238.61 | 199.69 | 20.20 |
| Lime | 2 | 11 | 3.4 | 153.5 | 112 | 36.78 |
| Coorg Mandarin | 1 | 5 | 1 | 153.7 | 133 | 15.5 |
| Grapes | 1 | 5 | 2 | 1245 | 1089 | 14.32 |
| Guava | 1 | 5 | 2.00 | 210.3 | 189.7 | 10.95 |
| Mango | 6 | 57 | 24 | 274.65 | 194.5 | 15.55 |
| Pomegranate | 2 | 8 | 2 | 96 | 81 | 18.5 |
| Spices and condiments |  |  |  |  |  |  |
| Black Pepper | 4 | 35 | 3.1 | 16.24 | 12.5 | 29.89 |
| Ginger | 5 | 28 | 2.321 | 201.75 | 162.0 | 29.58 |
| Turmeric | 4 | 23 | 1.76 | 86.34 | 63.58 | 51.74 |
| Kasturi turmeric | 1 | 4 | 0.1 | 40 | - | - |
| Garlic | 1 | 5 | 2 | 51.1 | 47.3 | 8.03 |
| Commercial crops |  |  |  |  |  |  |
| Sugarcane | 7 | 90 | 26 | 1444 | 1104 | 39 |
| Mulberry | 5 | 37 | 16 | 2070.86 | 1910.73 | 11.31 |
| Fodder crops |  |  |  |  |  |  |
| Areca sheet silage | 1 | 5 | - | 7.29 | 6.03 | 17.2 |
| Guinea and Stylo grass | 1 | 16 | 2 | 1223 | 244 | 400 |
| Fodder sorghum | 3 | 55 | 12 | 348 | 268 | 26.6 |
| Tree fodder crops | 1 | 10 | 0.4 | 285 | 243 | 17.29 |
| Fodder seed production | 1 | 6 | 2 | 7.70 | 6.30 | 22.22 |
| Mixed fodder crops | 1 | 20 | 20 | 610.3 | 155 | 14.8 |
| Napier DHN-6 | 1 | 10 | 1 | 659 | - | - |
| Napier+Fodder sorghum mixed fodder | 1 | 5 | 1 | 1463.06 | 472.94 | 209.36 |
| Fodder cafeteria | 3 | 20 | 2.7 | 195.52 | - | - |
| Fodder Co-4 | 1 | 10 | 0.2 | 3000 | 2200 | 36.36 |
| Plantation crops |  |  |  |  |  |  |
| Coconut | 2 | 16 | 2.8 | 11250 | 7133 | 40 |
| Arecanut | 5 | 35 | 13.00 | 11.93 | 10.02 | 16.31 |
| Cashew | 2 | 15 | 6 | 11.0 | 7.7 | 32.7 |
| Coffee | 2 | 9 | 2.5 | 58.25 | 53.12 | 15.92 |
| Fibre crops |  |  |  |  |  |  |
| Cotton | 3 | 35 | 14 | 23.75 | 20.475 | 19.36 |
| **Total** |  | **2488** | **781.21** |  |  |  |

Livestock

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **No. of KVKs** | **No. of Farmer** | **No. of units** |
|
| Dairy |  |  |  |
| Cow | 21 | 260 | 270 |
| Buffalo | 1 | 10 | 10 |
| Fodder-Nutrition management | 3 | 41 | 41 |
| Poultry |  |  |  |
| Poultry | 4 | 21 | 16 |
| Quail | 1 | 5 | 5 |
| Rabbitry | 0 | 0 | 0 |
| Pigerry | 1 | 5 | 5 |
| Sheep and goat | 15 | 167 | 189 |
| Duckery | 1 | 25 | 25 |
| **Total** |  | **534** | **561** |

Fisheries

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **No. of KVKs** | **No. of Farmer** | **No. of units** |
|
| Common carps | 13 | 72 | 60 |
| Mussels | 1 | 2 | 2 |
| Ornamental fishes | 1 | 10 | 10 |
| Others (pl.specify) |  |  |  |
| Aquaponics farming system | 2 | 2 | 2 |
| Detrodigest isolated from aquaculture fields of Kerala for improving water quality in Aquaculture | 1 | 2 | 2 |
| Fresh water cage Fish farming | 1 | 2 | 1 |
| Nursery of finfish fingerlings | 1 | 1 | 1 |
| Tilapia | 1 | 3 | 3 |
| Pearl spot fishes (Etroplus suretensis) | 1 | 2 | 2 |
| Milk fish | 1 | 5 | 5 |
| **Total** |  | **101** | **88** |

Other enterprises

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **No. of KVKs** | **No. of Farmer** | **No. of units** |
|
| Oyster mushroom | 1 | 30 | 2 |
| Button mushroom | 0 | 0 | 0 |
| Vermicompost | 1 | 10 | 10 |
| Sericulture | 11 | 98 | 98 |
| Apiculture | 0 | 0 | 0 |
| Others (pl.specify) |  |  |  |
| **Total** |  | **138** | **110** |

Women empowerment

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Name of technology | No. of KVKs | No. of demonstrations |
| Women |  |  |  |
| Pregnant women | - | - | - |
| Adolescent Girl | - | - | - |
| Other women | Value addition-Agro based Micro entrepreneurship for farm women | 19 | 24 |
|  | Promotion of sustainable nutrition for farm women through nutri farms | 14 | 149 |
|  | Assessment of Farming System for Nutritional Security to combat hidden hunger | 1 | 30 |
|  | Training on operation of coconut tree climbing device for women-under the Mahila Kisan Sashaktikaran Pariyojana | 1 | 1 |
|  | Agricultural based self employment generated activities for rural women (Mushroom cultivation, value addition and marketing, vermi composting, candle preparation, fish cultivation, poultry rearing, bee keeping). | 8 | 56 |
| Children |  |  |  |
| Neonats | - | - | - |
| Infants | - | - | - |
| Children | Management of malnutrition in children | 1 | 2 |
|  | Demonstration of roasted multi grain supplementary food | 1 | 10 |
|  | Awareness about nutri garden and basic information about agricultural & horticultural crops among school children | 10 | 32 |

Farm implements and machinery

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the implement** | **Crop** | **No. of KVKs** | **No. of Farmer** | **Area (ha)** |
|
| Spiral separator | Soybean | 2 | 30 | 12 |
| Cono weeder | Paddy | 1 | 10 | 4 |
| 4 row walking type transplanter | Paddy | 1 | 5 | 0.4 |
| Two row Power Paddy Weeder | Paddy | 1 | 5 | 0.4 |
| Cotton picking machine | Cotton | 1 | 10 | 4 |
| **Total** |  |  | **60** | **20.8** |

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the Hybrid** | **No. of**  **farmers** | **Area**  **(ha)** | **Yield (qha)** | | |
|  |  |  |  | **Demo** | **Local check** | **% change** |
| **Cereals** |  |  |  |  |  |  |
| Paddy | KRH-4 | 10 | 4 | 73 | 39.8 | 83.42 |
| Maize | CP-819 | 30 | 12 | 58.02 | 49.97 | 15.75 |
| Maize | Dekalb-9141 | 10 | 2 | 75.19 | 66.36 | 13.31 |
| Maize | DKC 1972 | 5 | 2 | 54.15 | 48.08 | 12.62 |
| Maize | MAH-14-5 | 50 | 20 | 68.99 | 61.53 | 12.51 |
| Maize | SONA 5101 | 10 | 4 | 67.5 | 53.8 | 25.46 |
| Maize | NK-6240 | 5 | 5 | 22.8 | 18.2 | 25.27 |
| Maize | Pioneer (P3 501) | 10 | 4 | 54 | 48.5 | 11.34 |
| Total |  | 130 | 53 |  |  |  |
| **Oilseeds** |  |  |  |  |  |  |
| Sunflower | RSFH – 1887 | 10 | 2.4 | 18.66 | 14.53 | 28.42 |
| Sunflower | KBSH-78 | 10 | 4 | 10.31 | 3.39 | 204.13 |
| Total |  | 20 | 6.4 |  |  |  |
| **Fibre crops** |  |  |  |  |  |  |
| Bt Cotton | Pvt Hybrids (Myhico, Ajit 155, Minarva) | 46 | 18.4 | 22.12 | 17.64 | 27.41 |
| Total |  | 46 | 18.4 |  |  |  |
| **Vegetable crops** |  |  |  |  |  |  |
| Cabbage | Saint | 10 | 4 | 247.5 | 227 | 9.03 |
| Cabbage | Unnati | 5 | 1 | 268.4 | 239.3 | 12.16 |
| Cabbage | Green Voyager | 10 | 0.8 | 19.89 | 0 |  |
| Brinjal | Arka Nikitha | 10 | 3 | 208.31 | 173.42 | 20.27 |
| Brinjal | Arka Anand | 5 | 1 | 621 | 531 | 16.95 |
| Chilli | Sitara | 20 | 8 | 177.92 | 151.92 | 16.84 |
| Chilli | Arka Kyathi | 10 | 2 | 306.3 | 219.6 | 39.48 |
| Chilli | Vaishnavi | 5 | 1 | 215.8 | 188.4 | 14.54 |
| Chilli | Arka Harita | 5 | 1 | 224.9 | 177.5 | 26.70 |
| Cucurbits | Private | 5 | 2 | 123 | 107.5 | 4.42 |
| Onion | Arka Laalima | 5 | 2 | 282 | 220 | 28.18 |
| Tomato | Shivam (Hyveg) | 10 | 4 | 61.14 | 55.21 | 10.74 |
| Tomato | Arka Abhed | 5 | 1 | 482 | 384 | 25.52 |
| Tomato | Arka Samrat | 10 | 2 | 655 | 520 | 25.96 |
| Tomato | Arka Rakashk | 5 | 2 | 5700 | 3800 | 50.00 |
| Tomato | Abhinava | 5 | 1 | 61.3 | 54.36 | 12.77 |
| Tomato | Saho | 5 | 1 | 64.5 | 50 | 29.00 |
| Watermelon | Naamdari | 15 | 6 | 431.25 | 296.9 | 40.06 |
| Muskmelon | Patasha (Kalash seeds) | 5 | 1 | 36.3 | 25.41 | 42.86 |
| Total |  | 150 | 43.8 |  |  |  |
| **Flower crops** |  |  |  |  |  |  |
| Marigold | Benz tall | 5 | 1 | 11.77 | 9.76 | 20.59 |
| Tuberose | Arka Prajwal | 5 | 0.02 | 187 | 150 | 24.67 |
| Total |  | 10 | 1.02 |  |  |  |
| G. Total |  | **356** | **122.62** |  |  |  |