**Agronomy**

**Faculty Members:**

1. Prof. Patil Pranavshingh R.

2. Prof.Karpe Ashwini H

3. Prof. Kaledhonkar P.

**Agronomy Laboratories equipments and facilities**

**Agronomy a. Tools and Implements** Total No. of Laboratories: 02

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. N.** | **Item** | **Quantity** | **S. N.** | **Item** | **Quantity** |
| 1 | Seed samples | 38 | 48 | Rein | 1 |
| 2 | Wooden plough model | 1 | 49 | Head stall | 1 |
| 3 | Iron mould board plough model | 1 | 50 | Rope | 1 |
| 4 | Slit blade hoe model | 1 | 51 | Measuring tape | 1 |
| 5 | Entire blade hoe model | 1 | 52 | Marker | 1 |
| 6 | Harrow model | 1 | 53 | Weed species photo plates | 10 |
| 7 | Yoke Model | 1 | 54 | Digital flex charts | 24 |
| 8 | Indigenous seed drill model | 1 | 55 | Petri dish | 8 |
| 9 | Rain gauge-self recording | 2 | 56 | Akola hoe | 1 |
| 10 | Hair hygrograph | 1 | 57 | Japanese hoe | 1 |
| 11 | Wind Vane with stand | 1 | 58 | plank | 1 |
| 12 | Robinsons cup anemometer | 1 | 59 | double ring infiltrometer | 1 |
| 13 | Chopper | 6 | 60 | Weighing balance | 1 |
| 14 | Non recording rainguage | 1 | 61 | Iron plough | 1 |
| 15 | Bimetallic thermograph | 1 | 62 | Deccan blade harrow | 1 |
| 16 | Measuring cylinder | 1 | 63 | Sara yantra |  |
| 17 | Stevenson’s screen | 1 | 64 | Ridger | 1 |
| 18 | USWB pan evapometer | 1 | 65 | Seed drill | 1 |
| 19 | Water current meter | 1 | 66 | Groundnut Sheller | 2 |
| 20 | Tensiometer | 2 | 67 | Sunflower thresher | 2 |
| 21 | Keen box | 6 | 68 | Onion grader | 1 |
| 22 | Bottle pycnometer | 6 | 69 | Swastika implement | 1 |
| 23 | Aluminium box | 30 | 70 | Peg tooth cultivator | 1 |
| 24 | Soil thermometer | 2 | 71 | Slit hoe | 2 |
| 25 | Drippers, end cap, grommet | 1 each | 72 | Narayan hand hoe | 1 |
| 26 | Nozzles | 2 | 73 | Seed dressing drum | 1 |
| 27 | Micro tubes, sphagetti | 4 | 74 | Stubble remover | 1 |
| 28 | Laterals, joiner | 1 each | 75 | Duster | 1 |
| 29 | Screw auger | 1 | 76 | Spray pump | 1 |
| 30 | Stakes | 1 | 77 | Maruti pump | 1 |
| 31 | Thermostat oven | 1 | 78 | Neem powder machine | 1 |
| 32 | Sprinkler with riser | 1 | 79 | Disc harrow | 1 |
| 33 | Hammer | 1 | 80 | Sugarcane planter | 1 |
| 34 | Orifice | 1 | 81 | Sugarcane cultivator | 1 |
| 35 | 90o V notch | 1 | 82 | Rotavator | 1 |
| 36 | Rectangular weir | 1 | 83 | Tractor & accessory implements | 2 |
| 37 | Pharshalle flume | 1 | 84 | Power tiller | 1 |
| 38 | Weeding hooks | 20 | 85 | Weighing balance ( 100 kg) | 1 |
| 39 | Sickle | 4 | 86 | Weighing balance ( 5 kg) | 1 |
| 40 | Spade | 6 | 87 | Iron basket | 6 |
| 41 | Pick axe | 6 | 88 | Axe | 1 |
| 42 | Kudali | 2 | 89 | Watering can | 4 |
| 43 | Crow bar | 1 | 90 | Hot water treatment unit | 1 |
| 44 | Iron basket | 5 | 91 | Freeze | 1 |
| 45 | Whip | 1 | 92 | Stove | 1 |
| 46 | Nose string | 1 | 93 | Max,min,Dry,wet bulb thermometer | 4 |
| 47 | Mouthgag | 2 |

**b. Consumable material being used**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Item** | **Sr. No.** | **Item** |
| 1 | Vermicompost | 15 | Confidor (100 ml.) |
| 2 | Micronutrient Micnelf | 16 | Hostathion (100 ml.) |
| 3 | Copper Sulphate | 17 | Borax |
| 4 | Carbendazim | 18 | chloropyrihos 20EC |
| 5 | Diathane M-45 | 19 | Nuvan |
| 6 | Diathane Z-78 | 20 | Dimethoate |
| 7 | Folidol | 21 | Monocrotophos |
| 8 | Urea | 22 | Chloropyrihos 50EC |
| 9 | 19:19:19 | 23 | Atrataf |
| 10 | S.S.P. | 24 | Round-up |
| 11 | M.O.P. | 25 | Gramoxone |
| 12 | D.A.P. | 26 | Thimet |
| 13 | Planofix (100 ml.) | 27 | Sulpher |
| 14 | Bavistin (500 ml.) | 28 | 15:15:15 |

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| **C. Teaching Aids Used** | **D. Agronomical crops** |
| \* Rolling boards | \* Sugarcane |
| \* Charts and Maps | \* Sunflower |
| \* Photographs | \* Sorghum |
| \* L.C.D. Slide Projector | \* Safflower |
| \* Video C.D. | \* Lucerne |
| \* Live samples | \* Wheat |
| \* Black board and chalk | \* Gram |
| \* Over head projector (OHP) | \* Lentil |
| \* Models |  |

**E. Study Tours Organized**

\* Visit to shendage’s dairy farm, sarade

\* Visit to Sangvi for farming system survey

\* Visit to Organic farm, Ravangaon

\* Participation for International conference at Mysore.

\* Jaggary preparation unit, Pandare

\* Visit to aagarkar research station, Hol

\* Visit to seed testing laboratory, shivaji nagar, Pune

\* Visit to Amer seeds, Phaltan

\* Visit to Sakurde to study the watershed development activities.