

Spraying S Herbicides

| Sr. No. | Herbicide | Crops | Weed Species | Dose a.i. / ha |
|---------|-------------|----------------------|-----------------------|-----------------|
| I | II | III | IV | V |
| 1 | Alachor | 1. Cotton | 1. Echinochloa Spp. | 2.0 - 2.25 Kg |
| | | 2. Maize | 2. Euphorbia Hirta | 2.5 kg |
| | | 3. Groundnut | 3. Phyllanthus Niruri | 2.5 kg |
| | | 4. Soyabean | 4. Trianthema Spp. | 2.5 kg |
| | | 5. Sugarcane | 5. Digera Arvensis | 3.75 to 5 Kg |
| | | | 6. Portulaca Oleracea | |
| | | | 7. Eleusine Spp. | |
| 2 | Atrazine | 1. Maize | 1. Trianthema Spp. | 0.5 to 1.0 kg |
| | | 2. Sugarcane | 2. Digera Arvensis | 0.5 to 2.0 kg |
| | | 3. Potata | 3. Eleusine Spp. | 0.25 kg |
| | | 4. Bajra | 4. Polygonum Spp. | 0.05 to 1.0 kg |
| | | | 5. Echinochloa Spp | |
| | | | 6. Amaranthus Spp. | |
| | | | 7. Digitaria Spp. | |
| | | | 8. Chenopodium Album | |
| | | 9. Spergula Arvensis | | |
| 3 | Benthiocarb | Paddy | Echinochloa Spp | 1.5 kg |
| 4 | Butachlor | Paddy | 1. Eleusine Spp. | 1.25 to 2.00 kg |
| | | | 2. Fimbristylis Spp. | |
| | | | 3. Eleusine Indica | |
| | | | 4. Cyperus Iria | |
| 5 | Dalapon | 1. Tea | 1. Cynodon Dactylon | 2.5 to 6.0 kg |
| | | 2. Rubber | 2. Digitaria Spp. | 10 Kg |
| | | 3. Jute | 3. Eleusine Indica | 6 to 8 Kg |
| | | 4. Mesta | 4. Paspalum Spp. | 6 to 8 Kg |
| | | 5. Forestry | 5. Penniselum Spp. | 11.0 Kg |
| | | | 6. Setaria Spp. | |
| | | | 7. Sorghum Halepens | |
| | | 1. Cotton | 1. Amaranthus Spp. | 0.75 to 1.5 kg |

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| 6 | Diuron | 2. Tea | 2. Chenopodium Album | 0.5 to 0.75 kg |
| | | 3. Banana | 3. Convolvulus Arvensis | 1.6 kg |
| | | 4. Rubber | 4. Digitaria Bifaciculata | 1.6 to 3.2 kg |
| | | 5. Coffee | 5. Portulaca Oleracea | 2.00 kg |
| | | 6. Citrus | 6. Setaria Glaunca | 2.0 to 4.0 kg |
| | | 7. Sugarcane | 7. Xanthium Strumarium | 1.6 to 3.2 kg |
| | | 8. Grapes | 8. Anagallis Arvensis | 1.6 kg |
| | | 9. Maize | 9. Commelina Benghalensis | 0.8 kg |
| | | 10. Sapora | 10. Setaria Sp | |
| | | | | 11. Coronopus Didymus |
| 7 | Fluchloralin | 1. Rice | 1. Echinochloa Sp. | 0.56 to 0.80 kg 0.9 kg direct seeds |
| | | 2. Cotton | 2. Amaranthus Spp | 0.9 to 1.2 kg |
| | | 3. Onion | 3. Eclipta Alba | 0.67 to 0.908 kg |
| | | 4. Lady's Finger | 4. Cyperus Iria | 0.9 to 1.2 kg |
| | | 5. Groundnut | 5. Trianthema Spp | 1.0 kg |
| | | 6. Wheat | 6. Portulaca Spp | 0.255 to 1.0 kg |
| | | 7. Potata | 7. Panicum Spp | 0.45 to 0.67 kg |
| | | 8. Brinjal | 8. Eleusine Spp | 0.9 to 1.35 kg |
| | | 9. Soyabean | 9. Chenopodium Album | 1.0 to 1.5 kg |
| | | 10. Cabbage | 10. Poa Annua | 0.22 to 0.67 kg |
| | | 11. Black Gram | 11. Chloris Barbata | 1.0 kg |
| 8 | Glyphosate | Tea | 1. Axonopus Compressus | 0.82 to 1.23 kg |
| | | | 2. Cynodon Dactlyon | |
| | | | 3. Imperata Cylindrical | |
| | | | 4. Polygonum Perfoliatum | |
| | | | 5. Kalm Grass | |
| | | | 6. Arundinella Benghalensis | |
| | | | 7. Paspalum Scorbiculatume | |
| 9 | Isoproturon | Wheat | 1. Phalaris Minor | 0.82 to 1.23 kg |
| | | | 2. Avena Fatua | |
| | | | 3. Poa Annua | |
| | | 1. Rice | 1. Cyperus Rotundus | 0.8 to 2.0 kg |
| | | 2. Wheat | 2. Ammania Bacifera | 1 kg |

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| 10 | MCPA | 3. Sugarcane | 3. Ludwigia Parviflora | 5 kg |
| | | | 4. Chenopodium Album | |
| | | | 5. Fumaria Parviflora | |
| | | | 6. Carthamus Oxyacantha | |
| | | | 7. Melilotus Spp. | |
| 11 | Methabenzthiazuron | Wheat | 1. Phalaris Minor | Pre-em 1.05 to 1.4 kg |
| | | | 2. Poa Annuua | Post emergence 1.4 to 1.75 kg |
| | | | | Early post Em. 0.70 to 0.87 kg |
| | | | 3. Avena Spp. | After 16 to 18 days |
| | | | 4. Chenopodium Album | |
| 5. Anagallis Arvensis | | | | |
| 12 | Metoxuron | Wheat | 1. Phalaris Minor | 1.2 to 1.6 kg |
| | | | 2. Avena Spp. | |
| | | | 3. Poa Annuua | |
| | | | 4. Melilotus Alba | |
| | | | 5. Anagallis Arvensis | |
| | | | 6. Chenopodium Album | |
| 13 | Paraquat Dichloride | 1. Tea | 1. Imperata Cylindrical | 0.2 to 1.0 kg |
| | | 2. Coffee | 2. Setaria Spp | 0.25 kg |
| | | 3. Rubber | 3. Clerodendron Spp | 0.3 to 0.6 kg |
| | | 4. Sugarcane | 4. Arundinella Spp | 0.5 kg |
| | | 5. Cotton | 5. Commelina Spp | 0.3 to 0.5 kg |
| | | 6. Apple | 6. Paspalum Spp | 0.75 kg |
| | | 7. Grapes | 7. Chenopodium Album | 0.5 kg |
| | | 8. Paddy (Minimal tillage) | 8. Fumaria Sp. | 0.3 to 0.8 kg |
| | | 9. Wheat (Minimal tillage) | 9. Anagallis Sp. | 1 kg |
| | | 10. Potota | 10. Digitaria Sp. | 0.5 kg |
| 14 | Pendimethalin | 1. Paddy | 1. Echinochloa Spp. | 1.0 to 1.5 kg |
| | | 2. Wheat | 2. Fimbristylis Sp | |
| | | | 3. Ludwigia Sp | |
| | | | 4. Cyperus Iria | |

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|----|-----------|-----------------|---|--------------------|-------------|
| | | | 5. Phalaris Minor | | |
| | | | 6. Avena Sp | | |
| | | | 7. Poa Sp | | |
| | | | 8. Chenopodium Sp | | |
| 15 | Propanil | 1. Rice | 1. Echinochloa Spp. | 2 to 3 kg | |
| | | 2. Potato | 2. Cyperus Difformis | 1.0 kg | |
| | | | 3. Cyperus Iria | | |
| | | | 4. Chenopodium Album | | |
| | | | 5. Melilotus Sp | | |
| | | | 6. Brachiaria Sp | | |
| | | | 7. Fimbristylis Miliacea | | |
| | | | 8. Lathyrus Aphaca | | |
| | | | 9. Argemone Mexicana | | |
| 16 | Simazine | 1. Maize | 1. Trianthema Monogyna | 0.5 to 1.0 kg | |
| | | 2. Fodder Maize | 2. Digera Arvensis | 0.5 to 1.0 kg | |
| | | 3. Sugarcane | 3. Echinochloa Sp | 1.12 kg to 2.24 kg | |
| | | 4. Tea | 4. Eleusine Sp | 1.5 to 2.0 kg | |
| | | | 5. Xanthium Strumarium | | |
| | | | 6. Brachiaria Sp | | |
| | | | 7. Digitaria Sp | | |
| | | | 8. Cleome Viscosa | | |
| | | | 9. Polygonum Sp | | |
| | | | 10. Dactyloctenium Aegyptium | | |
| | | | 11. Eragrostis Sp | | |
| | | | 12. Digitaria Sanguinalis | | |
| | | | 13. Borreria Hispida | | |
| | | | 14. Ageratum Conyzoides Commelina Benghalensis | | |
| 17 | Triallate | Wheat | Avena Fatua | 1.25 kg | |
| | | | | EE | Amine Salts |

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| 18 | 2,4-D | 1. Sorghum | 1. Echinochloa Spp | 1.0 kg | 1.8 kg | |
| | | 2. Maize | 2. Echinochloa Crusgalli | 0.9 kg | 0.5 kg | |
| | | 3. Wheat | 3. Panicum Spp | 0.45 to 0.75 kg | 0.5-0.75kg | |
| | | 4. Sugarcane | 4. Cyperus Spp. | 1.2 to 1.8 kg | 3.5kg | |
| | | 5. Paddy | 5. Ludwigia Parviflora | 0.85 kg | - | |
| | | 6. Potata | 6. Eclipta Alba | | 2.0 kg | |
| | | 7. Tea | 7. Ammania Bacifera | | 0.8kg | |
| | | 8. Citrus Groups | 8. Striga Sp. | | | |
| | | 9. Aquatic Weeds | 9. Trianthema Sp | 2.5kg | 0.5-1.0kg | |
| | | 10. Non Crop Area | 10. Digera Avenis | | | |
| | | | 11. Convolvulus Arvensis | | | |
| | | | 12. Euphoria Hirta | | NA | Salt |
| | | | 13. Phyllanthus Niruri | | 1.0 kg Maize | |
| | | | 14. Amaranthus Sp. | | 0.5 to 0.8 kg Wheat | |
| | | | 15. Portulaca Oleracea | | 2 to 2.6 kg Sugarcane | |
| | | | 16. Chenopodium Album | | 1.5 kg aquatic Weed | |
| | | 17. Asphodelus | 0.5 to 1.0 kg | | | |

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| | | | Tenuifolius | Tea | |
| | | | 18. Fumaria Parviflora | 4 to 8 kg Non-Crop Land | |
| | | | 19. Melilotus Alba | 1.0 to 2.5 kg Citrus | |
| | | | 20. Spergula Arvensis | 2.0 kg Grapes | |
| | | | 21. Commelina Benghalensis | | |
| | | | 22. Eichhornia Crassipes | | |
| | | | 23. Trianthema Monogyna | | |
| | | | 24. Ageratum Sp | | |
| | | | 25. Parthenium Hysterophorus | | |
| 19 | Oxyfluorfen | 1. Paddy | 1. Echinochloa Spp | 150-240 gm | |
| | | | 2. Cyperus Iria | | |
| | | | 3. Cyperus Difformis | | |
| | | | 4. Eleusine Indica | | |
| | | | 5. Eclipta Alba | | |
| | | | 6. Fimbristylis Spp | | |
| | | 2. Tea | 1. Digitaria Spp | 150-250 gm | |
| | | | 2. Imparata Cylindrical | | |
| | | | 3. Paspalum Conjugatum | | |
| | | 3. Potato | 1. Chenopodium Album | 150-250 gm | |
| | | | 2. Coronopus Didymus | | |
| | | | 3. Haliotropium Eichwaldi | | |
| | | | 4. Ttrianthema Monogyna | | |
| | | | 5. Cyperus Iria | | |
| | | 4. Onion | 1. Chenopodium Album | 150-250 gm | |
| | | | 2. Amaranthus Viridis | | |
| | | 5. Groundnut | 1. Echinochloa Colonum | 150-250 gm | |
| 2. Digitaria Spp | | | | | |
| | | 1. Wheat | 1. Phalaris Minor | 5.0 kg | |

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| 20 | Srimate | 2. Potato | 2. Poa Annua | 5. 0 kg |
| | | 3. Peanut | 3. Echinochloa Colonum | 7.5 kg |
| | | | 4. Digitaria Spp | |
| | | | 5. Chenopodium | |
| | | 6. Anagalis arvensis | | |
| 21 | Trichloro Acetic Acid | Non Cropped Area | 1. Agropyron Repens | 6.0 - 7.5 kg |
| | | | 2. Cynodon Dactylon | |
| | | | 3. Sorghum Helepense | |
| 22 | Anilophos | 1. Paddy | 1. Echinochloa Spp. | |
| | | | 2. Cyperus Iria | |
| | | | 3. Cyperus Difformis | |
| | | | 4. Eleusine Indica | |
| | | | 5. Fimbristylis Miliacea | |
| | | | 6. Ludwigia Parviflora | |
| | | | 7. Ischaemum Rugosum | |
| | | 2. Soyabean | 1. Echinochloa Colonum | 1.25 to 1.50 kg |
| | | | 2. Commelina Benghalensis | |
| | | | 3. Cyanotis Axilaris | |
| | | | 4. Ageratum Conyzoides | |
| | | | 5. Acalypha Indica | |
| | | | 6. Xanthium Strumarium | |
| | | | 7. Acalypha Indica | |
| 23 | Metribuzin | 1. Sugarcane | 1. Cyperus Spp. | 1.05 - 2.0 kg |
| | | 2. Potato | 2. Cynodon Dactylon | 0.525 kg |
| | | 3. Tomato | 3. Chenopodium Album | 0.525 kg |
| | | 4. Soybean | 4. Convolvulus Arvensis | 0.350 - 0.525 kg |
| | | | 5. Portulaca Oleracea | |
| | | | 6. Echinochloa Spp. | |
| | | | 7. Commelina Spp. | |
| | | | 8. Trianthema Monogyna | |
| | | | 9. Fumaria Parviflora | |
| | | | 10. Melilotus Spp. | |

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|-----------------|-------------|--------------------|-----------------------------|----------------|
| | | | 11. Phalaris Minor | |
| | | | 12. Digitaria Spp. | |
| 24 | Trifluralin | 1. Cotton | 1. Trianthema Spp. | 0.96 to 1.2 kg |
| | | | 2. Acalypha indica | |
| | | | 3. Euphorbia spp. | |
| | | | 4. Commelina sp. | |
| | | | 5. Eleusine sp. | |
| | | | 6. Eragrostis tinella | |
| | | | 7. Phyllanthus niruri | |
| | | | 8. Amaranthus sp. | |
| | | | 9. Echinochloa sp. | |
| | | | 10. Cyperus difformis | |
| | | | 11. Cyperus iria | |
| | | 2. Soybean | 1. Euphorbia Sp. | 0.96 to 1.2 kg |
| | | | 2. Acalypha Indica | |
| | | | 3. Cyperus Difformis | |
| 4. Cyperus Iria | | | | |
| | | | 5. Phyllanthus Niruri | |
| 25 | Metolachlor | Soybean | 1. Echinochloa Spp | 1.0 Kg |
| | | | 2. Eleusine Indica | |
| | | | 3. Digitaria Sp | |
| | | | 4. Dactyloctenium Aegyptium | |
| | | | 5. Panicum Spp | |
| | | | 6. Cyperus Spp | |
| | | | 7. Amaranthus Viridis | |
| 26 | Oxadiazon | Transplanted Paddy | 1. Echinochloa Crusgalli | 0.50 kg |
| | | | 2. Echinochloa Colonum | |
| | | | 3. Cyperus Iria | |
| | | | 4. Cyperus Difformis | |
| | | | 5. Marsilia Quadrifoliata | |
| | | | 6. Eclipta Alba | |
| | | | 7. Ludwigia Spp | |
| | | | 1. Echinochloa Crusgalli | |

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|---------------|------------------|--------------------|--------------------------|----------------|
| 27 | Pretilachlor | Transplanted Paddy | 2. Echinochloa Colonum | 0.5 to 0.75 kg |
| | | | 3. Cyperus Difformis | |
| | | | 4. Cperus Iria | |
| | | | 5. Fimbristylis Miliacea | |
| | | | 6. Eclipta Alba | |
| | | | 7. Ludwigia Parviflora | |
| | | | 8. Leptochloa Chinensis | |
| | | | 9. Monochrea Vaginalis | |
| | | | 10. Penicum Repens | |
| | | | 28 | |
| 2. Sugar Beet | 2. Phalaris Spp | | | |
| | 3. Loolium Spp | | | |
| | 4. Digitaria Spp | | | |
| | 5. Agrostis Spp | | | |
| | 6. Setaria Spp | | | |
| | 7. Panicum Spp | | | |

Plant Growth Regulators

| Sr. No. | Plant Growth Regulators | Crops | Weed Species | Dose a.i. / ha |
|---------|--------------------------------------|----------------------|-------------------------------|----------------------|
| I | II | III | IV | V |
| 1 | Gibberallic Acid | 1. Grape Fruit | At all bloom (for Fruit Seed) | 500-1000 gm |
| | | 2. Sweet Cherry | | 40-80 gm |
| | | 3. Grapes | For Fruit set | 100 ppm |
| | | 4. Grapes (Seedless) | | 15-60 ppm |
| | | 5. Brinjal | | Blanket spray weekly |
| | | | Seed treatment dibbing | 10 ppm |
| | Alpha Naphthyl Acetic Acid (A.N. A.) | 1. Tomato | At the time of Flowering | 45 /20.25 ppm |

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|-------------|----------------------|---------------------|---|---------------------|
| 2 | | 2. Brinjal | At the time of flowering | 45 / 20.25 ppm |
| | | 3. Pea | At the flowering stage | 10 / 45 ppm |
| | | 4. Chillies | During flowering stage | 10 /45 ppm |
| | | 5. Apple | 6-14 day before heavy drop is expected | 10 / 0.12 - 0.2 ppm |
| | | | When fruits are of pea size | 10 / 0.12 - 0.2 ppm |
| | | 6. Citrus | When fruits are of pea size and to control malformation. Spray before 3 months of flowering | 20 / 0.24 - 0.4 ppm |
| | | 7. Mango | 3 sprays. | 10.20 ppm |
| | | | 55, 70 and 85 days after sowing to check the falling of flower & balls. | |
| 8. Cotton | | | | |
| 3 | Ethenphon | 1. Mango | Breaking alternate bearing tendencies | 200 ppm. |
| | | | For flower induction | 1000 ppm |
| | | | For post harvest treatment | 500 ppm. |
| | | 2. Pineapple | For Flower induction | 100 ppm. |
| | | 3. Coffee (Arabica) | For uniform ripening of berries | 192 ppm. |
| | | 4. Coffee (Robusta) | For uniform ripening of berries | 96 ppm. |
| | | 5. Tomato | Post harvest treatment | 2500 ppm. |
| 6. Cucumber | For sex modification | 125 ppm. | | |

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| | | 7. Groundnut | For breaking seed dormancy | 500 ppm. |
| | | 8. Rubber | For boosting latex yield | 1000 ppm. |
| 4 | Chloro Choline Chloride (CCC) or Chlormequat Chloride | 1. Cotton | Square formation to early flowering | 20-40 gm |
| | | 2. (American) Cotton (Desi) | Square formation to early flowering | 75 gm |
| | | 3. Grape | Pre bloom stage | 600 - 1000 ppm. |
| | | 4. Brinjal | Before sowing (Seed Soaking for 24 hours) | 50 ppm. |
| | | 5. Ber | Mid July | 100 ppm. |
| | | 6. Potato | Dipping of cut pieces for 10 minutes | 100 ppm. |
| 5 | Maleic Hydrazide | 1. Onion | Preventing of Bolting | 750 ppm. |
| | | | Pre-harvest spray | |
| | | 2. Grapes | Induction of pollen sterility; at an early stage of development of panicle | 500 - 750 ppm. |
| | | 3. Tomato | Induction of pollen sterility; a week prior to opening of | 50 - 100 ppm. |
| | | 4. Onion | first flower | 50 - 100 ppm. |
| | | 5. Tobacco | Suppression of suckers; | 2,500 - 3,000 |

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| | | 5. Tobacco | spraying after detopping | ppm. |
| | | 6. Cow Pea | To check apical dominance; before flower initiation | 50 - 200 ppm. |
| | | 7. Poppy - Opium | Latex stimulant; one week before lancing | 30 - 45 ppm. |
| | | 8. Brinjal | To induce pollen sterility; before opening of flower | 600 ppm. |
| | | 9. Potato | 15-20 days before harvest | 3000 ppm |

Fungicides

| Sr. No. | Fungicides | Crops | Weed Species | Dose a.i. / ha |
|-----------|--------------------|--------------|-----------------------|--------------------------------|
| I | II | III | IV | V |
| 1 | Benomyl | 1. Apple | Scab | 1.25 gm / 10 l.w/tree |
| | | 2. Cucurbits | Anthracnose | 100 gm / 600 l.w |
| | | | Powdery mildew | |
| | | 3. Grapes | Anthracnose | 150 gm in 625-700 l. w. |
| | | | Powdery mildew | |
| | | 4. Groundnut | Tikka leaf spot | 112.5 gm in 750 l.w. |
| | | 5. Peas | Powdery mildew | 125 gm in 600 l.w. |
| 6. Chilly | 100 gm in 600 l.w. | | | |
| | | 7. Wheat | Loose smut | 1 gm/Kg seed restricted in use |
| 2 | Captafol | 1. Pea | Seed rot | 3.2gm / kg seed |
| | | 2. Groundnut | Seed and seedling Rot | |
| | | 3. Sorghum | Seedling Blight | 2.47gm / kg seed |
| | | 4. Maize | | |
| | | 5. Chillies | Damping Off | |

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|----------------|----------------------------|-----------------|--------------------------------|--------------------------|
| | | 6. Tomato | | |
| | | 7. Soyabean | Seed rot and Seed born disease | 3.2 gm / kg seed |
| 3 | Captan | 1. Apple | Scab | 1.25 kg/ha |
| | | 2. Cabbage | Damping off | 1-1.5 gm/l |
| | | 3. Cauliflower | | |
| | | 4. Cherry | Brown rot | 1.25 kg / 750-1000 l.w. |
| | | 5. Chilly | Damping off | 1 - 1.5 gm/l |
| | | 6. Coffee | Leaf spot | |
| | | 7. Grapes | Downy mildew | 1.25 kg / 750-1000 l.w. |
| | | 8. Potato | Early blight | |
| | | | Late blight | |
| | | 9. Tobacco | Damping off | 1 - 1.5 gm/l |
| | | 10. Tomato | Damping off | |
| | | | Early blight | |
| | | Late blight | | |
| 4 | Carbendazim | 1. Apple | Scab | 1.25 gm/10 l tree |
| | | 2. Barley | Loose smut | 1 gm / Kg seed |
| | | 3. Ber | Powdery mildew | 5 gm / 10 l water / tree |
| | | 4. Brinjal | Fruit rot | 150 gm in 600 l. water |
| | | | Leaf spot | |
| | | 5. Chilly | Damping off | 1 gm / kg seed |
| | | 6. Cluster bean | Powdery mildew | 125 in 750 l. water |
| | | 7. Cotton | Leaf spot | |
| | | 8. Cow Pea | Anthracnose | 150 gm in 600 lo. Water |
| | | | Collar rot | |
| Leaf spot | | | | |
| Powdery mildew | | | | |
| | Copper Oxy Chloride | | | |
| | | 1. Arecanut | Koleroga | 1.25 kg / 750 |

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| 5 | | | | 1.25 kg / 750 - 1,000 l.w |
| | | 2. Banan | Fruit rot, leaf spot | |
| | | 3. Betelvine | --do-- | |
| | | 4. Cardamom | Clump rot | 1.87 - 2.75 kg / 750 - 1,000 l.w. |
| | | | Leaf spot | |
| | | 5. Chilly | Fruit Rot, Leaf Spot | 1.25 kg / 750 - 1,000 l.w. |
| | | 6. Citrus | Canker, foot rot | |
| | | 7. Coconut | Bud rot | |
| | | 8. Coffee | Black rot, rust | 1.87 - 3.75 kg / 750 - 1,000 l.w. |
| | | 9. Cumin | Leaf blight | |
| | | 10. Grapes | Downy mildew | |
| | | 11. Paddy | Brown leaf spot | 1.25 kg / 750- 1000 l.w. |
| | | 12. Palmyra | Bud rot | |
| | | 13. Pepper | Fruit Rot, Leaf Spot | |
| | | 14. Potato | Early blight, late blight | |
| | | 15. Rubber | Secondary leaf fall | 1.8 - 6.25 kg metallic cu/ha |
| | | 16. Tea | Black rot, red rust | 600 gm / 125 l.w. |
| | | | Blister blight | 420 gm / 175 l.w. |
| | 17. Tobacco | Black shank, frog eye spot | 1.25 kg / 750- 1000 l.w. | |
| | 18. Tomato | Early blight, late blight | 1.25 kg / 750- 1000 l.w. | |
| | | Leaf spot | | |
| 6 | Carboxin | Barley | Covered smut, loose smut | 1 - 1.25 gm / kg seed |
| | | Cotton | Angular Leaf Spot | |
| | | | Bunt, Flagr Smut | |
| | | Wheat | Loose smut | |

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| 7 | Copper Sulphate | | | It is used in the form of Bordeaux mixture which is spre on Coffee, Cardamom, Rubber, Tea, Citrus, Guava, Coconut, Papaya and Potato to Control Fungus Diseases. |
| 8 | Cuprous Oxide | Paddy | Blast | 0.2 kg / Acre |
| | | Potato | Late blight | |
| | | Rubber | Secondary leaf fall | |
| | | Arecanut | Koleroga | |
| | | Betelvine | Wilt & foot rot | |
| | | Chillies | Fruit rot | |
| | | Citrus | Canker fruit fall | |
| | | Coffee | Leaf rust, black rot | |
| | | Cotton | Anthracnose | |
| | | | Bacterial blight | |
| | | | Black arm | |
| | | Grapes | Downy mildew, anthracnose | |
| Groundnut | Tikka leaf spot | | | |
| 9 | Dinocap | Apple, Grapes | Powdery mildew | 100 ml in 750 l. water |
| | | Mango, Beanes | | |
| | | Okra, Peaches | | |
| | | Ber, Peas, Poppy | | |
| | | Chilly, Rose, | | |
| | | Wheat, Cucur - bits, Cumin, Fenugreek | | |
| 10 | Dithianon | Apple | Scap | 1350 gm/ha. |
| 11 | Edifenphos | Paddy | Blast, Brown leaf | 250 - 300 ml / |

| | | | | |
|-----------|------------------|--------------|--|----------------------------------|
| 11 | Eurepplus | Paddy | spot | 750-1000 l. water |
| 12 | Ferbam | Apple | Scab | 1.125 - 1.5 kg / 750 - 1000 l.w |
| | | Carnation | Rust | 1.5 gm / 1 l.w. |
| | | Sweet potato | Black spot | 1:2000 mixture |
| | | Rose | Black spot | 1.5 gm / 1 l.w. |
| 13 | Kitazin | Paddy | Blast, Brown leaf spot | 0.5 kg / has |
| | | Apple | Black rot, Fly Speck Scab, Scooty blotch | 22.5 gm/10 l.w./tree |
| | | Banana | Cigar end rot, Leaf spot Sigatoka, Tip rot | 1.125 - 1.5 kg in 1,000 l. water |

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|-----------|------------------------------|-------------|-----------------------------------|---|
| 14 | Mancozeb | Bean | Anthraco nose, Leaf Spot | 1.125 - 1.5kg in 750 l. water |
| | | Cardamom | Capsule rot, Leaf rot | 1.125 kg in 1,000 l.w. |
| | | Cauliflower | Collor rot | 2.25 gm / l.water |
| | | | Leaf Spot | 1.125 - 1.5 kg in 750 l. water |
| | | Chilly | Damping off | 2.25 gm / 1.1.w. |
| | | | Fruit rot, leaf spot, ripe rot | 1.125 - 1.5 kg in 750 l. water |
| | | Coconut | Leaf rot | 22.5 gm / 10 l.w./tree |
| | | Cucurbits | Anthraco nose, downy mildew | 1.125 - 1.5kg in 750 l. water |
| | | Ginger | Yellow disease | 450 gm / 300 l. water for 12 - 14 quintals |
| | | Grapes | Angular leaf spot | 1.125 - 1.5 kg in 750 l.w. |
| | | | Anthraco nose, Downy mildew | |
| | | Groundnut | Rust, Tikka leaf spot | --do-- |
| | | Guava | Fruit rot | 15 gm/10 l.w./tree |
| | | Maize | Downy mildew, leaf blight | 1.125 - 1.5 kg in 750 l. water |
| Onion | Leaf blight | | | |
| Paddy | Blast | | | |
| Potato | Early blight, late blight | | | |
| Sorghum | Leaf spot | | | |
| Soybean | Rust | | | |
| Sugarbeet | Leaf spot | | | |

| | | | | |
|-----------|---|-----------|--|--------------------------------------|
| | | Sunflower | Leaf rust, Leaf spot | |
| | | Tapioca | Leaf spot | |
| | | Tomato | Buck eye rot, Late Blight, leaf spot | |
| | | Urid | Leaf spot | |
| | | Wheat | Black rust, Brown rust, Leaf blight | |
| | | Walnut | Downy leaf spot | 15-20 gm / 10 1. water/tree |
| 15 | MEMC (3%--6%) | Cotton | Seed borne diseases | 0.25% Hg/Kg seed |
| | | Dahlia | Bulb diseases | |
| | | Ginger | Rhizom rot | |
| | | Gladiolus | Bulb diseases | |
| | | Paddy | Seed borne diseases | |
| | | Potato | Tuber treatment | |
| | | Sugarcane | Whip smut | |
| 16 | Metalaxyl | Sorghum | Downy mildew | 700 gm/100 kg seed |
| | | Bajra | --do-- | 670 gm/100 kg seed |
| 17 | Nickel Chloride (23-25% Elemental- Nickel) | Tea | Blister blight | 225 - 300 g / 50 l.w. |
| 18 | Streptomycin & Oxytetracycline (9:1) | Chilly | Black spot | 1.5 gm in 10 l. water |
| | | Cotton | Angular leaf spot, Black arm | 0.5 - 1.5 gm in 10 l. water |
| | | Paddy | Bacterial streak | |
| | | Apple | Powdery mildew | 2.0-4.0 kg / 750-1000 l, water |

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|-----------|---------------------------|-----------------|------------------------------|---------------------------------|
| 19 | Sulphur | Chillies, Okra, | | 2.5 kg/750-1000 l. water |
| | | Mango, Citrus, | | |
| | | Beans | | |
| | | Grapes, Cumin | | |
| | | Coriander | | 12.0-16.0 kg/ha |
| | | Tobacco | | 80 kg/ha |
| | | Rubber | | 30kg/ha |
| | | Groundnut | | Tikka leaf spot |
| 20 | Tridemorph | Ber, Mango | Powdery mildew | 3-4 ml/10 l.w/tree |
| | | Tea | | 120-150 ml/ha |
| | | Cucurbits, | | 240-300 ml in 750 l. Water |
| | | Cluster bean, | | |
| | | Peas, Betelvine | | |
| | | Wheat | | |
| 21 | Thiram | Barley | Covered smut, Stripe disease | 2 - 2.25 gm / kg seed |
| | | Cotton | Seed borne disease | |
| | | Ginger | Rhizomic rot | |
| | | Gladiolus | dry rot | |
| | | Maize | Seedling blight | |
| | | Paddy | Seed borne disease | |
| | | Rubber | Panel rot, Pink disease | |
| | | Sorghum | Grain smut, loose smut | |
| | | Sugarcane | Whip smut | |
| | | Wheat | Bunt, Flag smut, Karnal bunt | |
| 22 | Thiophanate methyl | Apple | Scab | 500 gm/ha |
| | | Wheat | Brown rust | |
| | | Cucurbits | Powdery mildew | 1,000 gm/ha |
| | | Apple | Black rot, fly speck, scab | 1.1 - 1.5 kg / 750 - 1,000 l.w. |

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|-----------|----------------------|-----------|--|---|
| 23 | Zineb | Bean | Downy mildew | 1.1 - 1.5 kg / 750 - 1,000 1.w. |
| | | Brinjal | Leaf blight | |
| | | Cherry | Leaf spot | |
| | | Citrus | Greasy spot | |
| | | Cumin | Early blight | |
| | | Cucurbits | Anthracnose, Downy mildew, Leaf spot | |
| | | Grapes | Downy mildew | |
| 24 | Ziram | Apple | Scab | 1.2 - 1.6 kg / 750 - 1,000 1.w |
| | | Bean | Anthracnose | |
| | | Grapes | Anthracnose, Downy mildew | |
| | | Potato | Early blight | |
| | | Tomato | Early blight | |
| 25 | Bitertanol | Groundnut | Tikka, rust | 250 gm/ha |
| | | Apple | Scab | 0.02% |
| | | Tea | Blister blight | 50 gm/ha |
| | | Wheat | Karnal bunt | 560 gm/ha |
| 26 | Chlorothaloni | Groundnut | Tikka leaf spot, rust | 0.66 - 0.863 kg/ha |
| | | Potato | Early & Late blight | 0.66 - 0.937 kg/ha |
| | | Apple | Scab | 0.15% |
| 27 | Dodine | Apple | Scab | 0.05% |
| 28 | Fosetyl-AI | Grapes | Downy mildew | 1120 - 1600 gm/ha |
| | | Cardamom | Azukhal & damping off | 1800 - 2400 gm/ha |
| 29 | Triadimefon | Wheat | Rust | 250 gm/ha |
| | | Pea | Rust, Powdery mildew | 0.025 gm/ha |
| | | Grapes | Powdery mildew | 0.0025 gm/ha |

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|-----------|---------------------------------|----------|--------------------------------|-----------------------------------|
| | | Coffee | Coffee rust | 0.02 gm/ha |
| 30 | Metalaxyl & Mancozeb | Grapes | Downy mildew | 0.40% |
| | | Tobacco | Damping off | 0.07% |
| | | Nursery | Leaf blight, black shank | 0.14% |
| 31 | Fenarimol | Apple | Scab | 5 gms / 100 litres of water |
| | | Chillies | Powdery mildew | |
| | | Pea | Powdery mildew | |
| 32 | Tricyclazole | Paddy | Blast | 225 - 300 gms / 100 ltrs of water |
| 33 | Myclobutanil | Apple | Scab | 0.004% |
| | | Grape | Powdery mildew | |
| 34 | Validamycin | Rice | Sheath blight | 0.0018% |
| 35 | Aureofungin | Paddy | Blast, Brown leaf spot | 0.0025% |
| | | Grapes | Downy mildew, Anthracnose | |
| | | Cumin | Blight, Powdery mildew | 0.001 % |
| | | Citrus | Guminosis | 0.5 % |
| | | Apple | Powdery mildew, White root rot | 0.002 % - 0.1 % |
| | | Potato | Early blight | 0.0025 % |
| 36 | Penconazole | Grape | Powdery mildew | 5 gm / 100 l.w |
| | | Apple | Scab | |
| | | Mango | Powdery mildew | |
| | | Pulses | Powdery mildew | |
| 37 | Propiconazole | Wheat | Karnal bunt, leaf rust | 125 gm |
| | | | Brown rust | |
| | | | Stem rust | |
| | | | Stripe rust | |
| | | Rice | Sheath blight | |
| Groundnut | Early leaf spot | | | |

| | | | | |
|-----------|---------------------|-----------|-------------------|----------------|
| | | | Late leaf spot | |
| | | Tea | Blister blight | 31.25-62.50 gm |
| 38 | Hexaconazole | Apple | Scab | 25 gm |
| | | Rice | Blast | |
| | | Grapes | Powdery mildew | |
| | | Groundnut | Tikka leaf spot | |
| | | Pea | Powdery mildew | |
| | | Mango | Powdery mildew | |
| 39 | Iprodione | Mustard | Alternaria blight | 1,000 gm |
| | | Rice | Sheath blight | 500 - 1,000 gm |
| | | Tomato | Early blight | 250 - 1,000 gm |
| 40 | Oxycarboxin | Coffee | Leaf Rust | 200 - 400 gm |

Insecticides

| Sr. No. | Herbicides | Crops | Weed Species | Dose a.i. / ha |
|----------|---|--------------------------------------|------------------------------------|---|
| I | II | III | IV | V |
| 1 | Acephate | Cotton | Bollworms | 584 gms |
| | | | Jassid | 292 gms |
| | | | Whitefly | |
| | | Safflower | Aphid | 584 gm |
| 2 | Aldicarb | Potato | Golden Nematode | 2,000 gm |
| | | Tobacco | Root-Knot Nematode | 1,000 - 4,000 gm |
| 3 | Alphacypermithrin | Cotton | Bollworms | 15 - 20 gm |
| 4 | Allethrin (used in mosquito coil & mat) | Household | Mosquito | 40 mg in 1 gm of mat |
| | Aluminium Phosphide | Stored Whole Cereals and seed grains | Rice Weevil, Rust red flour beetle | 3 gm tablet for 1 tonne of commodity or 150 gm / 200 m cube |

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| 5 | | | | |
| | Millets, Pulses | Lesser grain borer, Khapra Beetle, saw toothed gain beetle, Almond moth, Rice moth | 225 gm / 100 m cube | |
| | Dry Fruits, nuts, spices and oil seeds | | | |
| | Milked products cakes, rice-bran | Rust red flour beetle saw toothed grain beetle rice moth | 3 tables / tonnes | |
| | Flour Suji meals and crushed grain (Animal and Poultry feed) | Almond moth, Long headed flour beetles | 225 gm / 100 m cube | |
| | split pulses (Dal) and other processed foods emptygodown and sheds | mites | | |
| | | All insects and pest | 14 tables / 1,000 cube or 150 gm / 1,000 cube of 0.6 gm per burrow | |
| | | Indian gerbil | | |
| | | Lesser Bandicoot | | |
| | | House rat | | |
| | Little field mouse | | | |
| | House Mouse | | | |

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|---|------------------|--------------|-------------------------------|--|
| 6 | Barium Carbonate | Godowns | Rats. Mice & Field rodents | 10 - 20 % technical material to be mixed with bait |
| | | Residential | | |
| | | premises | | |
| | | public halls | | |
| 7 | BHC* | Paddy | Gundhi bug | 1,250 - 2,000 gm * total ban w.e.f. 1.4.97 |
| | | | Stem borer | |
| | | | Swarming caterpillar | |
| | | | Brown plant hopper | |
| | | | Hispa | |
| | | | Thrips | |
| | | | Grass hopper | |
| | | Cotton | Red cotton bug | 1,250 - 2,000 mg |
| | | | Thrips | |
| | | | Aphid | |
| | | | Leaf roller | |
| | | Jassid | | |

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|----------|--------------------------|--|----------------------------|------------------|
| | | Sugarcane | Pyrilla | |
| | | | Whitefly | |
| | | | Top shoot borer | |
| | | | Termite | 4,000 gm |
| | | Wheat | Stem borer | 1,000 gm |
| | | Maize | Leaf eating | 2,000 gm |
| | | | Caterpillar | 1,800 - 2,000 gm |
| | | | Earhead bug | |
| | | Black gram | Leaf eating Caterpillar | |
| | | Gram | Cut worm | 2,000 - 3,000 gm |
| | | Sorghum | Stem borer | 32.5 gm |
| | | | Hairy Caterpillar | |
| | | Red gram | Pod Borer | |
| | | Soybean | Aphid | |
| | | Cardamom | Thrips | |
| 8 | Bromodiolo ne | Field Crops & residential premises | All types of rats | 0.005% |
| | | Maize | stemborer, cob borer | 700 - 1,200 gm |
| | | | | |

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|----------|-----------------|--|--|----------------|
| 9 | Carbaryl | Paddy | Shoot fly | 750 gm |
| | | | Brown Plant hopper | 1,000 gm |
| | | | Case worm, Green Leaf | 750 gm |
| | | | hopper,stem borer, | 750 - 1,000 gm |
| | | | Leaf roller, earhead cutting caterpillar | 1,250 gm |
| | | Sorghum | Army worm, Aphid, Earhead midge | 1,000 gm |
| | | | Hopper, stem borer, Shoot fly | 750 - 1,000 gm |
| | | Pulses | Podborer, Leafminer, Leaf-folder | 750 - 1,500 gm |
| | | Sugarcane | Leafroller | 750 gm |
| | | Cotton | Aphid | 1,000 gm |
| | | | Bollworm, Whitefly | |
| | | | Jassid | |
| | | | Leaf roller | |
| | | | Stemweevil | |
| | | Jute | Semilooper | 1,500 gm |
| | | Oilseeds | Semilooper | 1,000 gm |
| | | | Leafminer | 500 gm |
| | | | Red hairy caterpillar | 1,250 gm |
| | | | Capsule borer | 1,000 gm |
| | | | Tobacco caterpillar | 750 gm |
| | | Vegetables | Fruit borer | 1,000 gm |
| | | | Jassid | |
| | | | Semilooper | |
| | | | Cabbage borer | 800 gm |
| | | | Thrips | 1,000 gm |
| | | | Mustard sawfly | 1,000 gm |
| | | Red pumpkin beetle | | |
| | | Fruit trees (Apples, ber, Citrus, grapevine, guava, mango) | Green scale | 0.2% |

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| | | | | |
| | | | Butterfly | |
| | | | Woolly aphid | 0.05% |
| | | | Mealy bug | 0.025% |
| | | | Bark eating caterpillar | 0.1% |
| | | | Mango hoppers | |
| | | | Ber Fruit borer | |
| | | Tobacco | Capsule borer | 1,200 gm |
| | | | Tobacco caterpillar | 600 gm |
| | | Coffee | Green bug | 0.02 % |
| | | | Hairy Caterpillar | 0.05% |
| | | Singhara | Singhara beetle | 1,000 gm |
| | | Bajra | Shoot fly | 1,500 gm |
| | | Barley | Aphid | 100 gm |
| | | | Jassid | 1,250 gm |
| | | | Cyst nematode | 1,000 gm |
| | | Maize | Stemborer | 1,000 gm |
| | | | Shoot fly | |
| | | | Thrips, cutworm | 500 - 1,000 gm |
| | | Paddy | Brown plant hopper | 750 gm |
| | | | Gall midge | |
| | | | Green leaf hopper | |
| | | | Hispa | 1,500 gm |

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|-------------------|--------------------|---|----------------------|-------------|
| 10 | Carbofuran | | Leaf roller | 750 gm |
| | | | Stem borer | |
| | | | Nematodes | 2,000 gm |
| | | Sorghum | Shoot fly | 1,000 gm |
| | | Wheat | Ear cockle nematode | 3,000 gm |
| | | | Cereal cyst nematode | 2,000 gm |
| | | Cotton | Jassid | 750 gm |
| | | | Stemweevil | 1,000 gm |
| | | | Grey weevil | |
| | | Jute | Nematodes | 1,000 gm |
| | | Oilseeds (Groundnut, Mustard) | Pod borer | 1,500 gm |
| | | | White grub | 1,000 gm |
| | | | Mustard leaf miner | |
| | | | Flea beetle | |
| | | Pulses (Pea,Soybean) | Pea shoot fly | 1,000 gm |
| | | | Pea aphid | |
| | | | Agromyzid fly | 1,000 gm |
| | | | Whitefly | 1,500 gm |
| | | | Rootknot nematode | 2,000 gm |
| | | Sugarcane | Top borer | 1,000 gm |
| | | Vegetables (Brinjal, Bhindi, Chillies, cabbage, potato, tomato, sweet pepper) | Rootknot nematode | 2,000 gm |
| | | | Reniform nematode | |
| | | | Jassid | |
| | | | Aphid | |
| | | | Thrips | |
| | | | White grub | 100 gm |
| | | | Golden Nematode | 2,625 gm |
| | | | Potato tubermoth | 1,000 gm |
| | | | Whitefly | 1,200 gm |
| | | Fruit crops (Apple, banana, citrus, peach) | Woolly aphid | 5 gm / tree |
| Rhizome weevil | 1 gm / sucker | | | |
| Nematodes | 1.5 gm / sucker | | | |
| citrus leaf miner | 1,500 gm | | | |

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|----|-----------------------------|--------------------------------|------------------------|---|
| | | | Soft green scale | 0.4 gm / tree |
| | | Tea | Cockchafer grubs | 0.3 gm / tree |
| | | Tobacco | Green peach aphid | 1,500 gm |
| | | | Rootknot nematode | 1,000 to 4,000 gm |
| | | | Stem borer | 1,500 gm |
| 11 | Cartap hydrochloride | Rice | Stemborer | 500 gm |
| | | | leaf folder | 750 - 1,000 gm |
| | | | Whorl maggot | |
| 12 | Chlorfenvinfos | Rice | Plant and leaf hoppers | 10 - 30 kg/ha pf 10% Gr. |
| | | | stem borer | |
| | | | Gall midge | |
| | | | Root weevil | |
| | | Sugarcane | Borers | |
| | | Sorghum | Shoot fly | |
| | | Banana | Root weevil | |
| | | Turmeric and Ginger | Rhizome fly | |
| | | All crops | cut worms | |
| | | | White grub | |
| | Millipede | | | |
| | Public health | Mosquito larvicide | | |
| 13 | Chlorbenzilate | Vegetables | Mites | 340 - 500 mg in 360-150 liters of water |
| | | Fruit trees, Ornamental plants | | |
| | | Barley | Cereal aphid | 375 gm |

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|----|---------------|--|-------------------------|---------------|
| 14 | Chlorpyriphos | | | |
| | | Paddy | Brown plant hopper | 0.02% |
| | | | Green Leaf hopper | 0.02 % |
| | | | Hispa | 250 gm |
| | | | stem borer | 0.02% |
| | | | whorl maggot | |
| | | | gall midge | |
| | | | leaf roller | 375 gms |
| | | Pulses (beans, gram, mung, Urd) | Pod borer | 400 - 600 gm |
| | | | aphid | 600 gm |
| | | | cutworm | 500 gm |
| | | | bihar hairy caterpillar | 300 - 500 gm |
| | | Sugarcane | Early shoot borer | 205 - 300 gms |
| | | | Pyrilla | 300 gm |
| | | | Bollworm | 250 gm |
| | | | aphid | |
| | | | whitefly | |
| | | | Jassid | |
| | | | Grey weevil | |
| | | Oilseeds (Groundnut, Mustard) | aphid | 100 - 200 gm |
| | | Vegetables (Brinjal, Cabbage, Cauliflower, muskmelon, Onion, Potato) | Shoot and fruit borer | 200 gm |
| | | | Diamond back moth | 400 gm |
| | | | Beetles | 100 gm |
| | | | Root grubs | 1,000 gms |
| | | Fruit trees (Apple, Ber, Citrus, Grape) | Aphid | 0.05 % |
| | | | Leaf hoppers | 0.03 % |
| | | | Root grubs | 2 gm / plant |

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|-----------|-------------------------|-------------------------------|-------------------------|---------------------------|
| | | Coconut | whitegrub | 1 gm / treepit |
| | | Tea | Semilooper | 150 gm |
| | | Tobacco | Leaf eating caterpillar | 300 gm |
| | | General | Locust | 200 gm |
| 15 | Coumachlor | Farm-houses | rats | 1:19 |
| | | Godowns | Mice | 1 part of coumachlor |
| | | ware-house shops | Bandicoots | +19 parts Wheat grains |
| 16 | Coumotertr alyl | | Rodents | 0.0375 % in bait |
| 17 | Cypermethrin | Cotton | Bollworm | 40 - 70 gm |
| | | | Jassid | 20 - 30 gm |
| | | | Thrips | 20 - 30 gm |
| | | Sugarcane | Early shoot borer | 60 - 70 gm |
| | | Vegetables (Bhindi & Brinjal) | Shoot & Fruit borer | 37 - 50 gm |
| | | | Jassid | |
| | | | Epilchna grub | 60 - 70 gm |
| | | Wheat | shoot fly | 50 gm |
| Sunflower | Bihar hairy caterpillar | 60 - 70 gm | | |
| 18 | Cyfluthrin | Public health | Adult mosquito | 25 mg per sq. m |
| 19 | Deltamethrin | Cotton | Bollworm | 12.5 gm |
| | | | Sucking insects | 10 gm |
| 20 | DDT | Public health | Mosquito, flies, etc. | restricted in use |
| 21 | Diazinon | Pulses | Aphid | 180 gm |
| | | | Leaf hopper | 180 gm |
| | | | Whitefly | 180 gm |
| | | Vegetables (Cauliflower) | Diamond back moth | 750 gm |
| | | Mango | Mud mite | 0.1 % |
| | | | Hoppers | 0.03 % |

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|-----------|----------------------|--|---|----------------|
| | | Tea | Aphid | 90 gm |
| | | | Scale insect | 90 gm |
| 22 | Dichlorvos | Paddy | Brown plant hopper | 375 gm |
| | | | cut worm | 500 gm |
| | | | leaf roller caterpillar | 500 gm |
| | | Wheat | Caterpillar | 500 gm |
| | | Soybean | Leaf earting caterpillar | 225 - 300 gm |
| | | Sugarcane | Pyrilla | 300 gm |
| | | Oilseeds (castor, Groundnut, Mustard, Sunflower) | Hairy caterpillar | 625 gm |
| | | | Painted bug | 500 gm |
| | | | semilooper | |
| | | Cucurbits | Cabbage looper | |
| | | Cashew | Red pumpkin beetle | |
| | | Apple | Apple borer | 0.05 % |
| | | | Gypsy moth | 0.05 % |
| 23 | D.D. Mixture | Used against nematodes | (withdrawn from the market by the principal manufacturer) | |
| 24 | Dicofol | Cotton | Mite | 500 - 1,000 gm |
| | | Sorghum | Mite | 625 gm |
| | | Jute | Red and white mite | 1,110 gm |
| | | Sugar beet | | 90 - 95 gm |
| | | Citrus | | 0.037% |
| | | Okra | | 500 gm |
| | | Chillies | | |
| | | Tea | Mite, Jassid, Thrips | 500 gm |
| | | Tapioca | | 500 gm |
| | | Groundnut | | 500 gm |
| 25 | Diflubenzuron | Cotton | Tobacco Caterpillar | 75 - 87.5 gm |
| | | | Bollworm | 75 gm |
| | | | Leaf webber | 75 - 100 gm |

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|----|------------|--|-----------------|--------------|
| 26 | Dimethoate | Bajra | Milky weed bug | 180 - 200 gm |
| | | Maize | Stem borer | 200 gm |
| | | | Shoot fly | 350 gm |
| | | | | |
| | | Paddy | Dalphacid aphid | 200 gm |
| | | Sorghum | Midge | 500 gm |
| | | Pulses | Pod borer | 375 gm |
| | | | Thrips | 200 gm |
| | | | | |
| | | Cotton | Aphid | 200 gm |
| | | | Jassid | |
| | | | Thrips | |
| | | | Grey weevil | 300 gm |
| | | | | |
| | | Oilseeds (Castor, groundnut, mustard, ragi, rape, sunflower) | Aphid | 200 gm |
| | | | Jassid | 250 gm |
| | | | Whitefly | |
| | | | Saw fly | 200 gm |
| | | | Semilooper | 350 gm |
| | | | | |
| | | Vegetables | Aphid | 700 gm |
| | | | Leaf hopper | 600 gm |
| | | | Jassid | |
| | | | Shoot borer | 200 gm |

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|-----------|--|--|------------------------|--------------------|--------|
| | | | Painted bug | 200 gm | |
| | | | | 200 gm | |
| | | (Brinjal, Bhindi, Cabbage, Cauliflower, Chillies, Onion, Potato, Snakegourd, Spongegourd, Tomato) | Thrips | | |
| | | | Whitefly | 300 gm | |
| | | | Cenerbit fruit fly | | |
| | | Fruit trees (Apple, Apricot, Arecanut, Banana, Ber, Betelvine, Citrus, Fig, Litchi, Mango, Peach, Plum, Pomegranate) | Stem borer | 0.03% | |
| | | | Woolly aphid | | |
| | | | Aphids | | |
| | | | | Scale | 700 gm |
| | | | | Psylla | 0.05% |
| | | | | Leaf hoppers | 0.03% |
| | | | | Coccid | 0.05% |
| | | | | | |
| | | Coffee | Green bug | 250 - 500 gm | |
| | | Lucerne | Leaf hopper | 200 gm | |
| | | Pepper | Pollo beetle | 750 gm | |
| | | Rose | Scale, thrips | 400 - 750 gm | |
| | | Tapioca | Scale, thrips | 300 gm | |
| | | Tea | Mite | 200 gm | |
| | | Tobacco | Green peach aphid | | |
| | | Turmaric | Lace wing bug | 375 gm | |
| 27 | E.D.C.T. (Ethylene Dichloride Tetrachloride-3:1) | Grain storages & godowns | All stored grain pests | 300 - 400 gm/cu.m. | |
| 28 | | | | | |

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|--|-------|-----------------------|----------------------|--------|
| | | | | |
| | | Rice (Paddy) | Stem borer | 210 gm |
| | | | Gall midge | |
| | | | Case worm | 525 gm |
| | | | Jassid | 175 gm |
| | | | Swarming caterpillar | 525 gm |
| | | | Leaf roller | 615 gm |
| | | | Hispa | 525 gm |
| | | | Brown plant hopper | 525 gm |
| | | | Green leaf hopper | |
| | Wheat | Aphid | 175 gm | |
| | | Termite | | |
| | | Army worm | 625 gm | |
| | Jowar | Midge | 472 gm | |
| | | Army worm | 625 gm | |
| | | Cut worm | | |
| | | Stem borer | 472 gm | |
| | | Red hairy caterpillar | | |
| | | Aphid | | |
| | | Gram caterpillar | | |

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| Endosulfan | Pulses | Gram caterpillar | 390 - 485 gm |
| | | Cut worm | |
| | | Red hairy caterpillar | |
| | | Semilooper | |
| | | Pod borer | |
| | Sugarcane | Termite | 350 gm |
| | | Thrips & whitefly | 140 - 175 gm |
| | | Pyrilla | 175 gm |
| | | Early shoot borer | 350 gm |
| | | Black bugs | 472 - 630 gm |
| | Cotton | Aphid | 525 - 700 gm |
| | | Jassid | |
| | | Whitefly | |
| | | Thrips | |
| | | Grey weevil | 700 - 875 gm |
| | | Dusky cotton bug | |
| | | Bollworm | 875 - 1,050 gm |
| | Leaf folder | | |
| | Jute | Semilooper | 437 gm |
| | | Bihar hairy caterpillar | |
| | Maize | Stem borer | 472 gm |
| | | Army worm | |
| | Vegetables (Chilly, Brinjal, Bhindi, Tomato, Cabbage) | Thrips | 312-625 gm |
| | | Tobacco Caterpillar | 525 - 656 gm |
| | | Heliothis | |
| | Tobacco | Shoot and fruit borer | 420 - 525 gm |
| | | Green Caterpillar | 525 - 656 gm |
| Black hairy Caterpillar | | | |
| Grass hopper | | | |
| Ground beetles | | | |
| Tobacco Caterpillar | | | |
| Cardamom | Thrips | 4.37 gm | |
| | Hairy Caterpillar | 656 gm | |
| | Aphid | | |

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|-----------|---------------|-----------|--------------------------|--------------|
| | | Tea | Caterpillars | 281 - 350 gm |
| | | | Heliothis | |
| | | | Mealy bug | |
| | | | Scale insects | |
| | | | Thrips | |
| | | Coffee | Green bug | 650 gm |
| | | | Thrips | 437 gm |
| | | Cashew | Tea mosquito | 0.05% |
| | | | Thrips | |
| | | Mango | Hoppers | 0.20% |
| | | | Gall maker and fruit fly | |
| | | Cocoa | Heliothis | 0.05% |
| | | Groundnut | Aphid | 350 - 437 gm |
| | | | Thrips | |
| | | | Hairy Caterpillar | 420 - 525 gm |
| | | Grapevine | Thrips | 350 gm |
| | | | Flea beetle | 425 gm |
| | | Citrus | Lemon Butterfly | 0.07% |
| | | Mustard | Aphid | 175 gm |
| | | | Gall midge | 263 gm |
| | | Safflower | Aphid | 390-485 gm |
| | | Til | Sphinx moth | 585 - 680 gm |
| | | | Leaf & pod caterpillar | 390 - 485 gm |
| 29 | Ethion | Tea | Thrips | 250 gm |
| | | | Mites | |
| | | | Aphid | |
| | | | Caterpillar | |

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| 30 | Ethylene Dibromide | Green Storages, Milled products spices & dry fruits in stores | Stored grain pests | 16 - 24 gm/cu.m |
| 31 | Ethofenprox | Rice | Stem borer Leaf rollers, GLF, Gall midge, BPH Whorl maggot, WBPH | 50 - 75 gm |
| | | Paddy | Blue leaf hopper | 500 gm |

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| 32 | Fenitrothion | Rauy | | |
| | | | Gall midge | 750 gm |
| | | | Whorl maggot | 500 gm |
| | | | Leaf folder | |
| | | | Plant hopper | |
| | | | Stem borer | 500 - 750 gm |
| | | | Earhead bug | |
| | | Cotton | Aphid | 400 gm |
| | | | Bollworms | 750 gm |
| | | | Grey weevil | 400 gm |
| | | | Jassids | |
| | | | Whitefly | 500 gm |
| | | | Leaf roller | 750 gm |
| | | Oilseeds (Groundnut, Castor Mustard, Toria) | Red hairy caterpillar | 750 gm |
| | | | Semilooper | 550 gm |
| | | | Leaf eating caterpillar | |
| | | | Capsule borer | 500 gm |
| | | | Leaf miner | |
| | | | Leaf webber | |
| | | Vegetables (Brinjal, Chillies, Potato, Tomato, Onion, Cucurbits) | Thrips | 500 gm |
| | | | Fruit borer | |
| | | | Jassids | |
| | | | Pyrilla | 500 gm |
| Sugarcane, Coffee | Green bug | 500 gm | | |
| | Hairy caterpillar | 1,500 gm | | |
| | Mealy bug | 1,250 gm | | |
| | | | Brown plant hopper | |

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| 33 | Fenthion | Paddy | Blue leaf hopper | 500 gm |
| | | | Gall midge | |
| | | | Leaf hoppers | |
| | | | Plant hoppers | |
| | | | Leaf roller | |
| | | | Stem borer | |
| | | | Whorl maggot | |
| | | Barley | Aphid | 400 gm |
| | | Wheat | Cut worm | 750 gm |
| | | | | |