



Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation & Farmers Welfare
Directorate of Plant Protection, Quarantine & Storage
Central Insecticide Board & Registration Committee N.H.-IV,
Faridabad-121 001 (Haryana)

MAJOR USES OF PESTICIDES
(Registered under the Insecticides Act, 1968)

(UPTO - 30/06/2020)

(Based on certificate issued)

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FUNGICIDES

1. Fungicides single product formulations use (Page No. – 02 to 32).
2. Fungicides combination uses (Page No. – 33 to 46)

1. Fungicides single product formulations use

| Crop | Common name of the disease | Dosage per ha | | | Waiting period from last application to harvest (in days) |
|----------------------------------|-------------------------------|-----------------|----------------------|---|---|
| | | a. i. (g) | Formulation (g/ml)/% | Dilution in water (L) | |
| Azoxystrobin 23% SC | | | | | |
| Grapes | Downy mildew, Powdery mildew | 125 gm | 500 ml | 500-750 | 7 |
| Chilli | Fruit rot, Powdery mildew | 125 gm | 500 ml | 500-750 | 5 |
| Mango | Anthraxnose, Powdery mildew | 0.025% | 0.1% | 100 ml/ 100 Ltr. (depending upon size of tree) | 5 |
| Tomato | Early & Late blight | 125 gm | 500 ml | 500 | 3 |
| Potato | Late Blight | 0.025% (125) gm | 500 ml | 500 | 12 |
| Cucumber | Downey mildew, Powdery mildew | 125 gm | 500 | 500 | 5 |
| Cumin | Blight & Powdery mildew | 115 gm | 500 | 500 | 28 |
| Pomegranate | Leaf & Fruit spot | 0.023% | 0.1% | 500 L/ha (or depending on size of tree) | 5 |
| Aureofungin 46.15% w/v SP | | | | | |
| Paddy(Rice) | Blast, Brown leaf spot | - | 0.005% | 500 | 30 |
| Grapes | Downey mildew | - | 0.005% | 750 | 15 |

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|--------------------------|---------------------------------|---------|---------|-----------------------------|----|
| | Anthracnose | - | 0.05% | 750 | |
| Citrus | Gummosis | - | 1.0% | 750 (Soil drench) | 30 |
| Apple | Powdery mildew | - | 0.005% | 10 lit./tree | 30 |
| | White root rot | - | 0.2% | 5-10 injection 2 gm/tree | |
| Potato | Early blight | - | 0.005% | 750 | 30 |
| Bitertanol 25% WP | | | | | |
| Groundnut | Rust | 250 gm | 1000 gm | 500 | 30 |
| | Tikka | 250 gm | 1000 gm | 500 | 30 |
| Wheat | Karnal bunt | 560 gm | 2240 gm | 750 | - |
| Captan 50% WG | | | | | |
| Chillies | Fruit rot (Anthracnose) | 750 gm | 1500 gm | 500 | 5 |
| Potato | Early blight & Late blight | 750 gm | 1500 gm | 500 | 21 |
| Captan 50% WP | | | | | |
| Apple | Scab | 1250 gm | 2.5 kg | 750-1000 | - |
| Cherry | Brown rot | 1250 gm | 2.5 kg | 750-1000 | - |
| Grapes | Downey mildew | 1250 gm | 2.5 kg | 750-1000 | - |
| Potato | Early blight | 1250 gm | 2.5 kg | 750-1000 | - |
| | Late blight | 1250 gm | 2.5 kg | 750-1000 | - |
| Tomato | Early blight | 1250 gm | 2.5 kg | 750-1000 | - |
| | Late blight | 1250 gm | 2.5 kg | 750-1000 | - |
| Captan 75% WP | | | | | |
| Apple* | Scab, Fly speck & Bitter rot | 0.12%** | 1667 gm | 15-20** | 8 |
| Cherry | Brown rot | 0.12%** | 1667 gm | 15-20** | NA |

| | | | | | |
|--|------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|----|
| Grape | Downy mildew | 1250 gm | 1667 gm | 1000 | 8 |
| Cabbage/ Cauliflower, Tomato, Brinjal, Chillies, Beans, Ornamental | Damping off (Nursery) | 0.25% | 2500 gm | 1000 Soil drench in the nursery | NA |
| Potato | Early blight | 1250 gm | 1667 gm | 1000 | 8 |
| | Late blight | 1250 gm | 1667 gm | 1000 | 8 |
| Tomato | Early blight | 1250 gm | 1667 gm | 1000 | 6 |
| | Late blight | 1250 gm | 1667 gm | 1000 | 6 |
| Chillies | Early blight | 1250 gm | 1667 gm | 1000 | 8 |
| | Fruit rot | 1500 gm | 2000 gm | 1000 | 8 |
| Citrus | Brown rot | 0.25** | 2500 gm | 15-20** | NA |
| | Scab | 0.12** | 1667 gm | 15-20** | NA |
| Rose | Black spot | 1250 gm | 1667 gm | 1000 | NA |
| Paddy(Rice) | Leaf spot | 750 gm | 1000 gm | 750 | NA |
| Captan 75% WS | | | | | |
| Chillies (soil drench) | Damping off (soil drench) | 15-25 gm per kg seed | 20-30 gm per kg seed | 1 | |
| Cabbage | Damping off (soil drench) | 15-25 gm per kg seed | 20-30 gm per kg seed | 1 | |
| Tomato | Damping off (soil drench) | 15-25 gm per kg seed | 20-30 gm per kg seed | 1 | |
| Tobacco | Damping off (soil drench) | 15-25 gm per kg seed | 20-30 gm per kg seed | 1 | |
| Carbendazim 5% GR | | | | | |
| Paddy (Rice) | Brown leaf spot | 0.62 kg | 12.5 kg | - | |
| Carbendazim 46.27% SC | | | | | |
| Grape | Powdery mildew | 0.046 % or 46 g /100 lit. water | 0.1% or 100 ml/100 lit. Water | As required | 30 |
| Mango | Powdery mildew | 0.046% or 46 g/100 lit. water | 0.1% or 100 ml/100 lit. Water | As required | 15 |
| Carbendazim 50% WP | | | | | |

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|---------------|-----------------|----------------|---------------|------------------|------------------------|
| Paddy (Rice) | Blast | 125-250 gm | 250-500gm | 750 | (wet slurry treatment) |
| | Sheath blight | 1gm/ kg seed | 2 gm/ kg seed | 1Lit./10 kg seed | (wet slurry treatment) |
| | Aerial phase | 125-250 gm | 250-500gm | 750 | (wet slurry treatment) |
| Wheat | Loose smut | 1gm/kg seed | 2 gm/kg seed | 1Lit./10 kg seed | (wet slurry treatment) |
| Barley | Loose smut | 1 gm/kg seed | 2 gm/kg seed | 1Lit./10 kg seed | (wet slurry treatment) |
| Tapioca | Set rot | 0.5gm | 1 | 1 | - |
| Cotton | Leaf spot | 125 | 250 | 750 | - |
| Jute | Seedling blight | 1 gm / kg seed | 2 gm/kg seed | 1Lit./10 kg seed | (wet slurry treatment) |
| Groundnut | Tikka leaf spot | 112.5 gm | 225 gm | 750 | - |
| Sugar beet | Leaf spot | 100 gm | 200 gm | 400 | - |
| | Powdery mildew | 100 gm | 200 gm | 400 | - |
| Peas | Powdery mildew | 125 gm | 250 gm | 600 | - |
| Cluster Beans | Powdery mildew | 175 gm | 350 gm | 750 | - |
| Cucurbits | Powdery mildew | 150 gm | 300 gm | 600 | - |
| | Anthracoise | 150 gm | 300 gm | 600 | - |
| Brinjal | Leaf spot | 150 gm | 300 gm | 600 | - |
| | Fruit rot | 150 gm | 300 gm | 600 | - |
| Apples | Scab | 1.25 gm | 2.5 gm | 10Lit./tree | - |
| Grapes | Anthracoise | 150 gm | 300 gm | 600 | - |
| Walnut | Downy leaf spot | 1.5 gm | 3 gm | 10 Lit./tree | - |
| Rose | Powdery mildew | 0.5 gm | 1 gm | 2 | - |
| Ber | Powdery mildew | 5 gm | 10 gm | 10 Lit./tree | - |

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|------------------------------|------------------------|-------------------------|-------------------|-----------------------------------|---------------------------------------|
| Chillies | Damping Off | 1 gm/kg seed | 2 gm/kg seed | 1 Lit./tree | (wet slurry treatment) |
| Moong | Powdery mildew | 250 | 500 | 750 | - |
| | Leaf spot & Web blight | 125-250 | 250-500 | 750 | - |
| Cow Pea | Leaf Spot | 150 | 300 | 600 | - |
| | Collar rot | 150 | 300 | 600 | - |
| | Anthracnose | 150 | 300 | 600 | - |
| | Powdery Mildew | 150 | 300 | 600 | - |
| Tobaco | Frog eye spot | 112.5 | 225 | 750 | - |
| | Anthracnose | 112.5 | 225 | 750 | - |
| Carboxin 75% WP | | | | | |
| Wheat | Flag smut | 1.5 -1.875 gm/ kg seed | 2-2.5 gm/ kg seed | N/A | Only one time seed treatment required |
| | Loose smut | 1.5 - 1.875 gm/ kg seed | 2-2.5gm/kg seed | N/A | Only one time seed treatment required |
| | Bunt | 1.5 - 1.875 gm/ kg seed | 2-2.5 gm/ kg seed | N/A | Only one time seed treatment required |
| Barley | Loose smut | 1.5 - 1.875 gm/ kg seed | 2-2.5 gm/ kg seed | N/A | Only one time seed treatment required |
| | Covered smut | 1.5 - 1.875 gm/ kg seed | 2-2.5 gm/ kg seed | N/A | required |
| Cotton | Angular Leaf spot | 1.5 - 1.875 gm/ kg seed | 2-2.5 gm/ kg seed | N/A | Only one time seed treatment |
| Carpropamid 27.8% SC | | | | | |
| Rice (Paddy) | Blast | 0.03% | 0.1% | 300-500 depending upon crop stage | |
| Chlorothalonil 75% WP | | | | | |
| Groundnut | Tikka leaf spot | 0.66 - 0.863 | 0.88-1.150 | 600-800 | 14 |
| | Rust | 0.66 - 0.863 | 0.88-1.150 | 600-800 | 14 |

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|---------------------------------|--------------------------------|---------------------------------|------------------------------|--|----|
| Potato | Early & Late blight | 0.66 - 0.937 | 0.875-1.250 | 600-800 | 14 |
| Apple | Scab | 0.150% (150gm/10 Ltr. water) | 0.200% (200gm/100 water) | 10 Ltr. water per tree | 45 |
| Grapes | Anthraco nose and Downy mildew | 0.15%(150 gm/100 Ltr. water) | 0.2%(200gm/ 100L water) | 100 | 60 |
| Chilli | Fruit rot | 600 | 800 | 750 | 10 |
| Cauliflower | Leaf spot | 1.5 g a.i./Ltr. | 2.0 g/Ltr. | 500 | 3 |
| Watermelon | Downy mildew and Leaf spot | 1.5 g a.i./Ltr. | 2.0 g/Ltr. | 500 | 3 |
| Copper Oxchloride 50% WG | | | | | |
| Grape | Downy mildew | 0.12% or 120 g/100Ltr. water | 0.24% or 240g/100 Ltr. water | As required depending upon PP equipment used | 30 |
| Mango | Anthraco nose | 0.12% or 120g/100 Ltr. water | 0.24% or 240g/100 Ltr. water | As required depending upon PP equipment used | 10 |
| Copper oxchloride 50% WP | | | | | |
| Citrus | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| | Canker | 1.25 | 2.5 | 750-1000 | - |
| Chillies | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| | Fruit rot | 1.25 | 2.5 | 750-1000 | - |
| Betel | Foot rot | 1.25 | 2.5 | 750-1000 | - |
| | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| Banana | Fruit rot | 1.25 | 2.5 | 750-1000 | - |
| | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| Coffee | Black rot | 1.87-3.75 | 3.75-5.5 | 750-1000 | - |
| | Rust | 1.87-3.75 | 3.75-5.5 | 750-1000 | - |
| Potato | Early blight | 1.25 | 2.5 | 750-1000 | - |
| | Late blight | 1.25 | 2.5 | 750-1000 | - |
| Tobacco | Downy mildew | 1.25 | 2.5 | 750-1000 | - |
| | Black Sank | 1.25 | 2.5 | 750-1000 | - |

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| | Frog eye leaf | 1.25 | 2.5 | 750-1000 | - |
| Tomato | Early blight | 1.25 | 2.5 | 750-1000 | - |
| | Late blight | 1.25 | 2.5 | 750-1000 | - |
| | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| Grapes | Downy mildew | 1.25 | 2.5 | 750-1000 | - |
| Coconut | Bud rot | 1.25 | 2.5 | 750-1000 | - |
| Cardamom | Clump rot | 1.87-3.75 | 3.75-5.5 | 750-1000 | - |
| | Leaf spot | 1.25 | 2.5 | 750-1000 | - |
| Copper Hydroxide 53.8% DF | | | | | |
| Potato | Late blight | 525 | 1500 | 500 | 22 |
| Grape | Downy mildew | 525 | 1500 | 1000 | 12 |
| Chilli | Anthraco nose | 350 | 1000 | 500 | 5 |
| Rice (Paddy) | False smut, Bacterial leaf blight | 525 | 1500 | 500 | 10 |
| Copper Hydroxide 77% WP | | | | | |
| Rice (Paddy) | False smut | 1000 gm | 2000 gm | 750 | |
| Cymoxanil 50% WP | | | | | |
| Grapes | Downey mildew | 0.12% | 0.24% or 240 gm/100 ltr. water | As required depending upon the crop stage and equipment used | 15 |
| Cyazofamid 34.5% SC | | | | | |
| Potato | Late blight | 80 g | 200 ml | 500 | 27 |
| Tomato | Late blight | 80 g | 200 ml | 500 | 3-5 |
| Grapes | Downy mildew | 80 g | 200 ml | 500 | 7 |
| Difenoconazole 3% WS | | | | | |
| Wheat | Loose smut | 6.0 | 200 | This is used as seed dresser | This is used as seed dresser |
| Difenoconazole 25% EC | | | | | |
| Apple | Scab | 0.004% or 4 g/100 ltr. water | 0.015% or 15ml/100 ltr. water | As required depending upon the size of the plant and plant protection | 14 |

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| | | | | equipment used | |
| Paddy (Rice) | Sheath blight | 0.0125% or 12.5g/100 ltr. water | 0.05% or 50 ml/100 ltr. water | 500 | 25 |
| Chilli | Die-back, Fruit rot | 0.0125% or 12.5g/100 ltr. water | 0.05% or 50 ml/100 ltr. water | 500-1000 (as per the size of plant) | 15 |
| Cumin | Blight, Powdery mildew | 0.0125% or 12.5 g/100 ltr.. water | 0.05% or 50 ml/100 ltr.. water. | 500 | 15 |
| Onion | Purple blotch | 0.025% or 25 g/100 ltr. water | 0.1% or 100 ml/100 ltr.. water. | 500 | 20 |
| Pomegranate | Fruit rot | 0.025% or 25g/100ltr. water | 0.1% or 100 ml/100 ltr. water. | 500 | 7 |
| Grape | Anthraco nose, Powdery mildew | 0.0075% or 7.5 g/100 ltr. water | 0.03% or 30ml/100 ltr. of water | 500 | 10 |
| Groundnut | Leaf spot | 0.025% or 25g/100 ltr. water | 0.1% or 100 ml/100 ltr..water. | As required depending upon the size of the plant and plant protection equipment used | 34 |
| Dimethomorph 50% WP | | | | | |
| Grapes | Downy mildew | 500 gm | 1000 gm | 750 L | 25 |
| Potato | Late blight | 500 gm | 1000 gm | 750 L | 16 |
| Dinocap 48% EC | | | | | |
| Mango | Powdery mildew | 2.4 gm | 5gm | 10 | - |
| Rose | Powdery mildew | 0.96 gm | 2ml | 10 lit. water | - |

| Dithianon 75% WP | | | | | |
|--------------------------------|---|----------------|----------------|--|--------------------|
| Apple | Scab | 1350 gm | 1800 gms | 2400 L | 14-21 |
| Dodine 40% SC | | | | | |
| Apple | Alternaria leaf blight/Blotch | 0.05 | 0.075 | 10 ltr. / tree | 21 |
| | Premature leaf fall | 0.05 | 0.075 | 10 ltr./ tree | 21 |
| Dodine 65% WP | | | | | |
| Apple | Scab | 0.05% | 0.075% | 10 | 21 |
| Ediphenphos 50% EC | | | | | |
| Paddy (Rice) | Blast | 250-300 | 500-600 | 750-1000 | 21 |
| | Brown leaf spot | 250-300 | 500-600 | 750-1000 | 21 |
| Flusilazole 40% EC | | | | | |
| Rice (Paddy) | Sheath blight | 120g a.i./ha | 300 ml/ha | 500 | 24 |
| Chilli | Powdery mildew | 40-60 g a.i/ha | 100-150 ml/ha | 500 | 5 |
| Fluxapyroxad 333 g/l FS | | | | | |
| Sorghum | Anthraco nose | 0.33 | 1.0 ml/kg seed | Sufficient to coat the seeds uniformly | N.A(Seed Dresser) |
| Soybean | Rhizoctonia root rot, Cotyledonary spot | 0.33 | 1.0 ml/kg seed | Sufficient to coat the seeds uniformly | N.A (Seed Dresser) |
| Cotton | Seedling Disease | 0.49 | 1.5 ml/kg seed | Sufficient to coat the seeds uniformly | N.A (Seed Dresser) |
| Fosetyl-AL 80% WP | | | | | |
| Grapes | Downey mildew | 1120- 1600 gm | 1400- 2000 gm | 750-1000 | 30 |
| Cardamom | Azukhal Disease and Damping off | 1800-2400 gm | 2250-3000 gm | 750-1000 | 90 |
| Hexaconazole 2% SC | | | | | |
| Chillies | Powdery mildew & Fruit rot | 60 gm | 3.0 L | 500 | 7 |

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|----------------------------|----------------------------|----------------------------|-------------------------------|--|----|
| Potato | Early blight & Late blight | 60 gm | 3.0 L | 500 | 21 |
| Grapes | Powdery mildew | 30-60 gm | 1.5-3.0 L | 500-750 depending upon crop canopy | 14 |
| Hexaconazole 5% EC | | | | | |
| Apple | Scab | 0.0025% | 0.05% (50ml/100lt) | As required | 30 |
| Rice (Paddy) | Blast, Sheath blight | 50gm | 1000 ml | 500 | 40 |
| Groundnut | Tikka leaf spot | 75gm | 1500 ml | 500 | 30 |
| Mango | Powdery mildew | 0.005% (5g/100 lit) | 0.1% (100ml/100 lt) | As required | 30 |
| Soybean | Rust | 0.005% (5g/100 lit) | 0.1% or (100ml/100 lit) | As required | 30 |
| Tea | Blister blight | 10 gm | 200 ml | 70-90 with power sprayers. 175-200 with knap Sack sprayer | 7 |
| Grapes | Powdery mildew | 25-50 gm | 500-1000 ml | 500 | 14 |
| Hexaconazole 5% SC | | | | | |
| Mango | Powdery mildew | 0.01% (10 g/100 lt. water) | 0.2% or (200 ml/100 lt.water) | As required depending on size of tree and plant protection equipment used. | 27 |
| Rice (Paddy) | Sheath blight | 0.01% (10 g/100lt. water) | 0.2% or (200 ml/100 lt.water) | As required depending on size of tree and plant protection equipment used. | 40 |
| Grapes | Powdery mildew | 25-50 gm | 500-1000 | 500 | 14 |
| Hexaconazole 75% WG | | | | | |
| Paddy (Rice) | Sheath blight & Sheath rot | 50 | 66.7 | 500 | 30 |
| Groundnut | Tikka leaf spot, rust | 50 | 66.7 | 500 | 31 |
| Chilli | Leaf spot, anthracnose, | 50 | 66.7 | 500 | 7 |

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|------------------------------|-------------------------|--|---|--|----|
| | Powdery mildew | | | | |
| Iprodione 50% WP | | | | | |
| Rapeseed/ Mustard | Alternaria blight | 1.125Kg -1.5 kg | 2.25kg-3kg | 750-1000 | 50 |
| Rice (Paddy) | Sheath blight | 1.125kg | 2.25kg | 750 | 35 |
| Tomato | Early blight | 0.75kg | 1.5kg | 500 | 15 |
| Grapes | Anthraco | 0.5-1.0 kg | 1.0–2.0kg | 500 | 20 |
| Isoprothiolane 40% EC | | | | | |
| Rice (Paddy) | Blast | 300 | 750 | 500-1000 | 60 |
| Kasugamycin 3% SL | | | | | |
| Rice (Paddy) | Blast | 30-50 gm 0.030% 0.050% | 1000-1500 ml | 750-1000 | 30 |
| Tomato | Early blight | 30-37.5 0.03- 0.0375% | 1000-1250 ml | 500-600 | 03 |
| Kitazin 48% EC | | | | | |
| Rice (Paddy) | Blast, Sheath blight | 0.10% or 100 gram in 100 ltr. of water | 0.20% or 200 ml in 200 lit.of water | As required depending upon crop stage and plant protection equipment used | 15 |
| Chilly | Fruit rot /die- back | 0.10% or 100 gram in 100lit. of water | 0.20% or 200 ml in 200 lit. of water | As required depending upon crop stage and plant protection equipment used | 3 |
| Tomato | Early blight | 0.10% or 100 gram in 100lit. of water | 0.20% or 200 ml in 200 lt. of water | As required depending upon crop stage and plant protection equipment used | 5 |
| Potato | Early blight | 0.10% or 100 gram in 100 lit. | 0.20% or 200 ml in 200 lit. of water | As required depending upon crop stage and plant | 48 |

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|---------------------------------|---|--|-------------------------------------|---|--------------------------|
| | | of water | | protection equipment used | |
| Onion | Purple blotch | 0.10% or 100 gram in 100lit. of water | 0.20%or 200 ml in 200 lt. of water | As required depending upon crop stage and plant protection equipment used | 63 |
| Pomegranate | Anthraco nose | 0.10% or 100 gram in 100lit. of water | 0.20% or 200 ml in 200 lt. of water | As required depending upon crop stage and plant protection equipment used | 10 |
| Grape | Anthraco nose | 0.10% or 100 gram in 100 lit. of water | 0.20% or 200 ml in 200 lit.of water | As required depending upon crop stage and plant protection equipment used | 15 |
| Kresoxim-methyl 44.3% SC | | | | | |
| Paddy (Rice) | Blast, Sheath blight | 250gm | 500 ml | 500 | 30 |
| Grapes | Powdery mildew, Downey mildew | 300-350 gm | 600-700ml | 500 | 7 |
| Chillies | Powdery mildew, Fruit rot , die back, twig blight | 250 | 500 | 500 | 25 |
| Soybean | Rust | 250 | 500 | 500 | 25 |
| Potato | Early blight & late blight | 250 | 500 | 500 | 25 |
| Cotton | Leaf spot, Grey mildew | 250 | 500 | 500 | 25 |
| Wheat | Rust, Leaf blight | 250 | 500 | 500 | 25 |
| Maize | Turcicum leaf blight, Rust | 250 | 500 | 500 | 25 |
| Lime Sulphur 22% SC | | | | | |
| Apple | Scale, Powdery | 0.22% | The liquid is used at 1% in | | 2% pre & 1% post blossom |

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| | mildew | | conventional sprayers. | | |
| Cherry | Leaf spot | 0.44-1.10/ha | 2-5 lit/hectare | | 3 applications after petal fall , 2 weeks later & after harvest |
| Grapes | Powdery mildew | 0.44-1.10/ha | 2-5 lit/hectare | | February followed by 2 dusting in summer |
| Pear | Black spot | 0.44-1.10/ha | 2-5 lit/hectare | | At whit bud, Petal fall |
| Plum | Black spot | 0.44-1.10/ha | 2-5 lit/hectare | | Delayed dormant spray |
| Rose | Powdery mildew | 0.44-1.10/ha | 2-5 lit/hectare | | Delayed dormant spray |
| Bean | Rust | 0.22% | The liquid is used at 1% in conventional sprayers. | | 2% pre & 1% post blossom |
| Peach | Powdery mildew | 0.44-1.10/ha | 2-5 lit/hectare | | Only one application before the buds swell, 3 pre harvest application |
| Mancozeb 35% SC | | | | | |
| Tomato | Early blight & Late blight | 0.175% or 175 gm/100 Lt. water | 0.5% or 500 gm/100 lt. water | 500 Lt. Water or as required depending upon crop stage and equipment used | 10 |
| Potato | Early blight & Late blight | 0.175% or 175 gm/100 Ltr. water | 0.5% or 500 gm/100 lt. water | 500 Lt Water or as required depending upon crop stage and equipment used | 35 |
| Mancozeb 75% WG | | | | | |
| Tomato | Early blight | 750 gm | 1000 gm | 500 Ltr. | 5-6 |
| Potato | Late blight | 750gm | 1000gm | 500 Ltr. | 3-5 |

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|------------------------|--|----------------------------|----------------------|--------------------|----|
| Apple | Scab, Pre-mature leaf fall, Alternaria spot/blight, sooty blotch | 18.75-22.5/tree | 25-30/tree | 10 L/tree | 40 |
| Mancozeb 75% WP | | | | | |
| Wheat | Brown& black rust, Blight | 1.125-1.5 kg | 1.5-2kg | 750 Ltr.. | - |
| Maize | Leaf blight, Downy mildew | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |
| Paddy (Rice) | Blast | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |
| Jowar | Leaf spot | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |
| Potato | Late blight, Early blight | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |
| Tomato | Late blight, Buck eye rot, Leaf spot | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |
| Chilies | Damping off | 2.25 g | 3 g (soil drench) | 1000 Ltr. | - |
| | Fruit rot, Ripe rot, Leaf spot | 1.125-1.5 kg | 1.5-2 kg | 750 Ltr. | - |
| Cauliflower | Collar rot | 2.25 gm | 3gm | 1000 Ltr. | - |
| | Leaf spot | 1.125-1.5 kg | 1.5-2 kg | 750 Ltr. | - |
| Groundnut | Tikka disease & rust | 1.125-1.5 kg | 1.5-2 kg | 750 Ltr. | - |
| | Collar rot, Leaf spot | 18.75 to 22.50/ 10 kg seed | 25 to 30/ 10 kg seed | 0.1 (water slurry) | - |
| Grapes | Angular leaf spot, Downy mildew, Anthracnose | 1.125-1.5 kg | 1.5-2 kg | 750 Ltr. | - |
| Guava | Fruit rot | 15 g/tree | 20 g/tree | 10 Ltr. | - |
| Banana | Cigar end rot, Tip rot, Sigatoka leaf spot | 1.125-1.5 kg | 1.5-2kg | 750 Ltr. | - |

| | | | | | |
|-------------------------------|---------------------------------|----------------------------------|---------------------|----------------------|--------------------------------------|
| Apple | Scab & sooty blotch | 22.5 g /tree | 30 gm/tree | 10 Ltr. | - |
| Cumin | Blight | 1.125-1.5 kg | 1.5-2 kg | 500 Ltr. | - |
| Mandipropamid 23.4% SC | | | | | |
| Grapes | Downy mildew | 0.2 ml/Ltr. | 0.8 ml/Ltr. | 500-1000 | 5 |
| Potato | Late blight | 0.2 ml/Ltr. | 0.8 ml/Ltr. | 500-750 | 40 |
| Tomato | Late blight | 0.02% or 0.2 ml/Ltr. | 0.08% or 0.8ml/Ltr. | 500 | 5 |
| Metalaxyl-M 31.8% ES | | | | | |
| Maize | Downey mildew | 0.76 g/kg seed | 2.4 ml/kg seed | | This is used as seed dresser |
| Chilli | Damping Off | 0.64 g/kg seed | 2.0 ml/kg seed | | This is used as seed dresser |
| Tomato | Damping Off | 0.64 g/kg seed | 2.0 ml/kg seed | | This is used as seed dresser |
| Pearl millet | Downey mildew | 0.64 g/kg seed | 2.0 ml/kg seed | | This is used as seed dresser |
| Sorghum | Downey mildew | 0.64 g/kg seed | 2.0 ml/kg seed | | This is used as seed dresser |
| Sunflower | Downey mildew | 0.64 g/kg seed | 2.0 ml/kg seed | | This is used as seed dresser |
| Mustard | Downey mildew and White rust | 1.11 | 3.5ml/kg seed | | This is used as seed dresser |
| Metalaxyl 35% WS | | | | | |
| Maize | Sorghum Downy mildew, Sugarcane | Slurry seed treatment with 240g/ | 700g/100 Kg seed | 0.75-1.0/100 Kg seed | 3½-4 months Depending on the variety |

| | | | | | |
|-------------------------------|---|---|----------------------|----------------------------|--|
| | downy mildew, Phillippine Downy mildew, Brown stripe downy mildew | 100 kg seed | | | |
| Bajra | Downy mildew | Slurry seed treatment with 200g/100 Kg seed | 600g/100 Kg seed | 0.75- 1.0/100kg seed | 3-3½ months Depending on the variety |
| Sorghum | Downy mildew | Slurry seed treatment with 200g/100 Kg seed | 600g/100 Kg seed | 0.75- 1.0/100kg seed | 3½-4months Depending on the variety |
| Sunflower | Downy mildew. | Slurry seed treatment with 200g/100 Kg seed | 600g/100 Kg seed | 0.75- 1.0/100kg seed | 3½-4months Depending on the variety |
| Mustard | White rust | Slurry seed treatment with 200g/100 Kg seed | 600gm/100 Kg seed | 0.75- 1.0/100kg seed | 3½-4months Depending on the variety |
| Metiram 70% WG | | | | | |
| Tomato | Alternaria blight | 1750gm | 2500gm | 500-700 Lt. | 6 |
| Groundnut | Tikka | 1400gm | 2000gm | 500-700 Lt. | 16 |
| Potato | Late blight, Early Blight | 1400 gm | 2000 gm | 500-750 Lt | 21 |
| Grape | Downey mildew | 1400 gm | 2000 gm | 500-750 Lt | 21 |
| Metrafenone 500 g/l SC | | | | | |
| Grape | Powdery mildew | 125 | 250 | 750 | 22 |

| | | | | | |
|---------------------------------------|-------------------------------------|---|------------------------|-----------------------------------|---------|
| Mango | Powdery mildew | 200 | 0.2ml/l | 1000 | 35 |
| Apple | Powdery mildew | 187.5 | 0.15ml/l | 2500 | 42 |
| Myclobutanil 10% WP | | | | | |
| Apple | Scab | 0.004% | 0.04% | 10 lit/ tree | 21 |
| Grape | Powdery mildew | 0.004% | 0.04% | 500 lit/ha | 15 |
| Chilies | Powdery mildew, Leaf spot, Die-back | 0.004% | 0.04% | 500 lit/ha | 03 |
| Oxathiaprolin 10.1% OD | | | | | |
| Potato | Late blight | 20 | 200 | 500 | 22 days |
| Grapes | Downey mildew | 40 | 400 | 1000 | 5 days |
| Penconazole 10% EC | | | | | |
| Grapes | Powdery mildew | 0.005% or 5 gm/100 Ltr. water | 50ml/100 Ltr. water | Depending upon the requirement | 30 |
| Apple | Scab | 0.005% or 5 gm /100 Ltr. water | 50ml/100 Ltr. water | 10 Ltr. Water per tree | 30 |
| Mango | Powdery mildew | 0.005% or 5 gm/100 Ltr. water | 50ml/100 Ltr. water | 10 Ltr. Water per tree | 30 |
| Pulses (Black gram /Green gram) | Powdery mildew | 0.005% or 5 gm/100 Ltr. water | 50ml/100 Ltr. water | 500 Ltr./ha | 30 |
| Penflufen 22.43% FS | | | | | |

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|------------------------------------|---|--------------|------------|----------|--|
| Potato | Black Scurf | 0.02 | 0.083 | 83 | 800 kg seed tubers of potato are dipped in the solutions of fungicide for 10 minutes. Tubers after treatment are dried in shade and then sown. |
| Pencycuron 22.9% SC | | | | | |
| Rice (Paddy) | Sheath blight | 150-187.5 gm | 600-750 ml | 500 | 69 |
| Potato tuber | Black scurf | 0.0625-0.125 | 0.25-0.50 | - | 78 |
| Picoxystrobin 22.52% w/w SC | | | | | |
| Rice (Paddy) | Rice blast | 150 | 600 | 500 | 12 |
| Grape | Downey mildew, Powdery mildew | 100 | 400 | 750-1000 | 7 |
| Soybean | Rust(<i>Phakopsora pachyrhizi</i>) Leaf spot (<i>Cercospora kikuchii</i> & <i>Alternaria alternata</i>) | 100 | 400 | 500 | 25 |
| Cumin | Cumin blight (<i>Alternaria burnsii</i>) | 100 | 400 | 500 | 20 |
| Propiconazole 25% EC | | | | | |
| Wheat | Karnal bunt (<i>Neovossia indica</i>) | 125gm | 500gm | 750 | 30 |
| | Leaf rust / Brown Rust (<i>Puccinia recondite F.sp. tritici</i>) | 125gm | 500gm | 750 | 30 |
| | Stemrust (<i>B.graminisf.sp . tritici</i>) | 125gm | 500gm | 750 | 30 |

| | | | | | |
|------------------------|--|-------------------------------|----------------------------------|---|----|
| | Stripe rust /Yellow Rust (<i>P. striiformis</i>) | 125gm | 500gm | 750 | 30 |
| Rice (Paddy) | Sheath blight (<i>Rhizoctoniasolani f.sesakii</i>) | 125gm | 500gm | 750 | 30 |
| Groundnut | Earlyleaf spot (<i>Cercospora arachidicola</i>) | 125gm | 500gm | 750 | 15 |
| | Lateleaf spot (<i>C. personata</i>) | 125gm | 500gm | 750 | 15 |
| | Rust (<i>Puccinia arachidis</i>) | 125gm | 500gm | 750 | 15 |
| Tea | Blister blight | 31.25-62.50gm | 125-250gm | 175-250 | 7 |
| Soyabean | Rust(<i>Phakopsoa pachyrhizi</i>) | 125gm | 500gm | 500 | 26 |
| Cotton | Alternaria leaf spot | 125gm | 500gm | 500 | 23 |
| Propineb 70% WP | | | | | |
| Apple | Scab | 0.21% or 210 g/100 Ltr. water | 0.30% or 300 gram/100 Ltr. water | As required depending upon size of the tree and plant protection equipment used | 30 |
| Pomegranate | Leaf and Fruit spots | 0.21% or 210 g/100 Ltr. water | 0.30% or 300 gram/100 Ltr. water | As required depending upon size of the tree and plant protection equipment used | 10 |
| Potato | Early & Late blight | 0.21% or 210g/100 Ltr. water | 0.30% or 300 gram/100 Ltr. water | As required depending upon crop stage and plant protection equipment used | 15 |

| | | | | | |
|----------------------------------|--|-------------------------------|----------------------------------|---|-----|
| Chilli | Die-back | 0.21% or 210 g/100 Ltr. water | 0.5% or 500 gram/100 Ltr. water | As required depending upon crop stage and plant protection equipment used | 10 |
| Tomato | Buck eye rot | 0.21% or 210 g/100 Ltr. water | 0.30% or 300 gram/100 Ltr. water | As required depending upon crop stage and plant protection equipment used | 10 |
| Grapes | Downy mildew | 0.21% or 210 g/100 Ltr. water | 0.30% or 300 gram/100 Ltr. water | As required depending upon crop stage and plant protection equipment used | 40 |
| Rice (Paddy) | Brown leaf spot and Narrow leaf spot | 1050 to 1400 g | 1500 to 2000 g | Use 500 Litre spray volume/hectare | - |
| Cotton | Alternaria leaf spot | 875-1050 | 1250-1500 | 500 Ltr./ha | 27 |
| Pyraclostrobin 20% WG | | | | | |
| Tomato | Early blight | 75-100 gm | 375-500gm | 500 | 3 |
| Soybean | Frog eye leaf spot (Cercospora) & Alternaria leaf spot | 75-100 | 375-500 | 500 | 26 |
| Cotton | Alternaria Leaf blight | 100 | 500 | 500 | 14 |
| Groundnut | Tikka disease | 100 | 500 | 500 | 29 |
| Corn | Turcicum leaf blight | 100 | 500 | 500 | 40 |
| Banana | Sigatoka leaf spot | 150 | 750 | 500 | 103 |
| Pyraclostrobin 100 g/l CS | | | | | |
| Paddy (Rice) | Blast Disease | 100 | 1000 | 500 | 18 |

| (Streptomycin Sulphate 90% + Tetracylin Hydrochloride 10%) SP | | | | | |
|--|---|---|--|---|---|
| Apple | Fire blight | - | Spray Streptocycline 25 to 50 ppm solution at 20 to 30% bloom. It is advisable to spray trees every 3 to 4 days during blossom time. | - | - |
| Beans | Halo blight | - | Spray Streptocycline 100 to 150 ppm solution thrice at interval of 7 days. For prevention apply first spray 10 days after emergence of leaf. | - | - |
| Citrus | Citrus canker | - | Spray Streptocycline 50 to 100 ppm solution repeatedly at an interval of 15 to 20 days after the appearance of new growth. Cover the foliage and young fruits fully. | - | - |
| Potato | Blackleg And soft rot, bacterial brown wilt or ring or The bangle Disease of potato | - | Seeds treatment: Prior to planting soak potato seed tubers in streptocycline 40 to 100 ppm | - | - |

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|---------|---------------------|---|---|---|---|
| | | | <p>solution for half an hour.</p> <p>Spray: Two to three sprays of 40 to 50 ppm Solution at an interval of 20 days. First spray 30 days after planting.</p> | | |
| Tobacco | Wildfire | - | <p>Spray Streptocycline 40 to 100 ppm solution at two leaf stage of the plant. Repeated application at an interval of 7 days is necessary till the plants get established in the field.</p> | - | - |
| Tomato | Bacterial Leaf spot | - | <p>Spray seedlings with streptocycline 40 to 100 ppm solution in seed beds and fields after the appearance of first true leaves two sprays of streptocycline, one before transplanting and another after are effective for controlling the disease.</p> | - | - |

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|--------------|-----------------------|---|--|---|---|
| Paddy (Rice) | Bacterial Leaf blight | - | <p>Seeds treatment: Prepare streptomycin 40 ppm solution and soak seeds for 12 hours at room temperature before sowing.</p> <p>Seedling treatment: Dip the seedling in streptomycin 40 to 100 ppm solution. The antibiotic will be absorbed through the injured roots and penetrate the vascular bundles inside the seedlings.</p> <p>Spray: Spray streptomycin 100 to 150 ppm solution at early root stage. Second spray, if necessary before grain set.</p> | - | - |
| Tea | Blister Blight | - | It is fungal Disease and can be controlled by spraying 40gms with 350 to 420 gms copper | - | - |

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|-----------------------------|-----------------|-------------------------------|---|-------------|----|
| | | | oxychloride (50% Wettable powder) in 67 liters of water per hectare with air blast sprayer, covering two rows on either side. | | |
| Sulphur 40% SC | | | | | |
| Beans | Powdery mildew | 2.25-3.00 Kg | 5.65-7.50 Kg | 750-1000 | - |
| Cumin | Powdery mildew | 1.40 g | 3.50 Kg | 1000 | - |
| Grapes | Powdery mildew | 1.22 Kg | 3.00 Kg | 1000 | - |
| Groundnut | Tikka leaf spot | 2.25-3.00 Kg | 5.65-7.50 Kg | 750-1000 | - |
| Mango | Powdery mildew | 1.50-2.00 Kg | 3.75-5.00 Kg | 1000 | - |
| Opium | Powdery mildew | 1.16 Kg | 3.00 Kg | 1000 | - |
| Peas | Powdery mildew | 2.25-3.00 Kg | 5.65-7.50 Kg | 750-1000 | - |
| Roses | Powdery mildew | 1.50-2.00 Kg | 3.75-5.00 Kg | 1000 | - |
| Sulphur 52% Flowable | | | | | |
| Pea | Powdery mildew | 1.04 Kg | 2.00 Ltr. | 400 | - |
| Chilli | Powdery mildew | 1.04 Kg | 2.00 Ltr. | 400 | - |
| Sulphur 55.16% SC | | | | | |
| Grapes | Powdery mildew | 0.165% or 165 g/10 Ltr. water | 0.30% or 300 ml/100 Ltr. water | As required | 10 |
| Mango | Powdery mildew | 0.165% or 165g/10 Ltr. water | 0.30% or 300 ml/100 Ltr. water | As required | 10 |
| Sulphur 80% WP | | | | | |
| Apple | Powdery mildew | 2-4 kg | 2.5-5.0 Kg | 750-1000 | - |
| Grapes | Powdery mildew | 2-4 kg | 2.5-5.0 Kg | 750-1000 | - |
| Groundnut | Tikka leaf spot | 2-4 kg | 2.5-5.0 Kg | 750-1000 | - |

| | | | | | |
|---------------------------|-----------------|-------------------|---------------|----------------|----|
| Cowpea, Moong/Urid | Powdery mildew | 2.5 kg | 3.13 Kg | 750-1000 | - |
| Pea | Rust | 2.5 kg | 3.13 Kg | 750-1000 | - |
| Sorghum | Grain smut | 2.4-3.2 g/kg seed | 3-4g/Kg seed | 1Lt/10 kg seed | - |
| Chillies & Okra | Powdery mildew | 2.5 kg | 3.13 Kg | 750-1000 | - |
| Mango | Powdery mildew | 2.5 kg | 3.13 Kg | 750-1000 | - |
| Citrus | Powdery mildew | 2.5 kg | 3.13 Kg | 750-1000 | - |
| Sulphur 80% WDG | | | | | |
| Grapes | Powdery mildew | 1.50-2.00 kg | 1.875-2.50 Kg | 750-1000 | - |
| Cowpea, Guar, Pea | Powdery mildew | 1.50-2.00 kg | 1.875-2.50 Kg | 750-1000 | - |
| Cumin | Powdery mildew | 1.50-2.00 kg | 1.875-2.50 Kg | 750-1000 | - |
| Apple | Scab | 1.50-2.00 kg | 1.875-2.50 Kg | 750-1000 | - |
| Mango | Powdery mildew | 1.50-2.00 kg | 1.875-2.50 Kg | 750-1000 | - |
| Wheat | Powdery mildew | 2000 | 2500 | 500 | 24 |
| Sulphur 85% DP | | | | | |
| Grape | Powdery mildew | 12.75-17 kg | 15-20 kg | - | - |
| Groundnut | Tikka leaf spot | 12.75-17 kg | 15-20 kg | - | - |
| Beans | Powdery mildew | 12.75-17 kg | 15-20 kg | - | - |
| Cowpea, moong, Urd | Rust | 12.75-17 kg | 15-20 kg | - | - |
| Pea | Rust | 12.75-17kg | 15-20 kg | - | - |
| | Powdery mildew | 12.75-17 kg | 15-20 kg | - | - |
| Rubber | Powdery mildew | 31.86 kg | 37.5 kg | - | - |
| Cumin & Coriander | Powdery mildew | 12.75-17 kg | 15-20 kg | - | - |
| Tobacco | Powdery mildew | 85 kg | 100 kg | - | - |
| Tebuconazole 2% DS | | | | | |

| | | | | | |
|---------------------------------|--------------------------------------|--------------------------------|----------------------------|-----|-----------------|
| Wheat | Loose smut, Flag smut | 0.2 kg/10 kg seed | 10 Lt/10 kg seed | | |
| Groundnut | Collar rot, Root rot, Stem rot | 0.2 to 0.25 kg/10kg seed | 10 to 12.5Lt/10 kg seed | | |
| Tebuconazole 5.36% FS | | | | | |
| Wheat | Loose smut | 0.2 | 3.33/10 kg of seed | - | - |
| Tebuconazole 5.4% w/w FS | | | | | |
| Groundnut | Collar rot, Stem rot, Wilt | 0.24 g/10 Kg of seed | | - | Seed dresser |
| Chickpea | Root rot, Wilt | 0.24 g/10 Kg of seed | 4.0 ml/10 Kg of seed | - | Seed dresser |
| Wheat | Loose smut & flag smut | 0.18 g/10 Kg of seed | 3.0 ml/10 Kg of seed | | Seed dresser |
| Tebuconazole 25.9% EC | | | | | |
| Chilli | Fruit rot, Powdery mildew | 0.125- 0.1875 kg | 0.500-0.750 lit | 500 | 5 |
| Groundnut | Tikka & rust | 0.125- 0.1875 kg | 0.500-0.750 lit | 500 | 49 |
| Rice (Paddy) | Blast, Sheath blight | 0.1875 kg | 0.750 lit | 500 | 10 |
| Onion | Purple blotch | 0.1563- 0.1875 | 0.625-0.750 | 500 | 21 |
| Soybean | Anthracnose (pod blight) | 0.1563 | 0.625 | 500 | 14 |
| Black gram | Leaf spot, Anthracnose | 187.5 | 750 | 500 | 17 |
| Tebuconazole 25% WG | | | | | |
| Chilli | Powdery mildew, fruit rot | 0.125-0.1875 | 0.500-0.750 | 500 | 5 |
| Groundnut | Tikka leaf spot, rust | 0.125-0.1875 | 0.500-0.750 | 500 | 22 |

| | | | | | |
|---|--|------------------------------|--------------------------|---------------------------------------|------------------------|
| Rice (Paddy) | Blast | 0.1875 | 750 | 500 | 10 |
| Wheat | Yellow rust | 0.1875 | 0.750 | 500 | 41 |
| Onion | Purple blotch | 0.1875 | 0.1875 | 500 | 10 |
| Cumin | Alternaria blight & Powdery mildew | 0.1875 | 0.750 | 500 | 28 |
| Tebuconazole 38.39% w/w SC | | | | | |
| Wheat | Leaf blight | 258 | 600 | 375-500 | 5 |
| Cabbage | Alternaria leaf spot | 258 | 600 | 375-500 | 5 |
| Tetraconazole 3.8% w/w EW | | | | | |
| Grape | powdery mildew | 25-30 | 625-750 | 1000 | 30 |
| Mango | powdery mildew | 50 | 1250 | 1000 | 24 |
| Watermelon | powdery mildew | 38 | 1000 | 500 | 12 |
| Tetraconazole 11.6% w/w (12.5% w/v) SL | | | | | |
| Cotton | Root rot (<i>Rhizoctonia solani</i>) | 15 | 120 | Sufficient to coat the seed uniformly | NA (Seed dresser) |
| Thifluzamide 24% SC | | | | | |
| Rice (Paddy) | Sheath blight, (<i>Rhizoctonia solani</i>) | 90gm | 375 gm | 500 | 28 |
| Tomato | Early blight | 120 | 500 | 500 | 7 |
| Potato | Black Scurf | 0.6g a.i./10 kg potato tuber | 2.5ml/10 kg potato tuber | - | Used as seed treatment |
| Thiophanate Methyl 70% WP | | | | | |
| Papaya | Powdery mildew | 500gm | 715gm | 750-1000 | 4-8 |

| | | | | | |
|----------------------------------|-------------------------------------|-------------------|------------------|----------|--------------|
| Apple | Scab | 500gm | 715gm | 750-1000 | 3 |
| Tomato | Ring rot | 500gm | 715gm | 750-1000 | 7 |
| Bottle gourd | Anthraco nose | 1000gm | 1430gm | 750-1000 | 1 |
| Grapes | Powdery mildew, | 500 | 715 | 750-1000 | 7 |
| | Anthraco nose, | 500 | 715 | 750-1000 | |
| | Rust | 500 | 715 | 750-1000 | |
| Thiophanate methyl 70% WG | | | | | |
| Bottle gourd | Anthraco nose | 750-1000 | 1070-1430 | 750-1000 | 1 |
| Thiram 40% FS | | | | | |
| Maize | Seedling blight | 9.6gm/10 kg seeds | 24ml/10 kg seeds | 100 ml | Seed dresser |
| Thiram 75% WS | | | | | |
| Groundnut | Collar rot | 37.5gm | 50gm | 1 | 7-10 |
| Wheat | Flag smut | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| | Karnal bunt | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Barley | Leaf stripe | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Maize | Seedling blight | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Sorghum | Loose smut | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| | Seedling blight | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Potato | Scab | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Rice (Paddy) & cotton | Seed born disease | 18.8-22.5 gm | 25-30gm | 1 | 7-10 |
| Triadimefon 25% WP | | | | | |
| Wheat | Bunt of Wheat | 0.025% | 0.500 kg | 750 | 25 |
| | Powdery mildew | 65-135 gm | 0.260-0.520 | 750 | 25 |
| | Brown rust, Yellow rust, Black rust | 250 | 1.0 | 750 | 25 |
| Pea | Rust, Powdery mildew | 0.025% | 0.100% | 750 | 25 |

| | | | | | |
|----------------------------|----------------|-------------|------------|-------------|---|
| Grapes | Powdery mildew | 0.0025% | 0.010% | 750 | 25 |
| Tricyclazole 75% WP | | | | | |
| Paddy (Rice) | Blast | 225-300 gm | 300-400 gm | 500 | 30 |
| Validamycin 3% L | | | | | |
| Rice (Paddy) | Sheath Blight | 60 gm | 2000 gm | 750 | There should be no residues on grains and straw of paddy 14 days before the harvest . |
| Zineb 75% WP | | | | | |
| Jowar | Red leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Leaf blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Paddy (Rice) | Blast | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Wheat | Rust, blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Maize | Leaf blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Ragi (Bajra) | Blast | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Tobacco | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Onion | Downy mildew | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |

| | | | | | |
|---------------------|-----------------|--------------|-----------|-------------|----|
| | Blight | 1.125-1.5 KG | 1.5-2KG | 750-1000 Lt | |
| Potato | Early blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Late blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Tomato | Early blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Late blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Grey leaf mould | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Chillies | Fruit rot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Brinjal | Blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Cucurbits | Downy mildew | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Anthrachnose | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Cauliflower | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Cumin | Early blight | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Apple | Scab | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| | Black rot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Citrus | Greasy spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Cherries | Leaf spot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Grapes | Downy mildew | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Guava | Fruit rot | 1.125-1.5KG | 1.5-2KG | 750-1000 Lt | |
| Ziram 80% WP | | | | | |
| Grape | Downy mildew | 1.2-1.6 kg | 1.5-2.0kg | 750-1000 | -- |
| | Anthrachnose | 1.2-1.6 kg | 1.5-2.0kg | 750-1000 | -- |

| | | | | | |
|--------|--------------|----------------|-----------|----------|----|
| Apple | scab | 1.2- 1.6 kg | 1.5-2.0kg | 750-1000 | 21 |
| Potato | Early blight | 1.2- 1.6 kg | 1.5-2.0kg | 750-1000 | 3 |
| Tomato | Early blight | 1.2- 1.6 kg | 1.5-2.0kg | 750-1000 | 3 |

2. Fungicides combination uses

| Crop | Common name of the disease | Dosage/ha (a.i.) | Dosage/ha (Formulation) | Dilution | Waiting Period |
|---|--|----------------------|----------------------------|----------|----------------|
| Azoxystrobin 4.8% w/w + Chlorothalonil 40% w/w SC | | | | | |
| Watermelon | Leaf spot, downy mildew and powdery mildew | 1.344 (0.144+1.2) | 3.0 | 500 | 5 |
| Cucumber | Leaf spot, downy mildew and powdery mildew | 1.344 (0.144+1.2) | 3.0 | 500 | 3 |
| Cauliflower | Leaf spot, downy mildew | 1.344 (0.144+1.2) | 3.0 | 500 | 3 |
| Azoxystrobin 18.2% w/w + Cyproconazole 7.3% w/w SC | | | | | |
| Wheat | Rust, Powdery mildew | 0.26 | 1 | 500 | 50 |
| Maize | Downy mildew, Turcicum leaf blight, Rust | 0.26 | 1 | 500 | 52 |
| Ametoctradin 27% + Dimethomorph 20.27% w/w SC | | | | | |
| Grape | Downey mildew | 420-525 | 800-1000 ml | 750 | 34 |
| Cucumber | Downey mildew | 420-525 | 800-1000 ml | 500 | 07 |
| Potato | Late Blight | 420-525 | 800-1000 ml | 500 | 32 |
| Tomato | Late Blight | 420-525 | 800-1000 ml | 500 | 03 |
| Azoxystrobin 18.2% + Cyproconazole 7.3% w/w SC | | | | | |
| Wheat | Rust, Powdery mildew | 0.26 | 1 | 500 | 50 |
| Maize | Downy mildew, Turcicum leaf blight, Rust | 0.26 | 1 | 500 | 52 |
| Azoxystrobin 18.2% + Difenoconazole 11.4% w/w SC | | | | | |
| Chilli | Anthraco nose & Powdery Mildew | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 5 |
| Tomato | Early blight & Late blight | 0.03% or 0.3 g/l | 0.1% or 1 ml / | 500 | 5 |

| | | | | | |
|---|--|------------------|-------------------------------|--|-----|
| | | | Litre water | | |
| Paddy (Rice) | Blast & sheath blight | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 31 |
| Maize | Blight & Downey Mildew | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 26 |
| Wheat | Rust & Powdery mildew | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 35 |
| Cotton | Leaf spot and Grey mildew | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 12 |
| Turmeric | Leaf blotch, leaf spot and Rhizome rot | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 60 |
| Onion | Purple blotch, Stemphylium blight and Downy mildew | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 500 | 7 |
| Sugarcane | Red rot, Smut and Rust | 0.03% or 0.3 g/l | 0.1% or 1 ml / Litre water | 400 | 265 |
| Azoxystrobin 8.3% + Mancozeb 66.7% WG | | | | | |
| Grape | Powdery mildew Leaf spot, Anthracnose | 124.5+1000 | 1500 | 500-750(in water) depending on crop canopy | 21 |
| Chilli | Powdery mildew, Downy mildew, Anthracnose | 124.5+1000 | 1500 | 500(in water) | 7 |
| Azoxystrobin 7.1% + Propiconazole 11.9% w/w SE | | | | | |
| Rice | Sheath Blight | 37.5+62.5 | 500 | 500 | 43 |
| Azoxystrobin 11% + Tebuconazole 18.3% w/w SC | | | | | |
| Chilli | Fruit rot, Powdery mildew, Die-back | 72+120 | 600 | 500-750 | 5 |
| Rice (Paddy) | Sheath Blight | 82.5+137.25 | 750 | 800 | - |
| Onion | Purple blotch | 82.5+137.25 | 750 | 800 | 7 |

| | | | | | |
|---|--|---------------|----------|----------|----|
| Apple | Scab, powdery mildew & premature leaf fall | 0.11+0.183 | 1.0 | 8 – 12 | 10 |
| Wheat | Yellow Rust | 82.5+137.25 | 750 | 500 | - |
| Tomato | Early blight | 82.5+137.25 | 750 | 500 | 7 |
| Potato | Early blight, Late blight | 82.5+137.25 | 750 | 500 | - |
| Grape | Downy mildew, Powdery mildew | 82.5+137.25 | 750 | 500 | 10 |
| Azoxystrobin 12.5% + Tebuconazole 12.5% SC | | | | | |
| Chilli | Powdery mildew & fruit rot | 0.1+0.1 (0.2) | 0.800 | 500 | 5 |
| Benalaxyl 8% + Mancozeb 65% WP | | | | | |
| Cucumber | Downy mildew | 200+1625 | 2500 | 500 | 5 |
| Boscalid 25.2% + Pyraclostrobin 12.8% WG | | | | | |
| Grape | Downey Mildew & Powdery mildew | 190-228 | 500-600 | 750-1000 | 34 |
| Chilli | Powdery mildew | 228 | 600 | 500 | 10 |
| Apple | Powdery mildew | 285 | 750 | 2500 | 41 |
| Onion | Purple blotch, stemphyllum blight | 190 | 500 | 500 | 24 |
| Tomato | Early blight | 190 | 500 | 500 | 10 |
| Captan 70% + Hexaconazole 5% WP | | | | | |
| Chillies | Fruit rot (Anthracnose) | 375-750 | 500-1000 | 500 | 5 |
| Potato | Early blight & Late blight | 375-750 | 500-1000 | 500 | 21 |
| Black gram | Powdery mildew, | 562.5 | 750 | 500 | 20 |

| | | | | | |
|---|--|--------------------------------|-------------|--|----------------|
| | Rust | | | | |
| Carbendazim 1.92% + Mancozeb 10.08% GR | | | | | |
| Paddy (Rice) | Blast, sheath blight | 240+1260 | 12.5 | Broadcasting | 46 |
| Carbendazim 12%+ Mancozeb 63% WP | | | | | |
| Groundnut | Leaf spot | 375gm | 500gm | 500lt. | 72 |
| Paddy (Rice) | Blast | 563gm | 750gm | 750lt. | 57 |
| Potato | Early blight , late blight , black scruff | 1312.5 | 1750 | 500 | 47 |
| Tea | Blister blight , grey blight , red rust , die-back , black rot | 937.5 | 1250 | 250-500 | 7 |
| Grape | Downey mildew, powdery mildew, anthracnose | 0.11% | 0.15% | As required depending on crop canopy | 7 |
| Mango | Powdery mildew and anthracnose | 0.11% | 0.15% | As required depending on crop canopy | 7 |
| Chilli | Leaf Spot, Fruit rot, and Powdery mildew | 563 | 750 | 500 | 3 |
| Maize | Downy mildew and Leaf blight | 120+630 | 1000 | 500 | 37 |
| Apple | Fruit scab & Powdery mildew | 0.19% | 0.25 | As required depending upon crop canopy | 20 |
| Groundnut (Seed Treatment) | Tikka leaf spot, Collar rot and dry root rot | 1.88 | 2.5 | - | Seed treatment |
| Carbendazim 25%+ Mancozeb 50% WS | | | | | |
| Groundnut | Collar rot, Dry root rot, Tikka leaf spot | (7.5+15.0) to (8.75+17.5) (for | 30-35/10 kg | 0.1 | |

| | | | | | |
|--|---|--|------------------|----------|----------------|
| | | 10 kg seed) | seed | | |
| Potato | Late blight, Black scurf | (1.5 + 3.0) to (1.75 + 3.5) (for 10 kg seed) | 6 – 7/10 kg seed | 2 | |
| Paddy (Rice) | Brown Spot, Blast , Sheath Blight | (7.5+15) to (8.75+17.5) | 30-35 | 0.1 | |
| Wheat | Loose smut | (7.5+15) to (8.75+17.5) | 30-35 | 0.1 | |
| Carbendazim 25 % + Flusilazole 12.5% SE | | | | | |
| Paddy (Rice) | Sheath blight | 300-360 | 800-960 | 500 | 54 |
| Groundnut | Stem rot, Early leaf spot, Late leaf spot | 240-300 | 640-800 | 500 | 72 |
| Chilli | Powdery mildew, Fruit rot, Die-Back | 375 | 1000 | 375-500 | 05 |
| Apple | Alternaria blotch and Premature leaf fall | 0.03% | 0.08% | 650-1000 | 09 |
| Carboxin 17.5% + Thiram 17.5% FF | | | | | |
| Wheat | Loose smut | 8.75 to 10.5 gm | 25 to 30 gm | 100 ml | Seed treatment |
| Carboxin 37.5% + Thiram 37.5% WS | | | | | |
| Wheat | Loose smut and other seed borne and early soil borne diseases | 2.25gm/Kg seed | 3.0 gm/Kg seed | - | About 3 months |
| Soybean | Collar rot, Charcoal rot and other seedling diseases | 2.25gm/Kg seed | 3.0 gm/Kg seed | - | About 3 months |
| Cotton | Root rot, Bacterial bight | 2.5gm/Kg seed | 3.5gm/Kg seed | - | About 3 months |
| Groundnut | Collar rot, Seed rot, Root rot, Stem rot | 2.25gm/Kg seed | 3.0gm/Kg seed | - | About 3 months |
| Pigeon pea | Seed rot, Root rot, Stem rot, Fusarium wilt | 3gm/Kg seed | 4.0gm/Kg seed | - | About 3 months |
| Potato | Black scurf | 1.87gm/Kg seed | 2.5gm/Kg seed | - | About 3 months |

| Chlorothalonil 40.0% w/w + Difenconazole 4.0 w/w SC | | | | | |
|--|---|--|--|------------------------------------|---------|
| Tomato | Early blight, Late blight | 440 [^] (400+40) | 1000 | 500 | 7 |
| Chilli | Powdery mildew, Anthracnose, Fruit rot | 440 [^] (400+40) | 1000 | 500 | 7 |
| ^ Calculated as 550 (500=50) gm a.i./ha on w/v basis | | | | | |
| Copper Sulphate 47.15% + Mancozeb 30% WDG | | | | | |
| Grape | Anthracnose, Powdery Mildew & Downy mildew | 2357.5+1500 | 6000 | 750-1000 Depending on crop canopy | 10 |
| Cymoxanil 8%+ Mancozeb 64% WP | | | | | |
| Grapes | Downy mildew | 1080-1440 gm | 1500–2000 gm | 500-1000 | 10 days |
| Potato | Late blight | 1080 gm | 1500 gm | 500-750 | 10 days |
| Tomato | Late blight | 1080 gm | 1500 gm | 500-750 | 10days |
| Cucumber | Downy mildew | 1080 gm | 1500 gm | 500-600 | 10days |
| Citrus | Gemmosis (Foot Rot) (<i>Phytophthora palmivora</i>) | 180 g/100L of water + 18 g/l of water of linseed oil | 250 g/100L of water + 25 g/l of water of linseed oil | 10 l/tree;50 ml (linseed oil) tree | 82 days |
| Dimethomorph 12% + Pyraclostrobin 6.7% WG | | | | | |
| Grape | Downy mildew | 280.5 | 1500 | 750-1000 | 34 |
| Cucumber | Downy mildew | 280.5 | 1500 | 500 | 10 |
| Potato | Late blight | 183.75 | 1250 | 500 | 26 |
| Famoxadone 16.6%+ Cymoxanil 22.1% SC | | | | | |
| Grapes | Downy mildew | 210 | 500 | 500-750 | 27 |
| Potato | Late blight | 210 | 500 | 500 | 40 |
| Tomato | Early and Late blight | 210 | 500 | 500 | 3 |
| Gherkin | Downy mildew | 210 | 500 | 500-750 | 3 |
| Fenamidone 4.44% + Fosetyl-AL 66.7% WDG | | | | | |
| Grape | Downy mildew | 88.8+ 1334 - 111.0+ 1667.5 gm | 2000-2500 gm | 500-750 lt. | 90 days |
| Fenamidone 10% + Mancozeb 50% WG | | | | | |
| Potato | Late blight | 125+625- 150+750gm | 1250-1500 gm | 500 lt. | 30 |
| Grapes | Downy mildew | 150+750 gm | 1500 gm | 500-750 | 85 |

| | | | | | |
|--|--|------------------------------------|----------------------------------|----------|----|
| Gherkin | Downy mildew | 150+750 gm | 1500 gm | 375-500 | 5 |
| Flubendiamide 3.5% + Hexaconazole 5% WG | | | | | |
| Paddy (Rice) | Sheath blight, Sheath rot | Flubendiamide-35 & Hexaconazole-50 | 1000 | 500 | 30 |
| Fluopicolide 4.44% + Fosetyl aluminium 66.67% WG | | | | | |
| Grape | Downy mildew | (99.9 + 1500) to (111+ 1667) | 2.25-2.5 | 750 ltr. | 32 |
| Fluopyram 17.7% w/w + Tebuconazole 17.7% w/w SC | | | | | |
| Grape | Powdery mildew and Anthraconase | Fluopyram112.5 +Tebconazole112.5 | 562.5 | 750-1000 | 10 |
| Chilli | Powdery mildew and Anthracnose | Fluopyram100 +Tebconazole 100 | 500 | 500 | 5 |
| Rice (Paddy) | False smut, Dirty panicle | Fluopyram110 +Tebconazole 110 | 550 g/ha | 500 | 22 |
| Fluxapyroxad 75 g/l + Difenoconazole 50 g/l SC | | | | | |
| Grape | Powdery mildew | 100 | 800 | 1000 | 32 |
| Apple | Scab and Powdery mildew | 125 | 1000 | 2500 | 33 |
| Fluxapyroxad 62.5 g/l + Epoxiconazole 62.5 g/L EC | | | | | |
| Rice (Paddy) | Sheath blight | 78.12-93.75 | 625-750 | 500 | 33 |
| Fluxapyroxad 250 g/l + Pyraclostrobin 250 g/l SC | | | | | |
| Grape | Powdery Mildew | 100 | 200 | 1000 | 10 |
| Apple | Premature leaf fall & Alternaria leaf spot | 187.5 | 15 ml formulation/ 100 lit water | 2500 | 29 |
| Mango | Powdery mildew | 75-100 | 150-200 | 1000 | 38 |
| Cucumber | Powdery mildew | 100-125 | 200-250 | 500 | 10 |

| | | | | | |
|---|---|-----------|------------------------------------|---------------|----|
| Chilli | Powdery mildew, Anthracnose | 100-125 | 200-250 | 500 | 7 |
| Tomato | Early blight, Septoria leaf spot | 100-125 | 200-250 | 500 | 10 |
| Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC | | | | | |
| Cotton | Alternaria leaf | 150 | 300 | 500 | 27 |
| Groundnut | Tikka | 150 | 300 | 500 | 20 |
| Soybean | Frog eye leaf spot | 150 | 300 | 500 | 45 |
| Fluxapyroxad 250 g/l + Pyraclostrobin 250 g/l SC | | | | | |
| Grapes | Powdery mildew | 100 | 200 | 1000 | 10 |
| Hexaconazole 4% + Carbendazim 16% SC | | | | | |
| Paddy (Rice) | Sheath blight, and Blast | (30+120) | 750 | 400 - 500 | 40 |
| Hexaconazole 5.00% + Validamycin 2.50% SC | | | | | |
| Paddy (Rice) | Blast & Sheath blight | 50+25 | 1000 | 500 | 22 |
| Hexaconazole 4% + Zineb 68% WP | | | | | |
| Paddy (Rice) | Sheath Blight, Brown Spot, Blast , Grain discoloration | 720-900 | 1000-1250 | 500 | 34 |
| Tea | Black Rot , Grey blight, Blister Blight | 25+425 gm | 625 | 250-500 | 7 |
| Apple | Scab, Premature leaf fall, Alternaria leaf spot/blight, Powdery mildew, Core rot | 200+3400 | 0.25% or 25 gm/10 lit. water | 10 litre/tree | 30 |
| Imidacloprid 18.5% + Hexaconazole 1.5% FS | | | | | |

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|--|---|---|----------|--------------|--|
| Groundnut | Collar rot, Stem rot, Tikka leaf spot, Rust | 37:3 | 200 | NA | This is used as seed dresser |
| Wheat | Smut, Rust, Termites, Aphids | 37:3 | 200 | NA | This is used as seed dresser. |
| Iprodione 25% + Carbendazim 25% WP | | | | | |
| Rice (Paddy) | Sheath blight, Blast | 250 gm | 500 gm | 500 lt. | 30 |
| Kasugamycin 5% + copper oxychloride 45% WP | | | | | |
| Grapes | Anthraco-nose, Bacterial leaf spot | 375 | 750 | 400 – 1000 | 37 days |
| Rice (Paddy) | Leaf blast, Neck blast | 350 | 700 | 375 | 26 days |
| Kresoxim-methyl 40% + Hexaconazole 8% WG | | | | | |
| Rice (Paddy) | Sheath blight, Leaf blast, Neck blast | Kresoxim-methyl- 200 & Hexaconazole - 40 | 500 | 500 | 22 |
| Kresoxim-methyl 15% + Chlorothalonil 56% WG | | | | | |
| Chilli | Powdery mildew, Leaf spot, Anthraco-nose | Kresoxim-methyl- 150 & Chlorothalonil- 560 | 1000 | 500 | 5 |
| Potato | Early blight and Late blight | Kresoxim-methyl- 150 & Chlorothalonil- 560 | 1000 | 500 | 23 |
| Mancozeb 63% + Carbendazim 12% WS | | | | | |
| Groundnut | Tikka leaf spot, collar rot, dry root rot | 1.88 | 2.5 | ---- | ---- |
| Mancozeb 40% + Azoxystrobin 7% OS | | | | | |
| Tomato | Early Blight & light blight | 600g+105g | 1500 g | 500 L | 5 |
| Metalaxyl M 4% + Mancozeb 64% WP | | | | | |
| Grapes | Downy mildew | 0.17% | 0.25% | 500-1000 lt. | 8 |
| Potato | Late blight | 0.17% or | 0.25% or | 500-1000 lt. | 24 |

| | | | | | |
|---|---|--------------------------|-----------------------|--|------------------------|
| | | 1700 gm | 2500 gm | | |
| Black pepper | Phytophthora foot rot | 0.17% or 1700 gm | 0.25% or 2500 gm | 2 litre as foliar spray or 3 litre as soil drench | 21 |
| Mustard | Downy mildew | 0.17% or 1700 gm | 0.25% or 2500gm | 1000lt. | 60 |
| Metalaxyl M 3.3% + Chlorothalonil 33.1% SC | | | | | |
| Potato | Late blight | 0.073% | 0.2% | 500 | 34 |
| Metalaxyl 8% + Mancozeb 64% WP | | | | | |
| Grapes | Downy mildew | 2000 g or 0.4% | 2500 g or 0.5% | 500 lt. | Not less than 7 weeks |
| Tobacco Nursery | Damping off | 3600 g or 0.072% | 5000 g or 0.1% | 1000 lt. | Not less than 7 weeks |
| | Leaf blight/ Black Shank (Soil drench at sowing and spray at 30days after sowing) | 1440 g or 0.14% | 2000 g or 0.2% | 1000 lt. | Not less than 7 weeks |
| Potato | Late blight | 1800 gm or 0.18% | 2500 gm or 0.25% | 1000 lt. | Not less than 7 weeks |
| Mustard | White rust and Alternaria blight | 1800 gm or 0.18% | 2500 gm or 0.25% | 1000 lt. | Not less than 8 weeks |
| Black Pepper | Phytophthora foot rot | 1.8 g a.i./vine or 0.09% | 2.5 gm/vine or 0.125% | 2lt./vine (spraying) 5lt./vine (soil drenching) | Not less than 21 weeks |
| Pearl millet | Downy mildew | 1440 gm or 0.28% | 2000 gm or 0.4% | 500lt. | Not less than 7 weeks |
| Metiram 55% + Pyraclostrobin 5% WG | | | | | |
| Tomato | Early blight | 900-1050 | 1500-1750 | 500 | 5 |
| Potato | Late blight | 900-1050 | 1500-1750 | 500 | 15 |
| Grape | Downy mildew | 900-1050 | 1500-1750 | 750 | 34 |
| Chilli | Anthracoise | 900-1050 | 1500-1750 | 5 | 5 |
| Onion | Purple blotch | 900-1050 | 1500-1750 | 16 | 16 |
| Cotton | Alternaria leaf spot | 900-1050 | 1500-1750 | 45 | 45 |

| | | | | | |
|---|--|-----------------------|-----------|------|----|
| Apple | Premature leaf fall disease & Alternaria leaf spot and blight | 1750g/ha | 100g/100L | 1750 | 12 |
| Pomegranate | Fruit spot | 900-1050 | 1500-1750 | 500 | 67 |
| Black gram | Leaf spot disease | 900-1050 | 1500-1750 | 500 | 32 |
| Cumin | Alternaria blight & Powdery mildew | 900-1050 | 1500-1750 | 500 | 20 |
| Greengram | Cercospora leaf spot | 900-1050 | 1500-1750 | 500 | 18 |
| Groundnut | Tikka disease | 900-1050 | 1500-1750 | 500 | 42 |
| Banana | Sigatoka leaf spot disease | 900-1050 | 1500-1750 | 500 | 85 |
| Cucumber | Downy mildew disease | 900-1050 | 1500-1750 | 500 | 5 |
| Bitter gourd | Downy mildew disease | 900-1050 | 1500-1750 | 500 | 5 |
| Penflufen 13.28% w/w + Trifloxystrobin 13.28% w/w FS | | | | | |
| Groundnut | Seed and Seedling rot disease | 12.32+12.32-15.4+15.4 | 80 – 100 | | |
| Soybean | Seed and Seedling rot disease | 12.32+12.32-15.4+15.4 | 80 – 100 | | |
| Picoxystrobin 7.05% + Propiconazole 11.7% SC | | | | | |
| Paddy (Rice) | Sheath blight, (<i>Rhizoctonia solani</i>) False smut, (<i>Ustilagoideia virens</i>) Dirty Panicle | 200 | 1000 | 500 | 24 |
| Wheat | Yellow Rust (<i>Puccinia striiformis sp.</i>) | 200 | 1000 | 500 | 52 |

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|--|--|-----------------|-----------------------------|-----|----|
| | <i>tritici</i>) | | | | |
| Picoxystrobin 6.78% + Tricyclazole 20.33 %w/w SC | | | | | |
| Paddy (Rice) | Leaf Blast & Neck Blast | 300 | 1000 | 500 | 29 |
| Chilli | Anthraco nose, Wet rot, Powdery mildew | 300 | 1000 | 500 | 3 |
| Prochloraz 24.4% + Tebuconazole 12.1% w/w EW | | | | | |
| Chilli | Fruit rot, Die-back & Powdery mildew | 267+133 | 1000 | 500 | 5 |
| Propiconazole 13.9% + Difenoconazole 13.9% EC | | | | | |
| Paddy | Sheath blight, dirty panicle | 0.02% - 0.03% | (0.07-0.1%) 0.7-1.0 ml/L | 500 | 46 |
| Propiconazole 10.7% w/w + Tricyclazole 34.2% w/w SE | | | | | |
| Paddy (Rice) | Sheath blight, Blast | 262.5 to 393.75 | 500-700 | 500 | 46 |
| Pyraclostrobin 133 g/l + Epoxiconazole 50g/l SE | | | | | |
| Groundnut | Tikka | 114.37-137.25 | 625-700 | 500 | 21 |
| Soybean | Cercospora leaf spot | 137.25 | 750 | 500 | 27 |
| Coffee | Rust | 137.25 | 750 | 750 | 37 |
| Wheat | Yellow rust | 137.25 | 750 | 500 | 47 |
| Cumin | Alternaria blight | 137.25 | 750 | 500 | 22 |
| Maize | Leaf blight | 137.25 | 750 | 500 | 48 |
| Banana | Sigatoka leaf spot | 137.25 | 750 | 500 | 24 |
| Tebuconazole 6.7% + Captan 26.9% w/w SC | | | | | |
| Chilli | Powdery mildew and Anthracnose | 80+320 | 1000 | 500 | 5 |

| | | | | | |
|--|--|--------------------------|---|---|----|
| Apple | Powdery mildew, Alternaria leaf spot/blight, Scab | 124+496 0.02% + 0.08% | 1550 0.25% or 2.5ml/l of water | 10 L/tree | 10 |
| Tebuconazole 10% + Sulphur 65% WG | | | | | |
| Chilli | Powdery mildew & Fruit rot | 937.50(125+812.5) | 1250 | 500 | 5 |
| Soybean | Leaf spot & Pod blight | 937.50(125+812.5) | 1250 | 500 | 26 |
| Tebuconazole 50% + Trifloxystrobin 25% WG | | | | | |
| Rice (Paddy) | Sheath blight, Leaf, Neck Blast, Glume discoloration (dirty panicle) | 100 + 50 | 200 | 375-500 | 21 |
| Tomato | Early blight | 175+87.5 | 350 | 500 | 5 |
| Grapes | Powdery mildew | 87.5+43.75 | 175 | 1000 | 34 |
| chilli | Powdery mildew, Anthracnose, Alternaria leaf spot | 125+62.5 | 250 | 500 | 5 |
| wheat | Yellow rust, powdery mildew | 150+75 | 300 | 300-500 | 40 |
| Mango | powdery mildew, Anthracnose | 0.056% --0.075% | 0.075%-- 0.1%(75— 100g/100lit water) | Spray fluid as required depending on size of tree | 15 |
| Thiophanate methyl 450 g/l + Pyraclostrobin 50 g/l FS | | | | | |
| Okra | Post emergent damping off | 15 | 30 | 500 | NA |
| Soybean | Seedling rot | 10-12.5 | 20-25 | Sufficient to coat the seeds uniformly | NA |
| Groundnut | Stem rot | 10-12.5 | 20-25 | Sufficient to coat the seeds uniformly | NA |

| | | | | | |
|--|--|------------------|------------|--|----|
| Potato | Black scurf | 10 | 20 | Sufficient to coat the seeds uniformly | NA |
| Tricyclazole 20.4% w/w + Azoxystrobin 6.8% w/w SC | | | | | |
| Rice (Paddy) | Blast, False smut, Sheath blight and Grain discoloration (Dirty Panicle) | 300 (225+75) | 1000 | 500 | 10 |
| Tricyclazole 45% + Hexaconazole 10% WG | | | | | |
| Paddy (Rice) | Blast and Sheath blight | 225+50 | 500 | 500 | 23 |
| Tricyclazole 18.0% w/w + Tebuconazole 14.4% w/w SC | | | | | |
| Rice (Paddy) | Sheath blight, Blast, false smut and grain Discoloration | 360 (200+160) | 1000 ml/ha | --- | 44 |
| Triticonazole 80 g/l + Pyraclostrobin 40 g/l (w/v) FS | | | | | |
| Wheat | Loose smut | 0.12 | 1.0 | Sufficient to coat the seeds uniformly | NA |

* Warning: When used as a foliar spray on Red Delicious variety of apples. This product may cause resetting.

** In case of fruit trees the values given pertain to the concentration of a.i. in spray solution and volume of spray solution required per tree.
