



**Government of India Ministry of Agriculture &
Farmers Welfare**

**Department of Agriculture& Farmers Welfare Directorate of Plant
Protection, Quarantine &Storage Central Insecticide Board &Registration
Committee N.H.-IV, Faridabad-121001 (Haryana)**

**MAJORUSES OF PESTICIDES
(Registered under the Insecticides Act, 1968)**

(UPTO - 30/11/2024)

(Based on certificate issued)

***Disclaimer: The document has been compiled on the basis of available
information for guidance and not for legal purposes.***

FUNGICIDES

1. Fungicides single product formulations use (Page No. – 02 to 39).
2. Fungicides combination uses (Page No. – 40 to 68)

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)	
Amisulbrom 20% SC					
Potato	Late blight (<i>Phytophthora infestans</i>)	100	500	375-500	19
Grape	Downy mildew (<i>Plasmopara viticola</i>)	75	375	400-1000	59
Azoxystrobin 23% SC					
Grapes	Downy mildew, Powdery mildew	125gm	500 ml	500-750	7
Chilli	Fruitrot, Powdery mildew	125gm	500 ml	500-750	5
Mango	Anthracnose, Powdery mildew	0.025%	0.1%	100ml/ 100 Ltr. (depending upon size of tree)	5
Tomato	Early & Late blight	125gm	500ml	500	3
Potato	Late Blight	0.025%(125) gm	500 ml	500	12
Cucumber	Downy 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
Potato	Black scurf disease (<i>Rhizoctonia</i>)	1.00	4.00	2.5	-

	solani)				
Aureofungin 46.15% w/v SP					
Paddy(Rice)	Blast, Brown leaf	-	0.005%	500	30
	spot				
Grapes	Downy mildew	-	0.005%	750	15
	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
Bitertanol25%WP					
Groundnut	Rust	250gm	1000gm	500	30
	Tikka	250gm	1000gm	500	30
Wheat	Karnal bunt	560gm	2240gm	750	-
Bupirimate 26.7% w/w EC					
Rose	Powdery mildew	1000	4000	1000	5
Apple	Powdery mildew	0.375 g	1.50/lit.	8-12/tree	15
Grapes	Powdery mildew	750	3000	1000	15
Captan 50% WG					
Chilli	Fruit rot (Anthracnose)	750gm	1500gm	500	5
Potato	Early Blight & Late blight	750gm	1500gm	500	21
Captan 50% WP					

Apple	Scab	1250gm	2.5kg	750-1000	-
Cherry	Brown rot	1250gm	2.5kg	750-1000	-
Grapes	Downey mildew	1250gm	2.5kg	750-1000	-
Potato	Early blight	1250gm	2.5kg	750-1000	-
	Late blight	1250gm	2.5kg	750-1000	-
Tomato	Early blight	1250gm	2.5kg	750-1000	-
	Late blight	1250gm	2.5kg	750-1000	-
Captan 75% WP					
Apple*	Scab, Fly speck & Bitter rot	0.12%**	1667gm	15-20**	8
Cherry	Brown rot	0.12%**	1667gm	15-20**	NA
Grape	Downy mildew	1250gm	1667gm	1000	8
Cabbage/ Cauliflower , Tomato, Brinjal, Chillies, Beans, Ornamental	Damping off (Nursery)	0.25%	2500gm	1000 Soil drench in the nursery	NA
Potato	Early blight	1250gm	1667gm	1000	8
	Late blight	1250gm	1667gm	1000	8
Tomato	Early blight	1250gm	1667gm	1000	6
	Late blight	1250gm	1667gm	1000	6
Chillies	Early blight	1250gm	1667gm	1000	8
	Fruit rot	1500gm	2000gm	1000	8
Citrus	Brown rot	0.25**	2500gm	15-20**	NA
	Scab	0.12**	1667gm	15-20**	NA
Rose	Blackspot	1250gm	1667gm	1000	NA
Paddy(Rice)	Leafspot	750gm	1000gm	750	NA
Captan 75% WS					
Chillies (soil drench)	Damping off (soil drench)	15-25 Gm per kg	20-30gm Per kg seed	1	

		seed			
Cabbage	Damping off (soil drench)	15-25gm per kg seed	20-30gm Per kg seed	1	
Tomato	Damping off (soil drench)	15-25 Gm per kg seed	20-30gm Per kg seed	1	

Carbendazim 5% GR

Paddy (Rice)	Brown leaf spot	0.62kg	12.5 kg	-	
--------------	-----------------	--------	---------	---	--

Carbendazim 46.27% SC

Grape	Powdery mildew	0.046% or 46 g /100 lit. water	0.1% or100 ml/100lit.Water	As required	30
Mango	Powdery mildew	0.046% or 46 g/100 lit. water	0.1% or100 ml/100lit Water	As required	15

Carbendazim 50%WP

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	2gm/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	Leafspot	125	250	750	-
Jute	Seedling blight	1gm/kg seed	2gm/kg seed	1Lit./10 kg seed	(wet slurry treatment)
Groundnut	Tikka leafspot	112.5 gm	225gm	750	-
Sugar beet	Leafspot	100gm	200gm	400	-
	Powdery mildew	100gm	200gm	400	-
Peas	Powdery mildew	125gm	250gm	600	-
Cluster Beans	Powdery mildew	175gm	350gm	750	-

Cucurbits	Powdery mildew	150gm	300gm	600	-
	Anthracnose	150gm	300gm	600	-
Brinjal	Leafspot	150gm	300gm	600	-
	Fruit rot	150gm	300gm	600	-
Apples	Scab	1.25gm	2.5gm	10Lit./tree	-
Grapes	Anthracnose	150gm	300gm	600	-
Walnut	Downy leafspot	1.5gm	3gm	10 Lit./tree	-
Rose	Powdery mildew	0.5gm	1gm	2	-
Ber	Powdery mildew	5gm	10gm	10 Lit./tree	-
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	-
Tobacco	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 onetime 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
	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
Potato	Early & Late blight	0.66 - 0.937	0.875-1.250	600-800	14
Apple	Scab	0.150% (150gm/10Ltr. water)	0.200% (200gm/100Ltr. water)	10 Ltr. water per tree	45
Grapes	Anthracnose 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 Oxychloride 50% WG					
Grape	Downy mildew	0.12%or 120g/100Ltr. water	0.24%or 240g/100Ltr. water	As required depending upon PP equipment used	30
Mango	Anthracnose	0.12%or120 g/100Ltr. water	0.24%or 240g/100Ltr. water	As required depending Upon PP equipment used	10
Copper oxychloride 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	-
	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	Anthracnose	350	1000	500	5
Rice (Paddy)	False smut, Bacterial leaf blight	525	1500	500	10

Copper Hydroxide 61.41% WG

Chilli	Anthracnose	537.34	875	500	3
Rice	False smut	767.63	1250	500	21
Grapes	Downy Mildew	767.63	1250	500-1000	3

Tomato	Late Blight and Early blight	767.63	1250	500	3
Tea	Blister blight	921.15	1500	250+500	3
Copper Hydroxide 77% WP					
Rice (Paddy)	False smut	1000gm	2000gm	750	-
Copper Sulphate 2.62% SC					
Tomato	Early blight and Late blight	-	1 litre	500	3 days
Potato	Early blight and Late blight	-	1 litre	500	3 days
Chilli	Fruit rot (anthracnose)	-	1 litre	500	3 days
Grape	Downy mildew	-	1 litre	500	3 days
Copper Sulphate Pentahydrate 6% SC					
Rice	Bacterial leaf blight	60 gm	1000 ml	500	21
Pomegranate	Bacterial blight	0.15 gm per lit	2.5 ml per lit of water	750-1000	33
Grape	Downy mildew	0.15 gm per lit	2.5 ml per lit of water	500-1000	45
Cyflufenamid 5% EW					
Chilli	Powdery mildew (<i>Leveilulla taurica</i>)	15	300	375-500	5
Grapes	Powdery mildew (<i>Uncinula necator</i>)	25	500	400-1000	25
Black gram	Powdery mildew	25	500	375-500	24
Cymoxanil 50% WP					
Grapes	Downey mildew	0.12%	0.24% or 240gm/100 ltr. water	As required depending upon the crop stage and equipment used	15
Cyazofamid 34.5% SC					
Potato	Late blight	80g	200ml	500	27

Tomato	Late blight	80g	200ml	500	3-5
Grapes	Downy mildew	80g	200ml	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/100ltr. water	0.015% or 15ml/100 ltr. water	As required depending upon the size of the plant and plant protection equipment used	14
Paddy (Rice)	Sheath blight	0.0125% or 12.5g/100ltr. water	0.05% or 50 ml/100ltr. water	500	25
Chilli	Die-back, Fruit rot	0.0125% or 12.5g/100 ltr. water	0.05% or 50 ml/100ltr. 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	Anthracnose, Powdery mildew	0.0075% or 7.5 g/100ltr. water	0.03% or 30ml/100 ltr. of water	500	10
Groundnut	Leaf spot, rust	0.025% or 25g/100ltr. 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	500gm	1000gm	750L	25

Potato	Late blight	500gm	1000gm	750L	16
Dinocap 48% EC					
Mango	Powdery mildew	2.4gm	5gm	10	-
Rose	Powdery mildew	0.96gm	2ml	10lit. water	-
Dithianon 75%WP					
Apple	Scab	1350gm	1800gms	2400L	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
Dodine65%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
Ethaboxam 40% SC					
Potato	Late blight	200-225	500-663 ml	500	11
Flusilazole 40% EC					
Rice (Paddy)	Sheath blight	120g a.i./ha	300ml/ha	500	24
Chilli	Powdery mildew	40-60 g a.i/ha	100-150 ml/ha	500	5
Fluxapyroxad 333 g/l FS					
Sorghum	Anthracnose	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	1120-1600gm	1400- 2000 gm	750-1000	30

Cardamom	Azukhal Disease and Damping off	1800- 2400gm	2250-3000 gm	750-1000	90
Tomato seedlings	Damping-off	2.0-2.4	2.5-3.0	1 Lit/sq. meter	-
Hexaconazole 0.5% GR					
Rice	Sheath blight & Sheath rot	50 gm	10 kg	Not applicable	38
Hexaconazole 2% SC					
Chillies	Powdery mildew & Fruit rot	60gm	3.0L	500	7
Potato	Early blight& Late blight	60gm	3.0L	500	21
Grapes	Powdery mildew	30-60gm	1.5-3.0L	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	10gm	200ml	70-90 with power sprayers, 175-200 With knap Sack sprayer	7
Grapes	Powdery mildew	25-50gm	500-1000ml	500	14
Hexaconazole 5% SC					
Mango	Powdery mildew	0.01% (10 g/100 lt. water)	0.2%or (200ml/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.wate r)	0.2%or (200ml/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, Powdery mildew	50	66.7	500	7
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	Anthracnose	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
Cabbage	Black rot	45	1500	500	20
Kitazin 17% GR					
Rice (Paddy)	Blast	0.5 kg	3 kg	Not applicable	15 days
Kitazin 48% EC					
Rice (Paddy)	Blast, Sheath blight	0.10% or100	0.20%or 200mlin	As required depending	15

		Gram in 100ltr. Of water	200lit.of water	upon crop Stage and plant protection equipment used	
Chilly	Fruit rot /die-back	0.10% Or 100 gram in 100lit. of water	0.20%or 200mlin 200lit. of water	As required depending upon crop stage and plant protection equipment used	3
Tomato	Early blight	0.10% or100 Gram in 100lit. Of water	0.20%or 200mlin 200lt. of water	As required depending upon crop Stage and plant protection equipment used	5
Potato	Early blight	0.10% or100 Gram in 100lit. Of water	0.20%or 200mlin 200lit. of water	As required depending upon crop stage and plant protection equipment used	48
Onion	Purple blotch	0.10% or100 Gram in 100lit. Of water	0.20%or 200mlin 200lt. of water	As required depending upon crop stage and plant protection equipment used	63
Pomegranate	Anthracnose	0.10% or100 Gram in 100lit. Of water	0.20%or 200mlin 200lt. of water	As required depending upon crop stage And plant protection equipment used	10
Grape	Anthracnose	0.10% or100 Gram in 100lit. of water	0.20%or 200mlin 200lit.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	300-350gm	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	Turicum leaf blight, Rust	250	500	500	25
Tea	Grey Blight disease	100 g	200 ml	175	21

Lime Sulphur 22% SC

Apple	Scale, Powdery mildew	0.22%	The liquid is used at 1% in conventional sprayers.		2% pre & 1% post blossom
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% or175 gm/100 Lt. water	0.5%or500 gm/100lt. water	500Lt.Water or as required depending upon crop stage and equipment used	10
Potato	Early blight & Late blight	0.175%or175gm/100 Ltr. water	0.5%or500 gm/100lt. water	500Lt Water or as required depending upon crop stage and equipment used	35
Mancozeb 75% WG					
Tomato	Early blight	750gm	1000gm	500Ltr.	5-6
Potato	Late blight	750gm	1000gm	500Ltr.	3-5
Apple	Scab, Pre-mature leaf fall, Alternaria spot/blight, sooty blotch	18.75-22.5/tree	25-30/tree	10L/tree	40
Mancozeb 75% WP					
Wheat	Brown& black rust, Blight	1.125-1.5 kg	1.5-2kg	750Ltr..	-
Maize	Leaf blight, Downy mildew	1.125-1.5 kg	1.5-2kg	750Ltr.	-
Paddy (Rice)	Blast	1.125-1.5 kg	1.5-2kg	750Ltr.	-
Jowar	Leafspot	1.125-1.5 kg	1.5-2kg	750Ltr.	-
Potato	Late blight, Early blight	1.125-1.5 kg	1.5-2kg	750Ltr.	-

Tomato	Late blight, Buckeye rot, Leafspot	1.125-1.5 kg	1.5-2kg	750Ltr.	-
Chilies	Damping off	2.25g	3g (soil drench)	1000 Ltr.	-
	Fruit rot, Ripe rot, Leafspot	1.125-1.5kg	1.5-2kg	750Ltr.	-
Cauliflower	Collar rot	2.25gm	3gm	1000 Ltr.	-
	Leafspot	1.125-1.5kg	1.5-2kg	750Ltr.	-
Groundnut	Tikka disease& rust	1.125- 1.5kg	1.5-2kg	750Ltr.	-
	Collar rot, Leaf spot	18.75 to 22.50/ 10 kg seed	25 to 30/ 10 kg seed	0.1 (water slurry)	-
Grapes	Angular leafspot, Downy mildew, Anthracnose	1.125-1.5kg	1.5-2kg	750Ltr.	-
Guava	Fruit rot	15g/tree	20g/tree	10Ltr.	-
Banana	Cigar end rot, Tip rot, Sigatoka leafspot	1.125-1.5 kg	1.5-2kg	750 Ltr.	-
Apple	Scab& sooty blotch	22.5 g /tree	30gm/tree	10Ltr.	-
Cumin	Blight	1.125-1.5 kg	1.5-2kg	500Ltr.	-

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
Cucumber	Downy Mildew	100 g/a.i./L or 0.2 g a.i./L	400 ml/ha or 0.8 ml/L	500	7
Watermelon	Downy Mildew	100 g/a.i./L or 0.2 g a.i./L	400 ml/ha or 0.8 ml/L	500	10
Bitter gourd	Downy Mildew	100 g/a.i./L or 0.2 g a.i./L	400 ml/ha or 0.8 ml/L	500	7

Meptyl Dinocap 35.7% EC

Grapes	Powdery mildew	108-120	308.6-342.8	750-1000	30
Chillies	Powdery mildew	108-120	308.6-342.8	500-750	7
Mango	Powdery mildew	108-120	308.6-342.8	1000	7
Pea	Powdery mildew	108-120	308.6-342.8	500	7

Metalaxyl-M 31.8% ES

Maize	Downey mildew	0.76	2.4	3.5-4 months
Chilli	Damping Off	0.64	2.0	used as seed dresser
Tomato	Damping Off	0.64	2.0	used as seed dresser
Pearl millet	Downey mildew	0.64	2.0	76
Sorghum	Downey mildew	0.64	2.0	114
Sunflower	Downey mildew	0.64	2.0	90
Mustard	Downey mildew and White rust	1.11	3.5	used as seed dresser

Metalaxyl 35% WS

Maize	Sorghum Downy mildew, Sugarcane downy mildew, Phillippine Downy mildew, Browny stripe downy mildew	Slurry seed treatment with240g/ 100 kg seed	700g/100 Kg seed	0.75-1.0/100 Kg seed	3½-4months Depending on the variety
Bajra	Downy mildew	Slurry seed treatment with 200g/100 Kg seed	600g/100 Kg seed	0.75- 1.0/100kg seed	3-3½months 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	500-750 Lt.	6
Groundnut	Tikka	1400gm	2000gm	500-750Lt.	16
Potato	Late blight, Early Blight	1400 gm	2000 gm	500-750 Lt	17
Grape	Downey mildew	1400 gm	2000 gm	500-750 Lt	07
Rice (Paddy)	Blast and Brown spot	1050-1400	1500-2000	500	51
Chilli	Anthracnose	1400	2000	500	10
Apple	Scab	0.3%	300 gm/ 100 L of Water	2500	21
Mango	Anthracnose	87.5 g	125 g	1000 L	64
Pomegranate	Alternaria Fruit Spot & Anthracnose disease	140 g	200 g	500 L	10
Black gram	Cercospora leaf spot,	875-1050	1250-1500	500	34
Cotton	Alternaria leaf spot, Grey Mildew	875-1050	1250-1500	500	27

Onion	Purple Blotch and Stemphylium	875-1050	1250-1500	500	7
Soybean	Myrothecium leaf spot	875-1050	1250-1500	500	35
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
Cucumber	Powdery mildew	125	250	500	7
Chilli	Powdery mildew	100-125	200-250	500	7
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, Leafspot, Die-back	0.004%	0.04%	500lit/ha	03
Oxathiapiprolin 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/100Ltr. water	Depending upon the requirement	30
Apple	Scab	0.005% or 5 gm /100 Ltr. water	50ml/100Ltr. water	10Ltr. Water per tree	30

Mango	Powdery mildew	0.005% or 5 gm/100 Ltr. water	50ml/100Ltr. water	10Ltr. Water per tree	30
Pulses (Black gram /Greengram)	Powdery mildew	0.005% or 5 gm/100 Ltr. water	50ml/100Ltr. water	500Ltr./ha	30
Penflufen 22.43% FS					
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	150-187.5gm	600-750ml	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
Polyoxin D Zinc Salt 5% SC					

Grape	Powdery Mildew	30 gm	600 gm	500 - 1000	0
Rice	Sheath Blight	30 gm	600 gm	500	0
Chilli	Powdery Mildew	50	1000	500	0
Prochloraz 39.6% w/w EC					
Rice	Blast	450	1000	500	26
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
	Stem rust (<i>P.graminis f.sp . tritici</i>)	125gm	500gm	750	30
	Stripe rust /Yellow Rust (<i>P. striiformis</i>)	125gm	500gm	750	30
Rice (Paddy)	Sheath blight (<i>Rhizoctonia solani f.sesakii</i>)	125gm	500gm	750	30
Groundnut	Early leaf spot (<i>Cercospora arachidicola</i>)	125gm	500gm	750	15
	Lateleafspot (<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
Soya bean	Rust(<i>Phakopsora pachyrhizi</i>)	125gm	500gm	500	26
Cotton	Alternaria leaf spot	125gm	500gm	500	23

Propineb 70%WP					
Apple	Scab	0.21%or 210 g/100Ltr. water	0.30%or300 gram/100Ltr. 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/100Ltr. water	0.30%or300 gram/100Ltr. water	As required depending up on size of the tree and plant protection equipment used	10
Potato	Early& Late blight	0.21%or 210g/100 Ltr. water	0.30%or300 gram/100Ltr. water	As required depending upon crop stage and plant protection equipment used	15
Chilli	Die-back	0.21%or 210 g/100Ltr. water	0.5%or500 gram/100Ltr. water	As required depending upon crop Stage and plant protection equipment used	10
Tomato	Buckeye rot	0.21%or 210 g/100Ltr. water	0.30%or300 gram/100Ltr. water	As required depending Upon crop stage and plant protection equipment used	10

Grapes	Downy mildew	0.21%or 210 g/100Ltr. water	0.30%or300 gram/100Ltr. water	As required depending upon crop Stage and plant protection equipment used	40
Rice (Paddy)	Brown leaf spot and Narrow leaf spot	1050to 1400 g	1500to2000 g	Use 500 Liters pray volume/hectare	-
Cotton	Alternaria leaf spot	875-1050	1250-1500	500Ltr./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	Turicum leaf blight	100	500	500	40
Banana	Sigatoka leaf spot	150	750	500	103
Chilli	Anthracnose	100	500	500	3
Pyraclostrobin 100g/l CS					
Paddy (Rice)	Blast Disease	100	1000	500	18
(Streptomycin Sulphate 90% + Tetracycline Hydrochloride 10%) SP					
Apple	Fire blight	-	Spray Strepto cycline 25 to50 Ppm solution at 20to30% bloom time	-	-

			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 repeated 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 solution for half an hour. Spray: Two to three sprays of 40 to 50 ppm Solution at an interval of 20 days. First spray 30 days after	-	-

			planting.		
Tobacco	Wildfire	-	Spray Streptocycline 40to100 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.	-	-
Tomato	Bacterial Leafspot	-	Spray seedlings with streptocycline4 0to100 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.	-	-
Paddy (Rice)	Bacterial Leaf blight	-	Seeds treatment: Prepare streptocycline 40 ppm Solution and soak seeds for12hours at room temperature before sowing. Seedling treatment: Dip the seeding in	-	-

			<p>streptocycline 40 to100 ppm solution. The antibiotic will be absorbed through the injured roots and penetrate the vascular bundles insides the seedlings.</p> <p>Spray: Spray streptocycline 100 to 150 ppm solution at early root stage.</p> <p>Second spray, if necessary before grain set.</p>		
--	--	--	---	--	--

Tea	Blister Blight	-	<p>It is fungal Disease and can be controlled by spraying 40gmswith 350 to 420 gms copper oxychloride (50% Wettable powder) in 67 liters of water per hectare with air blast sprayer, covering two rows on either side.</p>	-	-
(Streptomycin Sulphate 9% + Tetracycline Hydrochloride 1%) SP					
Apple	Fire blight	-	<p>Spray Strepto cycline 25 to50 Ppm solution</p>	-	-

			at 20to30% bloom time. Advisable to spray trees every 3to4 days during Blossom time.		
Beans	Halo blight	-	Spray Streptocycline 100 to 150ppm solution thrice at interval of 7 days. For Prevention apply first spray after 10 days of emergence of leaves.	-	-
Citrus	Citrus canker	-	Spray Streptocycline 50 to100 ppm solution repeatedly at an interval of 15to 20 days and fully cover the foliage and young fruits After the appearance of new growth.	-	-
Cotton	Seedling blight, angular leaf spot or black arm disease		Seed treatment: seed born infection can be eliminated by soaking the seeds in 40 – 5- ppm solution for a period of 2hrs. Spray: Streptocyclin 25-40 ppm to be sprayed trice before		

			flowering. After flowering 20 days after 2 nd spray For prevention of accompanying fungal infection use copper fungicide with Streptocyclin		
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 Streptocyclin 40 to 100 ppm solution for half an hour. Spray: Two to three sprays of 40-50ppm Solution at an interval of 20 days. First spray 30days after planting.		
Tobacco	Wildfire	-	Spray Streptocyclin 40 to100 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.	-	-

Paddy (Rice)	Bacterial Leaf blight	-	<p>Seeds treatment: Prepare streptocycline 40 ppm Solution and soak seeds for 12 hours at room temperature before sowing.</p> <p>Seedling treatment: Dip the seeding in streptocycline 40 to 100 ppm solution. The antibiotic will be absorbed through the injured roots and penetrate the vascular bundles insides the seedlings.</p> <p>Spray: Spray streptocycline 100 to 150 ppm solution at early root stage. Second spray, if necessary before grain set.</p>	-	-
Tomato/Chillies	Bacterial Leaf spot	-	Spray seedlings with Streptocyclin 40- 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 effective for controlling The disease.		
Tea	Blister Blight	-	Disease and can be controlled by spraying 40gms with 350 to 420 gms copper oxychloride (50% Wettable powder) in 67 liters of water per hectare with air blast sprayer, covering two rows on either side.	-	-
Pyriofenone 18 % w/v SC					
Grape	Powdery mildew	108	600	750	5
Sulphur 40%SC					
Beans	Powdery mildew	2.25-3.00 Kg	5.65-7.50 Kg	750-1000	-
Cumin	Powdery mildew	1.40g	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	1.50-2.00Kg	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	1.50-2.00Kg	3.75-5.00 Kg	1000	-
Sulphur 52% FS					
Pea	Powdery mildew	1.04Kg	2.00Ltr.	400	-
Chilli	Powdery mildew	1.04Kg	2.00Ltr.	400	-
Sulphur 55.16% SC					
Grapes	Powdery mildew	0.165%or 165 g/10Ltr. water	0.30%or300 ml/100Ltr. water	As required	10
Mango	Powdery mildew	0.165%or 165g/10Lt r. water	0.30%or300 ml/100Ltr. water	As required	10
Sulphur 80% WP					
Apple	Powdery mildew	2-4kg	2.5-5.0Kg	750-1000	-
Grapes	Powdery mildew	2-4kg	2.5-5.0Kg	750-1000	-
Groundnut	Tikka leaf spot	2-4kg	2.5-5.0Kg	750-1000	-
Cowpea, Moong/Urid	Powdery mildew	2.5kg	3.13Kg	750-1000	-
Pea	Rust	2.5kg	3.13Kg	750-1000	-
Sorghum	Grain smut	2.4-3.2 g/kg seed	3-4g/Kg seed	1Lt/10kg seed	-
Chillies & Okra	Powdery mildew	2.5kg	3.13Kg	750-1000	-
Mango	Powdery mildew	2.5kg	3.13Kg	750-1000	-
Citrus	Powdery mildew	2.5kg	3.13Kg	750-1000	-
Sulphur 80%WG					
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

Chilli	Powdery mildew	2.50	3.13	500	10
Sulphur 85% DP					
Grape	Powdery mildew	12.75-17kg	15-20kg	-	-
Groundnut	Tikka leaf spot	12.75-17kg	15-20kg	-	-
Beans (Cowpea, moong, Urd)	Powdery mildew, Rust	12.75-17kg	15-20kg	-	-
Pea	Powdery mildew	12.75-17kg	15-20kg	-	-
Rubber	Powdery mildew	31.875 kg	37.50 kg	-	-
Cumin & Coriander	Powdery mildew	12.75-17kg	15-20kg	-	-
Tobacco (on ground)	Powdery mildew	85kg	100kg	-	-
Sorghum	Grain smut	2.55-3.40 g/kg of seed	3-4 g/kg of seed	-	-
Tebuconazole 2% DS					
Wheat	Loose smut, Flag smut	0.2kg/10kg seed	10Lt/10kg seed		
Groundnut	Collar rot, Root rot, Stem rot	0.2to 0.25kg/10kg seed	10 to 12.5Lt/10 kg seed		
Tebuconazole 5.36% FS					
Wheat	Loose smut	0.2	3.33/10kg 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	Yellow Rust and powdery	258	600	375-500	5
Cabbage	Alternaria leaf spot	258	600	375-500	5
Grape	Powdery mildew	215 to 236.5	500-550	375-500	60

Onion	Purple blotch and Stemphylium blight	189.2 to 215	440-500	375-500	43
Rice	Sheath Blight	187.5 to 215	436-500	375-500	35
Groundnut	Tikka leaf spot	187.5 to 215	436-500	375-500	32
Chilli	Powdery mildew and Cercospora leaf spot	189.2 to 215	440-500	375-500	5
Soybean	Leaf spots (<i>Alternaria</i> , <i>Cercospora</i> & <i>Myrothecium</i>)	215-258	500-600	500	28
Coffee	Leaf rust	3.22 g /10 lit. water	7.5 ml/ 10 lit. water	1000	26
Apple	<i>Marssonina</i> Leaf blotch (premature leaf fall)	3.22 gram/10 L of water	7.5 ml /10 L of water	As required depending on the size of the tree and plant protection	30
Tomato	Early blight and Anthracnose	268.75	625	500	5
Tetraconazole 3.8% w/w EW					
Grape	powdery mildew	25-30	625-750	500-1000	30
Mango	powdery mildew	50	1250	1000	24
Watermelon	powdery mildew	40	1000	500	12
Tea	Blister Blight	19	500	175	7
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	Anthracnose	1000gm	1430gm	750-1000	1
Grapes	Powdery mildew, Anthracnose, Rust	500 500 500	715 715 715	750-1000 750-1000 750-1000	7
Rice	Blast(<i>Pyricularia oryzae</i>), Sheath Rot (<i>Rhizoctonia solani</i>) and grain discolouration	800 g	1143 ml	500 l	36
Rice	Sheath blight and Blast	500	715	500 L/ha	35
Grapes	Powdery mildew, Downy mildew and Anthracnose	500	715	750-1000 L/ha	7
Cotton	Alternaria Leaf spot and Grey Mildew	525-700	750-1000	500	47

Thiophanatemethyl70%WG

Bottle gourd	Anthracnose	750-1000	1070-1430	750-1000	1
Chilli	Powdery Mildew, Dieback and Anthracnose diseases	500 g	715 g	500 l	7

Thiophanatemethyl 41.7% SC

Paddy	Blast, Sheath rot, Grain Discoloration	500	1000	500	37
Groundnut	Tikka leaf spot	500	1000	500	27
Chilli	Fruit Rot/Antracnose	500	1000	500	10
Thiram 40% FS					
Maize	Seedling blight	9.6gm/10 kg seeds	24ml/10 kg seeds	100 ml	Seed dresser
Thiram75%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%	0.500kg	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
Tribasic Copper sulfate 34.5% SC					

Cucumber	Downy mildew	690	2000	500	7
Chilli	Leaf spot & Anthracnose	690	2000	500	5
Tricyclazole 75% WP					
Paddy (Rice)	Blast	225- 300 gm	300- 400gm	500	30
Validamycin 3% L					
Rice (Paddy)	Sheath Blight	60gm	2000gm	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	
	Leafspot	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	Blast	1.125- 1.5KG	1.5-2KG	750-1000 Lt	
Tobacco	Leafspot	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	
Chilli	Fruit rot	1.125-1.5KG	1.5-2KG	750-1000 Lt	
	Leafspot	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	
	Anthracnose	1.125-1.5KG	1.5-2KG	750-1000 Lt	
	Leafspot	1.125-1.5KG	1.5-2KG	750-1000 Lt	
Cauliflower	Leafspot	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	Leafspot	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	--
	Anthracnose	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 25% + Boscalid 35% WG					
Grapes	Powdery mildew and Anthracnose	300	500	1000 l/ha	5
Tomato	Early blight and Septoria leaf spot	300	500	500 L/ha	10
Chilli	Powdery mildew and Anthracnose	300	500	500 L/ha	10
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
Tomato	Early Blight, Late Blight, Powdery Mildew, Septoria Leaf blight	1.344 (0.144 + 1.2) g	3 ml	500	3
Azoxystrobin 18.2% w/w + Cyproconazole 7.3% w/w SC					
Wheat	Rust and Powdery mildew	0.26	1	500 (via Knapsack sprayer) 20 (via Drone application)	50

Maize	Downy mildew, Turcicum leaf blight and Rust	0.26	1	500	52
Ametoctradin 27%+ Dimethomorph 20.27% w/w SC					
Grape	Downey mildew	420-525	800-1000ml	750	34
Cucumber	Downey mildew	420-525	800-1000ml	500	07
Potato	Late Blight	420-525	800-1000ml	500	32
Tomato	Late Blight	420-525	800-1000ml	500	03
Azoxystrobin 18.2% + Difenoconazole 11.4% w/w SC					
Chilli	Anthracnose & 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 / Litre water	500	5
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
Ground nut	Tikka leaf spot & Rust	148 g/ha (91 +57)	500 ml/ha 1 ml/lit water	500	46
Black gram	Leaf spot & Powdery mildew	148 g/ha (91 +57)	500 ml/ha 1 ml/lit water	500	23

Soybean	Leaf spot & Rust	148 g/ha (91 +57)	500 ml/ha 1 ml/lit water	500	16
Coffee	Rust disease	0.30 g/ha	1 ml/lit. water	1000 L/ha	62
Azoxystrobin 14 % + Epoxiconazole 9 % SC					
Rice	Sheath blight	(105+67.5)	750	375	28
Azoxystrobin 10% + Fipronil 5% SC					
Rice	Sheath blight & Leaf blast	62.5 + 125	1250	500	53
Chilli	Powdery mildew & Anthracnose/Fruit rot	50 + 100	1000	500	05
Azoxystrobin 8.3% + Mancozeb 66.7% WG					
Grape	Powdery mildew , Downy mildew, Anthracnose	124.5+1000	1500	500-750(in water)depending on crop canopy	21
Chilli	Powdery mildew, Leaf spot, Anthracnose	124.5+1000	1500	500	7
Paddy	Sheath blight, Dirty panicle, Brown spot and Blast	124.5+1000	1500	500	23
Potato	Early and late blight	124.5+1000	1500	500	25
Tomato	Early and late blight	124.5+1000	1500	500	5
Onion	Stemphylium blight, Purple blotch and Downy mildew	124.5+1000	1500	500	42

Soybean	Cercospora leaf spot, Myrothecium leaf spot and Alternaria leaf spot	124.5+1000	1500	500	30
Pomegranate	Cercospora leaf spot, Alternaria leaf spot, Anthracnose	124.5 + 1000	1500	500	25
Azoxystrobin 11.5% + Mancozeb 30% WP					
Tomato	Early blight and late blight	(86.5+225) to (100.62+ 262.50)	750-875	500	3
Grapes	Downy Mildew	86.25+225 g	750 g	500	19
Azoxystrobin 4.7% + Mancozeb 59.7% + Tebuconazole 5.6% WG					
Cucumber	Downy mildew, Powdery mildew, Anthracnose	1400	2000	500	10
Paddy	Sheath Blight, Blast, Brown spot, dirty panicle & false smut	1400	2000	500	31
Chilli	Anthracnose, Powdery Mildew, Choanephora blight & Cercospora leaf spot	1400	2000	500	7
Azoxystrobin 7.1% + Propiconazole 11.9% w/w SE					
Rice	Sheath Blight	37.5+62.5	500	500	43
Wheat	Yellow rust (<i>Puccinia</i> <i>striiformis</i> f.sp. <i>Triticici</i>)	56.25+93.75	750	500	45
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
Rice	sheath blight and blast	125+125(250) g	1000 ml	500	25

Azoxystrobin 120 g/L + Tebuconazole 240 g/L SC

Rice	Blast and Sheath blight	249 g	830 ml	500 Lit	24 days
Chilli	Fruit rot, Dieback & Powdery mildew	249 g	830 ml	500 Lit	7 days

Azoxystrobin 5.1%w/w +Tebuconazole 9.1% w/w+ Prochloraz 18.2 % w/w EC

Rice	Blast (<i>Pyricularia oryzae</i>) & Sheath Blight (<i>Rhizoctonia solani</i>)	98.0 + 175.0 + 350.0	1750	500	40
Chilli	Anthracnose Leaf Spot, Die Back, Fruit rot, (<i>Colletotrichum capsici</i>) and Powdery Mildew (<i>Leveillula taurica</i>)	70.0 + 125.0 + 250.0	1250	500	10
Black Gram	Leaf Spot (<i>Cercospora canescens</i>)& Powdery Mildew (<i>Erysiphe polygoni</i>)	70.0 + 125.0 + 250.0	1250	500	35

Azoxystrobin 1.3% + Tebuconazole 0.22% + Thiamethoxam 25.9% FS

Okra	Damping off (<i>Rhizoctonia spp.</i> & <i>Pythium spp.</i>)	0.9+0.15+18.0	60	NA	NA
Azoxystrobin 20% + Thifluzamide 15% w/v SC					
Rice	Sheath Blight, Leaf blast	100+75 to 120+90	500-600	500	28
Azoxystrobin 2.5% + Thiophanate Methyl 11.25% + Thiamethoxam 25% FS					
Soybean	<i>Fusarium</i> root rot, <i>Phytophthora</i> root rot, <i>Rhizoctonia</i> seedling blight, <i>Pythium</i> seedling blight	38.75 g/10 kg seeds	100 ml/10 kg seeds	Not applicable	-
Azoxystrobin 16.7% + Tricyclazole 33.30% SC					
Rice	Sheath blight, Blast, Brown spot	83.5 + 166.5	500	500	24
Benalaxyl-M 4% + Mancozeb 65% WP					
Grape	Downey mildew	1897.5	2750	750-1000	48
Benalaxyl 8% + Mancozeb 65% WP					
Cucumber	Downy mildew	200+1625	2500	500	5
Boscalid 25.2%+Pyraclostrobin12.8%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,	190	500	500	24
Tomato	Early blight	190	500	500	10
Captan 70%+ Hexaconazole 5%WP					
Chilli	Fruit rot (Anthracnose)	375-750	500-1000	500	5
Potato	Early blight &Late blight	375-750	500-1000	500	21

Black gram	Powdery mildew, Rust	562.5	750	500	20
Cumin	Alternaria blight	562.5	750	500	17
Tomato	Early blight, Powdery Mildew, Leaf Spot and fruit rot	562.5	750	500	7
Rice	Sheath blight, Stem rot	562.5 g	750 g	500 l	30
Carbendazim 1.92% + Mancozeb 10.08% GR					
Paddy (Rice)	Blast, sheath blight	240+1260	12.5	Broadcasting	46
Carbendazim 12%+ Mancozeb 63% WP					
Groundnut	Leafspot	375gm	500gm	500lt.	72
Paddy (Rice)	Blast	563gm	750gm	750lt. 20 ltr/ha (via drone application)	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	Downy 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 20 ltr/ha (via drone application)	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

Cotton	Alternaria leaf spot & Grey mildew	180+945	1500	500	71
Soybean	Alternaria leaf spot, Myrothecium leaf spot, Pod & stem blight & Anthracnose	150 + 787.5	1250	500	31
Mandarin	Twig blight, Sooty mould, Anthracnose fruit rot and Anthracnose leaf spot	0.23%	0.30%	500	30
Groundnut (Seed Treatment)	Tikka leaf spot, Collar rot and dry root rot	1.88	2.5	-	Seed treatment
Soybean (Seed Treatment)	Collar rot, Charcoal rot, Seedling rot,	2.25	3.0		Seed treatment
Pea (Seed Treatment)	Rhizoctonia seedling blight, Ascochyta foot rot, Fusarium wilt	2.25	3.0		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 10 kg seed)	30-35/10 kg	0.1	-
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	-
Black gram	Root rot, Collar rot	7.5+15	30	0.1	-
Bengal gram	Dry Root rot, Collar rot	7.5+15	30	0.1	-

Soybean	Root rot, Collar rot	7.5+15	30	0.1	-
Onion	Damping-off	7.5+15	30	10	-
Maize	Seed rot, Seedling blight	7.5+15	30	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

Carboxin17.5%+ Thiram17.5%FF

Wheat	Loose smut	8.75 to 10.5gm	25 to 30gm	100ml	Seed treatment
-------	------------	----------------	------------	-------	----------------

Carboxin37.5%+ Thiram37.5%WS

Wheat	Loose smut and other seed borne and early soil borne diseases	2.25gm/Kg seed	3.0gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment waiting not required
Soybean	Collar rot, Charcoal rot and other seedling diseases	2.25gm/Kg seed	3.0gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment
					waiting not required
Cotton	Root rot, Bacterial bight	2.5gm/Kg seed	3.5gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment waiting not required

Groundnut	Collar rot, Seed rot, Root rot, Stem rot	2.25gm/Kg seed	3.0gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment waiting not required
Pigeon pea	Seed rot, Root rot, Stem rot, Fusarium wilt	3gm/Kg seed	4.0gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment waiting not required
Potato	Black scurf	1.87gm/Kg seed	2.5gm/Kg seed	10 ml/kg (To make slurry)	Being seed treatment waiting not required

Chlorothalonil 40.0% w/w + Difenoconazole 4.0 w/w SC

Tomato	Early blight, Late blight	440^ (400+40)	1000	500 (via Knap sack) 20 (via drone application)	7
Chilli	Powdery mildew, Anthracnose, Fruit rot	440^ (400+40)	1000	500 (via Knap sack) 20 (via drone application)	7
Ground nut	Tikka leaf spot and Rust	400	1000	500	47
Apple	Powdery mildew,	352	800	1000	24
	Premature leaf fall and Scab				

[^] Calculated as 550 (500=50) gm a.i./ha on w/v basis

Chlorothalonil 12.5% + Mancozeb 62.5% WG

Grape	Downy mildew and Anthracnose	218.75+1093.75	1750	1000 at full canopy	07
Potato	Early blight and Late blight	2178.75+1093.75	1750	500	35

Copper Sulphate 47.15% + Mancozeb 30% WDG

Grape	Anthracnose, Powdery Mildew & Downy mildew	2357.5+1500	5000	750-1000 Depending on crop canopy	10
Cymoxanil 8%+ Mancozeb 64% WP					
Grapes	Downy mildew	1080-1440 gm	1500–2000gm	500-1000	10days
Potato	Late blight	1080gm	1500gm	500-750	10days
Tomato	Late blight	1080gm	1500gm	500-750	10days
Cucumber	Downy mildew	1080gm	1500gm	500-600	10days
Citrus	Gemmrosis (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
Cyazofamid 6.2%+Mancozeb 60.8% w/w WP					
Potato	Early Blight and Late blight	77.5+760	1250	500	22
Cyazofamid 25% + Pyraclostrobin 18% w/v SC					
Tomato	Tomato Late Blight (<i>Phytophthora infestans</i>) and Early Blight (<i>Alternaria solani</i>)	75+54 - 87.5+63	300-350	500	26
Difenoconazole 10 % + Mancozeb 50% WDG					
Paddy	Blast & Sheath Blight	62.5 + 312.5	625gm	500	33
Chilli	Powdery mildew, Die-Back & Fruit rot	62.5 + 312.5	625g gm	500	13
Difenoconazole 6% + validamycin 6% SC					
Rice	Blast & Sheath Blight	60.0 + 60.0	1000	500	40
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
Tomato	Early Blight	183.75 g	1250 g	500 1	10
Famoxadone16.6%+ Cymoxanil22.1%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	2000-2500gm	500-750 lt.	90day s
Fenamidone 10% + Mancozeb 50% WG					
Potato	Late blight	125+625- 150+750gm	1250-1500gm	500lt.	30
Grapes	Downy mildew	150+750 gm	1500gm	500-750	85
Gherkin	Downy mildew	150+750 gm	1500gm	375-500	5
Flubendamide 3.5% + Hexaconazole 5% WG					
Paddy (Rice)	Sheath blight, Sheath rot	Flubendamide- 35 & Hexaconazole- 50	1000	500	30
Groundnut	Tikka Leaf spot & Rust	Flubendamide- 52.5 & Hexaconazole- 75	1500	500	31
Chilli	Leaf spot, Powdery mildew & Anthracnose	Flubendamide- 52.5 & Hexaconazole- 75	1500	500	10
Flubendiamide 7.5% + Kresoxim-Methyl 37.5% SC					
Rice	Leaf & neck blast, Sheath blight	50 + 250	667	500	30
Tomato	Early and Late blight	50 + 250	667	500	7
Fluopicolide 4.44% + Fosetylaluminium 66.67% WG					
Grape	Downy mildew	(99.9 + 1500) to (111+ 1667)	2.25-2.5	750ltr.	32
Fluopicolide 5.56% w/w + Propamocarb Hydrochloride 55.6% w/w SC					
Onion	Downy mildew and purple blotch	62.5 + 625 to 78.1 + 781.3 g	1000 to 1250 ml	375 – 500 L	25
Fluopicolide 6.25% + Propamocarb hydrochloride 62.5% SC					
Potato	Late Blight	78.13 + 781.3 to 93.8 + 937.5	1.25 to 1.5 L	500	19

Tomato	Late Blight	93.8 + 937.5	1.5 L	500	5
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 +Tebconazole100	500	500	5
Rice (Paddy)	False smut, Dirty panicle	Fluopyram110 +Tebconazole110	550 g/ha	500	22
Apple	Marssonina leaf blotch, Alternaria leaf spot and Fruit rot	0.1 + 0.1 to 0.125 + 0.125 gm/ L of Water	0.5 to 0.63 ml / L of water	As required. Depending on the size of the tree and plant protection equipment used.	30
Onion	Post-harvest Diseases (Black mold and neck rot)	75+75	375	500	30
Mango	Powdery mildew and Post-Harvest diseases (Anthracnose and Soft rot)	125 + 125 to 150 + 150	625 to 750	750-1000	20
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
Pomegranate	Alternaria fruit spot, Anthracnose	12.5 g/100 L of water	100 ml/100 L of water	As required depending on size of tree	10
Tomato	Early blight, Septoria Leaf spot	100-125	800-1000	500	10
Cucumber	Powdery Mildew	100-125	800-1000	500	10
Chilli	Anthracnose &Powdery Mildew	100-125	800-1000	500	5

Fluxapyroxad 62.5 g/l + Epoxiconazole 62.5 g/L EC					
Rice (Paddy)	Sheath blight	78.12-93.75	625-750	500	33
Fluxapyroxad 250g/l + Pyraclostrobin 250g/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
Onion	Purple blotch	125	250	500	10
Fluxapyroxad 167 g/l + Pyraclostrobin 333 g/l SC					
Cotton	Alternaria leaf	150	300	500	27
Groundnut	Tikka	150	300	500	25
Soybean	Frog eye leaf spot	150	300	500	45
Coffee	Coffee leaf rust	150	500	1000	57
Maize	Tercicum Leaf blight, Common rust	150	300	500	41
Wheat	Rust	150	300	500	55
Cumin	Alternaria blight Powdery Mildew	150 g	300	500	16
Banana	Sigatoka	150 g	300	500	10
Hexaconazole 4% + Carbendazim 16% SC					
Paddy (Rice)	Sheath blight, and Blast	(30+120)	750	400 - 500	40
Grapes	Powdery mildew, Anthracnose	50+200 g	1250 ml	500 l	30

Hexaconazole 5.0% + 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					
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.
Iprodione25%+ Carbendazim25%WP					
Rice (Paddy)	Sheath blight, Blast	250gm	500gm	500lt.	30
Iprovalicarb 5.5% + Propineb 61.25% WP					
Potato	Late Blight	110g + 1225 g	2.0 Kg	500	26
Grapes	Downy Mildew	123.75 g + 1378.13 g	2.25 kg (0.3%)	750	55
Tomato	Early and late blight	123.75 g +1378.13 g To 137.5 g +1531.25 g	2.25 to 2.5 Kg	500	5
Isopyrazam 11.5% w/w + Difenoconazole 11.5% w/w SC					

Rice	Sheath Blight (<i>Rhizoctonia solani</i> , Brown Leaf Spot (<i>Helminthosporium oryzae</i>)	100 (50+50)	400	500	30
Kasugamycin 5% + copper oxychloride 45% WP					
Grapes	Anthracnose, Bacterial leaf spot	375	750	400 – 1000	37 days
Rice (Paddy)	Leaf blast, Neck blast	350	700	375	26 days
Pomegranate	Bacterial blight, leaf spot, Fruit rot and Anthracnose	0.05%	0.1%	500-1000	10 days
Kasugamycin 6 % + Thifluzamide 26% SC w/v					
Paddy	Blast & Sheath blight	18 + 78 -- 20.70 + 89.70	300 - 345	500	17
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, Anthracnose	Kresoxim-methyl- 150 & Chlorothalonil- 560	1000	500	5
Potato	Early blight and Late blight	Kresoxim-methyl- 150 & Chlorothalonil- 560	1000	500	23
Kresoxim-methyl 18% + Mancozeb 54% WP					
Grapes	Powdery mildew, Downy mildew, Anthracnose	270+810	1500	750-1000	5
Tomato	Early blight, Late blight, Fruit rot	250+750	1388	500	7
Mandipropamid 5% w/w + Mancozeb 60 % w/w WG					

Cucumber	Leaf spot, Downy mildew	1.63	2.5	500	5
Mancozeb 63% + Carbendazim 12% WS					
Groundnut	Tikka leaf spot, collar rot, dry root rot	1.88	2.5	----	----
Mancozeb 62.5% + Chlorothalonil 12.5% WG					
Grape	Downy mildew and Anthracnose	218.75+1093.75	1750	1000 at full canopy	07
Potato	Early blight and Late blight	2178.75+1093.75	1750	500	35
Mancozeb 40% + Azoxystrobin 7% OS					
Tomato	Early Blight & light blight	600g+105g	1500 g	500 L	5
Mancozeb 69.7% + Cyazofamid 5.3 % WG					
Grape	Downy mildew and Anthracnose	1045.50+79.50	1500	500 L/ha	21
Potato	Late Blight	1045.50+79.50	1500	500 L/ha	36
Tomato	Late Blight and Alternaria leaf spot	1045.50+79.50	1500	500 L/ha	7
Mancozeb 52.6% + Hexaconazole 2.4% WG					
Paddy	Blast, Sheath blight, Brown spot, Dirty panicle disease	1052+48	2000	500	33
Chilli	Powdery mildew and Fruit rot	1052+48	2000	500	10
Apple	Powdery mildew and Marssonina blotch	0.1052+0.0048	0.20%	As required depending upon crop canopy	20
Mancozeb 68% + Hexaconazole 4% w/w WG					
Rice	Blast, Sheath Blight, Brown spot, Grain discoloration	850 g + 50g	1250 g	500	30
Mancozeb 40% + Tebuconazole 1 % WS					

Groundnut	Collar rot	8 to 10 +0.20 to 0.25	20-25 g/10 kg seed	10 ml for 1 kg seed	-
Mancozeb 50% + Thiophanate methyl 25%WG					
Rice (Paddy)	Sheath blight and Brown leaf spot	750 + 375	1500	500	34
Groundnut	Tikka leaf spot	750 + 375	1500	500	24
Chilli	leaf spot, Fruit rot and Powdery mildew	750 + 375	1500	500	10
Mancozeb 64% + Thiophanate Methyl 12% WP					
Tomato	Late blight, Leaf Spot, Buck eye rot and Ring Rot	1140	1500	1500 750	750 7
Mefentrifluconazole 133 g/l + Fluxapyroxad 89 g/l + Pyraclostrobin 178 g/l SC					
Groundnut	Rust & Tikka	250	625	500	37
	leaf spot				
MetalaxylM 4%+ Mancozeb 64%WP					
Grapes	Downy mildew	0.17% or 1700 gm	0.25% or 2500 gm	500-1000	8
Potato	Late blight	0.17%or 1700 gm	0.25%or 2500gm	500-1000	24
Black pepper	<i>Phytophthora</i> Foot rot	0.17%or 1700gm	0.25%or25 00gm	2 L/vine as foliar spray and 3 L/vine as soil drench	Not less than 21 weeks
Mustard	Downy mildew, White rust	0.17%or 1700gm	0.25% or 2500gm	1000	60
Chilli-nursery (soil drenching)	Damping off	0.20% or 2 g a.i./L water	0.30% or 3 g /L water	2.0 L/m2	53
Pomegranate	Leaf spot & Fruit spot	0.17% or 1.7 g a.i./L water	0.25% or 2.5 g /L water	500 (or depending upon age of tree)	5
Metalaxyl M 3.3%+ Chlorothalonil 33.1% SC					
Potato	Late blight	0.073% or 364 g	0.2% or 1000 ml	500	34

Tomato	Early blight, Late blight	0.073% or 364 g	0.2% or 1000 ml	500	5
Citrus (Soil drench)	Phytopthora disease viz, Foot rot/gummosis, Root rot, Crown rot, Leaf fall and Brown rot	72.8 g a.i./100 lit water	200 ml/100 lit water	5 liter/tree	51
Ginger (Soil drench)	Rhizome rot	72.8 g a.i./100 lit water	200 ml/100 lit water or 2000 ml/ha	1000	193
Metalaxy M 3.9% + Mancozeb 64% WG					
Grapes	Downy Mildew	1697.5	2500	500	60
Potato	Early blight and Late blight	1697.5	2500	500	32
Metalaxy 18%+ Mancozeb 64%WP					
Grapes	Downy mildew	2000gor 0.4%	2500gor 0.5%	500lt.	Not less than7 weeks
Tobacco Nursery	Damping off	3600gor 0.072%	5000gor 0.1%	1000lt.	Not less than7 weeks
	Leaf blight/ Black Shank (Soil drench at sowing and sprayat30days after sowing)	1440gor 0.14%	2000gor 0.2%	1000lt.	Not less than7 weeks
Potato	Late blight	1800gm or0.18%	2500gmor 0.25%	1000lt.	Not less than7 weeks
Mustard	White rust and Alternaria blight	1800gm or0.18%	2500gmor 0.25%	1000lt.	Not less than8 weeks

Black Pepper	Phytophthora foot rot	1.8ga.i/vine or0.09%	2.5gm/vine or0.125%	2lt./vine (spraying) 5lt./vine (soil drenching)	Not less than21 weeks
Pearl millet	Downy mildew	1440gm or0.28%	2000gm or 0.4%	500lt.	Not less than7 weeks

Metiram 44% + Dimethomorph 9% WG

Grapes	Downy mildew	1325	2500	1000	10
Cucumber	Downy mildew	1325	2500	500	24

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	Anthracnose	900-1050	1500-1750	500	5
Onion	Purple blotch	900-1050	1500-1750	500	16
Cotton	Alternaria leaf spot	900-1050	1500-1750	500	45
Apple	Premature leaf fall disease & Alternaria leaf spot and blight	1050g/ha	1750	100g/100lt	12
Pomegranate	Fruit spot	900-1050	1500-1750	500	67
Blackgram	Leafspot 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

Oxathiapiprolin 2.77% w/w + Mandipropamid 23.08% w/w SC

Grapes	Downy mildew(<i>Plasmopara viticola</i>)	196 (Oxathiapiprolin 21 + Mandipropamid 175)	700 ml	1000	43
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		
Bengal gram	Seed and Seedling rot disease	12.32+12.32-15.4+15.4	80 – 100		
Rice	Brown leaf spot, Sheath blight, Leaf blast	1.84 + 1.84 - 2.15 + 2.15	12 – 14 ml	Method of application For direct seeded Rice- Seeds are soaked in water for overnight and water is drained out. These water soaked seeds are stored in shade for pre-germination. Prepare total slurry volume 16 ml with appropriate quantity of the formulation and water for treating 1 kg of rice seed. Seed can be treated by mixing the proper amount of the slurry and seed on a polythene bag or appropriate seed treatment equipment until each seed is uniformly coated. The treated seeds should be dried in shade. For Nursery-prepare total slurry volume 32 ml with appropriate	

				quantity of the formulation and water for treating 1 kg of rice seed. Seed can be treated by mixing the proper amount of the slurry and seed on a polythene bag. The treated seeds should be dried in shade.	
--	--	--	--	--	--

Picoxystrobin 7.05% + Propiconazole 11.7% SC

Paddy (Rice)	Sheath blight, (<i>Rhizoctonia solani</i>) False smut, (<i>Ustilaginoidea virens</i>) Dirty Panicle	200	1000	500	24
Wheat	Yellow Rust (<i>Puccinia striiformis sp. tritici</i>)	200	1000	500	52
Soybean	Alternaria leaf spot (<i>Alternaria spp.</i>) & Frog eye leaf spot (<i>Cercospora sojina</i>),	200	1000	500	32
Onion	Purple Blotch (<i>Alternaria porii</i>)	200	1000	500	30

Picoxystrobin 6.78% + Tricyclazole 20.33 %w/w SC

Paddy (Rice)	Leaf Blast & Neck Blast	300	1000	500	29
Chilli	Anthracnose, Wet rot, Powdery mildew	300	1000	500	3

Prochloraz 34.8% + Propiconazole 7.8% w/w EC

Rice	Grain discoloration (Fungal complex)	400.0 + 90.0	1000	500	15
------	--------------------------------------	--------------	------	-----	----

	i.e. <i>Curvularia</i> sp., <i>Sarocladium oryzae</i> , <i>Phoma</i> sp., <i>Microdochium</i> spp., <i>Nigrosporasp.</i> , <i>Fusarium</i> sp., etc.)				
Groundnut	Early leaf spot (<i>Cercospora arachidicola</i>), Late leaf spot (<i>Phaeoisariopsis personata</i>) & Rust (<i>Puccinia arachidis</i>)	300.0 + 67.5	750	500	19
Prochloraz 23.5% + Tricyclazole 20.0% w/w SE					
Rice	Blast disease	235+200	1000	500	28
Prochloraz 24.4% + Tebuconazole 12.1% w/w EW					
Chilli	Fruit rot, Die-back & Powdery mildew	267+133	1000	500	5
Prochloraz 5.7% + Tebuconazole 1.4% w/w ES					
Chickpea	Root rot (<i>Rhizoctonia solani</i>), Wilt (<i>Fusarium</i> spp.)	0.18+ 0.045	3.0 ml/10 kg seeds	-	Seed dresser
Groundnut	Stem rot (<i>Sclerotium rolfsii</i>), Collar rot (<i>Aspergillus niger</i>), Root rot (<i>Rhizoctonia bataticola</i>)	0.18+ 0.045	3.0 ml/10 kg seeds	-	Seed dresser
Propineb 70.0% + Cymoxanil 6.0% WP					
Grape	Downey Mildew and Anthracnose	1400+120 to 1575+135	2000-2250	500	10
Potato	Early and Late Blight	1400+120 to 1575+135	2000-2250	500	At the end of harvest

Propiconazole 13.9% + Difenoconazole 13.9% EC					
Paddy	Sheath blight, dirty panicle	0.02% - 0.03%	(0.07-0.1%) 0.7-1.0ml/L	500	46
Black gram	Powdery Mildew and Leaf Spot	150	500	500	28
Soybean	Leaf spot and Rust	150	500	500	30
Mango	Powdery Mildew and Anthracnose	300	1000	500	10
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
Pydiflumetofen 6.89% + Difenoconazole 11.49% w/w SC					
Grape	Powdery mildew, Anthracnose	100 (37.50+62.50)	500	1000	10
Chilli	Powdery mildew Leaf spot Fruit rot Die back	100 (37.50+62.50)	500	500	5
Tomato	Early blight, Powdery mildew	100 (37.50+62.50)	500	500	5
Groundnut	Tikka Leaf spot, Rust	60 (22.50+37.50)	300	500	47
Pymetrozine 25.0% + Thiamethoxam 17.5% + Hexaconazole 12.5% WG					
Paddy	Sheath Blight, Leaf	100 + 70 + 50	400	500	19
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

Pyraclostrobin 10% + Fipronil 5% SC

Rice	Sheath Blight and Leaf Blight	50+100	1000	500	53
Chilli	Powdery Mildew, Anthracnose/Fruit rot	50+100	1000	500	7

Pyraclostrobin 10% + Thifluzamide 10% w/v SC

Rice	Sheath Blight, Leaf blast	80 + 80 to 90 + 90	800-900	500	18
------	---------------------------	--------------------	---------	-----	----

Pyraclostrobin 3.5% + Thiram 15% + Clothianidin 22.5% FS

Groundnut	Collar rot, Stem rot	2.45+10.50+15.7 5 gms	70 ml	-	Seed Treatment
-----------	----------------------	-----------------------	-------	---	----------------

Sedaxane 12.61% w/w + Azoxystrobin 3.15% w/w + Thiamethoxam 22.06% w/w

Rice	Sheath Blight Leaf Blast, Brown spot	1.35 (g/kg seed) (Sedaxane-0.45 Azoxystrobin - 0.11 Thiamethoxam - 0.79)	3.00 (ml/kg seed)	8-10 (For Pre-soaked seeds) (ml/kg seed) 15-20 (For dry seeds) (ml/kg seed)	Use as a seed treatment, hence waiting period is not applicable
------	--------------------------------------	---	-------------------	---	---

Sedaxane 15.27% w/w + Fludioxonil 7.64% w/w + Metalaxyl-M 3.06%w/w FS

Maize	Seedling rot, Seedling wilt and Seedling blight	0.09 (Sedaxane 0.053 + Fludioxonil 0.026 + Metalaxyl-M 0.011)	0.3	10 ml/kg seed	This is used as seed treatment, which is done at
-------	---	---	-----	---------------	--

					the time of sowing, hence waiting period is not applicable
Sedaxane 2.5% w/v + Fludioxonil 2.5% w/v + Thiamethoxam 26.25% w/v FS					
Cotton	Fungal wilt, Root rot	1.25 (0.1 + 0.1 + 1.05)	4.0	10	-
Wheat	Loose smut, karnal bunt	0.32 (0.026 +0.026+ 0.27)- 0.63(0.05+ 0.05+0.53)	1.0-2.0	10	-
Sedaxane 3.70% w/w + Fludioxonil 4.63% w/w FS					
Potato	Black scurf (Rhizoctonia solani)	0.036-0.045 a.i gm/kg seed	0.40-0.50 ml/kg seed	2-3	-
Sulphur 58.5% w/w (84% w/v) + Azoxystrobin 4.2% w/w (6% w/v) SC					
Grape	Powdery mildew, Anthracnose	1680+120	2000	1000	5
Chilli	Powdery mildew, Anthracnose	1680+120	2000	500	5
Tebuconazole10%+Sulphur65%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
Groundnut	Tikka disease	(125 + 812.5) – 937.5 g	1250 g	500	31
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
Cumin	Alternaria Blight & Powdery mildew	175+87.5	350	500	32
Okra	Powdery mildew	150 + 75 To 175 + 87.5	300 to 350	500	3
Coffee	Rust	150+75	300	1000	11
Onion	Purple blotch	150+75	300	500	29
Brinjal	Leaf spot (<i>Alternaria</i> <i>Sp.</i> , and <i>Cercospora</i> <i>sp.</i>)	175 + 87.5 g	350 g	500 L	5
Maize	Leaf Blight	175+87.5 g	350 g	500	15
Wheat	Blast like disease	150+75	300	300-500	40
Green pea	Powdery mildew	175+87.5	350	500	10

Tebuconazole 15% + Zineb 57% WDG

Paddy	Sheath blight, brown leaf spot, blast and dirty panicle	187.5 + 712.5	1250	500	21
Chilli	Powdery mildew, leaf spot, <i>Choanephora</i> blight and Anthracnose fruit rot	187.5 + 712.5	1250	500	28
Potato	Black scurf (<i>Rhizoctonias pp</i>)	10g/100 kg tuber	20/100 kg seed tuber	Sufficient to coat the seeds uniformly	NA Seed dresser
Chickpea	Wilt (<i>Fusarium</i> <i>oxysporum</i>) Root rot (<i>Rhizoctonia</i> spp.)	2.0	4.0	Sufficient to coat the seeds uniformly	NA Seed dresser

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/ 1 of water	10 L/tree	10
Thifluzamide 15% + Difenoconazole 20% SC					
Paddy	Sheath blight, Brown spot, False smut and Grain discoloration	37.5 + 50	250	500	27
Thifluzamide 9% + Difenoconazole 6% + Validamycin 3% SC					
Paddy	Blast and Sheath blight	90.0+60.0+30.0	1000	500	17
Thiophanate methyl 38% + Kasugamycin 2.21% SC					
Tomato	Powdery mildew & Bacterial leaf spot	402.1-502.6	1000- 1250	375-500	07
Thiophanate Methyl 44.8%+ Kasugamycin 26%SC					
Potato	Black scurf	1.568+0.091	3.5 ml/10 kg of potato tuber seed	200 ml/ 10 kg of potato tuber seed	Used as seed treatment
Thiophanate methyl 450 g/l + Pyraclostrobin 50 g/l FS					
Garlic	Fusarium spp	10 g	20 ml	Sufficient to coat the seeds uniformly	NA (Seed Dresser)
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
-----------------	---	------------------	------------	-----	----

Trifloxystrobin 10% +Difenconazole 12.5%+Sulfur 3% SC

Tomato	Early and Late Blight	45 + 56.25 + 13.5	450	500	14
--------	--------------------------	-------------------	-----	-----	----

Trifloxystrobin 6% +Thiophanate Methyl 9.5%+Thaimethoxam 24% FS

Okra	Damping off (<i>Rhizoctonia solani</i>)	0.36+0.57+1.44	6 ml/kg seed	-	-
------	--	----------------	--------------	---	---

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
-------	------------	------	-----	--	----

Validamycin 2.8 % + Propiconazole 6% EW

Rice	Rice Sheath blight (<i>Rhizoctonia solani</i>) & Brown spot (<i>Helminthosporium oryzae</i>)	(56+120)	2000	375-500	17
------	---	----------	------	---------	----

Validamycin5%+Tebuconazole15%SC

Rice	Sheath blight (<i>Rhizoctonia solani</i>) and Blast (<i>Pyricularia oryzae</i>) of Rice	50+150 g	1000	500	47
------	---	----------	------	-----	----

Valifenalate 6% + Mancozeb 60% WG

Tomato	Early blight & Late blight	120+ 1200 to 150 + 1500	2000 to 2500	500	5 days
Potato	Late blight	120+ 1200 to 150 + 1500	2000 to 2500	500	20 days
Grape	Downy mildew	120 + 1200	2000	750	14 days

* 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.****