

Approved uses of registered insecticides (Crop based)

Crop	Insecticide	Common name of the pest	Dosage / ha a.i (gm)	Formulation (gm/ml)	Spray fluid (Liter)
Apple	Bifenthrin 8 SC	Mites	60	7.5ml/lit	10 lit/tree
	Carbofuran 3 CG	Woolly aphid	5/tree	166/tree	–
	Chlorpyrifos 20 EC	Aphid	0.0005	3750-5000	1500-2000
	Dimethoate 30 EC	Stem borer	0.0003	1485-1980	1500-2000
	Fenazaquin 10 EC	Red spider mite and two spotted mite	40	400	1000
	Hexythiazox 5.45 W/W EC	European Red Mite	0.00002	0.0004	10ltr./tree
	Malathion 50 EC	Sanjose scale, Woolly aphid	0.0005	1500-2000	1500-2000
	Oxydemeton – Methyl 25 EC	Sanjose scale	0.0007	4200-5600	1500-2000
		Woolly Aphid	0.00025	1500-2000	1500-2000
	Phorate 10 CG	Woolly aphid	10- 15/ plant	100-150gm/ plant	–
	Propargite 57 EC	European red Mite, Two spotted mite	2.85-5.7 /tree	5-10 ml/tree	10 lit/tree
	Quinalphos 25 EC	Woolly Aphid	0.0005	3000-4000	500-1000
	Spiromesifen 22.9 SC	European Red Mite & Red Spider mite	72(0.03)	300	1000
	Thiacloprid 21.7 SC	Thrips	0.01- 0.012	0.04-0.05	As per size of tree
Apricot	Dimethoate 30 EC	Aphid	0.0003	1485-1980	1500-2000
Bajra	Carbofuran 3 CG	Shoot fly	1500	50000	–
	Dimethoate 30 EC	Milky weed bug	180-200	594-660	500-1000
	Phorate 10 CG	Shoot fly	3000	30000	–
		White grub	2500	25000	–
Banana	Carbofuran 3 CG	Rhizome weevil	1 g/ suckers	33g/sucker	–
		Aphid	50g/suckers	166g/sucker	–

		Nematode	1.5g/suckers	50g/suckers	–
	Dimethoate 30 EC	Aphid, Lace wing bug	0.0003	1485-1980	1500-2000
	Oxydemeton – Methyl 25 EC	Tingyi bug	0.00025	1500-2000	1500-2000
		Aphids	0.0005	3000-4000	1500-2000
	Phorate 10 CG	Aphid	2.5 -1.25/ plant	25 -12.5/ plant	–
	Quinalphos 25 EC	Tingid bug	0.0005	3000-4000	500-1000
Barely	Phosalone 35 EC	Aphid	500	1428	500-1000
	Carbofuran 3 CG	Aphid	1000	33300	–
		Jassid	1250	41600	–
		Cyst nematode	1000	33300	–
	Phorate 10 CG	Aphid	1000	10000	–
Beans	Chlorpyrifos 20 EC	Pod borer , Black bug	600	3000	500-1000
Bengal gram	Chlorantraniliprole 18.5 SC	Pod borers	25	125	500
	Chlorpyrifos 1.5 DP	<i>Helicoverpa armigera</i>	375	25000	–
	Azadirachtin 0.03 (300 PPM)	Pod Borer	–	–	–
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Heliiothis	–	0.75 kg.	500-750
	<i>Beauveria bassiana</i> 1 WP	Pod borer	–	3 kg/ha	500
	Chlorpyrifos 20 EC	Cut worm	500	2500	500-1000
	Emamectin Benzoate 5 SG	Pod borer	11	220	500
	Ethion 50 EC	Pod borer	500-750	1000-1500	500-1000
	Lambda-Cyhalothrin 5 EC	Pod borer	25	500	300-400
	Novaluron 10 EC	Pod borer	75	750	500
	NPV of <i>Helicoverpa armigera</i> 0.5 AS	Pod borer	–	250	500
	NPV of <i>Helicoverpa armigera</i> 2.0 AS	Pod borer (<i>Helicoverpa armigera</i>)	–	250-500 ml	500-750
	NPV of <i>Helicoverpa armigera</i> 2.0 AS	Pod borer	–	250-500	500-750
	Quinalphos 1.5 DP	Pod borer	350	23300	At pod formation
Quinalphos 25 EC	Pod borer	250	1000	500-1000	
Ber	Chlorpyrifos 20 EC	Leaf hopper	0.0003	2250-3000	1500-2000
Bhendi	Azadirachtin 5 W/W	Leafhopper, whitefly, Aphid, Pod	–	200	400

		Borer			
	Carbaryl 5 D.P.	Jassid	1000	20000	–
	Carbaryl 10 D.P.	Fruit borer, Jassids	2500	25000	–
	Carbaryl 50 WP	Fruit Borer	1000	2000	500-1000
	Carbofuran 3 CG	Jassids	1000	33300	–
	Cypermethrin 25 EC	Shoot & fruit borer, Jassids	37-50	150-200	500
	Deltamethrin 2.8 EC	Shoot & fruit borer	10-15	400-600	400-600
		Jassid	10	400	400-600
	Dimethoate 30 EC	Aphid	700	2310	500-1000
		Leaf hopper, Jassid	600	1980	500-1000
	Lambda-Cyhalothrin 5 EC	Jassids, shoot borer	15	300	300-400
	Malathion 50 EC	Aphid	500	1000	500-1000
		Jassids	625	1250	500-1000
		Spotted Bollworm	750	1500	500-1000
	Oxydemeton – Methyl 25 EC	White fly	250	1000	500-1000
		Jassid / Leaf beetle	400	1600	500-1000
	Quinalphos 25 EC	Fruit borer	200	800	500-1000
		Leaf hopper, Mite	250	1000	500-1000
	<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Fruit borer (<i>Earias</i> spp.)	–	1.0-1.5	500
Bitter gourd	Chlorantraniliprole 18.5 SC	Fruit borers & Caterpillars	20-25	100-125	500
Black gram	Thiodicarb 75 WP	Pod borer	468-562	625-750	375-500
	Chlorantraniliprole 18.5 SC	Pod borers	20	100	500
	Flubendiamide 39.35 M/M SC	Fruit borer	48	100	500
	Lufenuron 5.4 EC	Pod borer	30	600	500
	Monocrotophos 36 SL	Pod borer	250	625	500-1000
	Phorate 10 CG	Stem fly, White fly	1000	10000	–
	Quinalphos 25 EC	Bihar hairy Caterpillar	375	1500	500-1000
	Methyl parathion 2 DP	Pod borer	500	25000	–
Bottle & bitter gourd	Dicofol 18.5 EC	Red Spider mite	250-500	1350-2700	500-1000
Brinjal	Azadirachtin 1 (10000 PPM)	Fruit and Shoot borer	–	1000-1500	500

Azadirachtin 0.03 (300 PPM)	Shoot & Fruit borer, beetles	_	2500-5000	500-1000
Carbaryl 50 WP	Fruit Borer, Jassids	1000	2000	500-1000
Carbofuran 3 CG	Root knot nematode	2000	66600	_
	Reniform nematode	2000	66600	_
Chlorantraniliprole 18.5 SC	Shoot & Fruit borer	40	200	500-750
Cypermethrin 0.25 DP	Fruit & shoot borer	50-60	20000-24000	_
Cypermethrin 10 EC	Fruit & shoot borer	50-70	550-760	150-400
Cypermethrin 25 EC	Shoot & fruit borer, Jassids, <i>Epilachna</i> grub	37-50	150-200	500
Deltamethrin 2.8 EC	Shoot & Fruit Borer	10-12.5	400-500	500
Dicofol 18.5 EC	Yellow mite	500-1000	2700-5400	500-1000
Diafenthiuron 50WP	Whitefly	300	600	500-750
Dimethoate 30 EC	Shoot borer	200	660	500-1000
Emamectin Benzoate 5 SG	Fruit and Shoot borer	10	200	500
Etoxazole 10 SC	Red Spider Mite	40	400	400-500
Fenazaquin 10 EC	Red spider mite	125	1250	500
Fenpropathrin 30 EC	Whitefly, Shoot and Fruit borer, Mites	75-100	250-340	750-1000
Fenvalerate 20 EC	Shoot & fruit borer, Aphids	75-100	375-500	600-800
Flumite 20 SC / Flufenzine 20SC	Mite	80-100	400-500	500-1000
Lambda-Cyhalothrin 4.9 CS	Shoot & fruit borer	15	300	500
Lambda-Cyhalothrin 5 EC	Shoot & fruit borer	15	300	400-600
Malathion 50 EC	Mites	750	1500	500-1000
Phorate 10 CG	Aphid, Jassids, Lace wing bug, Red spider mite	1500	15000	_
	Thrips	1000	10000	_
Phosalone 35 EC	Fruit borer	500	1428	500-1000
Phosphamidon 40 SL	Jassid, Aphid, White fly	250-300	625-750	500
Propargite 57 EC	Two spotted spider mite	570	1000	400
Spiromesifen 22.9 SC	Red spider mite	96	400	

					500
	Thiacloprid 21.7 SC	Shoot & fruit borer	180	750	500
	Thiodicarb 75 WP	Shoot & Fruit borer	470 to 750	625 to 1000	500
	Thiamethoxam 25 WG	White flies	50	200	500
	Thiometon 25EC	Aphid & Jassid, Fruit and Shoot borer	250	1000	750-1000
	Chlorpyrifos 20 EC	Shoot & fruit borer	200	1000	500-1000
Cabbage	Acetamiprid 20 SP	Aphids	15	75	500-600
	Azadirachtin 0.03 (300 PPM)	Aphids, DBM, Cabbage worm, Cabbage looper	-	2500-5000	500-1000
	<i>Beauveria bassiana</i> 10 SC	DBM	1-1.5	-	500-750
	Carbaryl 5 D.P.	Cabbage borer	600	20000	-
	Carbaryl 10 D.P.	Diamond back moth, Army worm	2500	25000	-
	Carbaryl 50 WP	Cabbage Borer	800	1600	500-1000
	Carbofuran 3 CG	Nematode	1000	50000	-
	Chlorantraniliprole 18.5 SC	Diamond back moth	10	50	500
	Chlorfenapyr 10 SC	Diamond back moth	75-100	750-1000	500
	Chlorfluazuron 5.4 EC	Diamond back moth, Tobacco leaf eating caterpillar	75	1500	500
	Chlorpyrifos 20 EC	Diamond back moth	400	2000	500-1000
	Cyantraniliprole 10.26 OD	Cabbage Aphid- <i>Brevicoryne brassicae</i> , Mustard Aphid- <i>Lipaphis erysimi</i> , Diamond back moth- <i>Plutella xylostella</i> , Tobacco caterpillar- <i>Spodoptera litura</i>	60	600	500
	Cypermethrin 10 EC	Diamond backmoth	60-70	650-760	100-400
	Diafenthiuron 50WP	Diamond Back Moth	300	600	500-750
	Emamectin Benzoate 5 SG	DBM	7.5-10	150-200	500
	Fipronil 5 SC	Diamond back moth	40-50	800-1000	500
	Flubendiamide 20 WG	Diamond back moth	18.24	37.5-50	375-500
Flubendiamide 39.35 M/M SC	Diamond moth back	18.24	37.5-50	375-500	
Indoxacarb 14.5 SC	Diamond back moth	30-40	200-266	400-750	

	Indoxacarb 15.8 EC	Diamond back moth	40	266	500-1000
	Lufenuron 5.4 EC	Diamond back moth	30	600	500
	Malathion 50 EC	Mustard aphid	750	1500	500-1000
	Metaflumizone 22 SC	Diamond back moth	165-220	750-1000	500
	Novaluron 10 EC	Diamond back moth	75	750	500-1000
	Phosalone 35 EC	Aphid	500	1428	500-1000
	Pyridalyl 10 EC	Diamond back moth	50-75	500-750	500-750
	Thiodicarb 75 WP	Diamond back moth	750 to 1000	1000 to 1330	500
	Tolfenpyrad 15 EC	Diamond Back moth, Aphids	150	1000	500
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Diamond back moth	25.00-50.00	500-1000	500-1000
Cabbage & Cauliflower	Dimethoate 30 EC	Aphid , Painted bug, Mustard aphid	200	660	500-1000
	Spinosad 2.5 SC	Diamond back moth	15.0-17.5	600-700	500
	<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Diamond back moth (<i>Plutella xylostella</i>)	-	0.6-1.0	500
Cardamom	Diafenthiuron 50WP	Thrips, Capsule borer	400	800	1000
	Monocrotophos 36 SL	Thrips	375	937	500-1000
	Quinalphos 25 EC	Thrips	0.0003	600-1200	500-1000
Cashew	Dichlorvos 76 EC	Apple borer	0.0005	940-1253	1500-2000
Castor	Dimethoate 30 EC	Jassids, Mites	250	825	500-1000
		Semi looper	350	1155	500-1000
	Malathion 50 EC	Jassids	750	1500	500-1000
		Semi looper	1000	2000	500-1000
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Hairy caterpillar, <i>Ahea janata</i>	-	1.00 kg.	500-750
Dichlorvos 76 EC	Hairy caterpillar	625	783	500-1000	
Cauliflower	Azadirachtin 5 W/W	<i>Spodoptera</i> , Diamond back moth, Aphids	-	200	400
	Carbaryl 5 D.P.	Cabbage borer	600	12000	-
	Carbaryl 50 WP	Cabbage borer	800	1600	500-1000
	Fenvalerate 20 EC	Diamond back moth , American boll worm, Aphids, Jassids	60-75	300-375	600-750
	Lufenuron 5.4 EC	Diamond backmoth	30	600	500

	Malathion 50 EC	Head borer	750	1500	500-1000
	Phorate 10 CG	Aphid	2000	20000	—
	Quinalphos 25 EC	Stem borer	500	2000	500-1000
Chilli	Acetamiprid 20 SP	Thrips	10 to 20	50-100	500-600
	Carbosulfan 25 EC	Leaf folder	200-250	800-1000	500-1000
		White aphid	200-250	800-1000	500-1000
	Chlorantraniliprole 18.5 SC	Fruit borer	30	150	500
	Chlorfenapyr 10 SC	Mites	75-100	750-1000	500
	Cyantraniliprole 10.26 OD	Thrips- <i>Scirtothrips dorsalis</i> , Fruit borer- <i>Helicoverpa armigera</i> , Tobacco caterpillar- <i>Spodoptera litura</i>	60	600	500
	Deltamethrin 2.8 EC	Fruit borer	10-12.5	400-500	400-600
	Diafenthiuron 50WP	Mites	300	600	500-750
	Emamectin Benzoate 5 SG	Fruit borer, Thrips & Mites	10	200	500
	Ethion 50 EC	Mites & thrips	750-1000	1500-2000	500-1000
	Fenazaquin 10 EC	Yellow mite	125	1250	400-600
	Fenpropathrin 30 EC	Thrips, Whitefly, Mites	75-100	250-340	750-1000
	Fenpyroximate 5 EC	Yellow mite	15-30	300-600	300-500
	Flubendiamide 39.35 M/M SC	Fruit borer	48-60	100-125	500
	Hexythiazox 5.45 W/W EC	Yellow mites	15-25	300-500	625/ha
	Lambda-Cyhalothrin 4.9 CS	Thrips & pod borer	25	500	500
	Lambda-Cyhalothrin 5 EC	Thrips , mite, pod borer	15	300	400-600
	Lufenuron 5.4 EC	Fruit borer	30	600	500
	Methomyl 40 SP	Pod borers & Thrips	300-400	750-1125	500-1000
	Milbemectin 1 EC	Yellow /white mite	3.25	325	500
	Novaluron 10 EC	Fruit borer, Tobacco, Caterpillar	33.5	375	500
	Oxydemeton – Methyl 25 EC	Aphid	400	1600	500-1000
		Mites	500	2000	500-1000
Thrips		250	1000	500-1000	
Spiromesifen 22.9 SC	Chilli Yellow Mite	96	400	500 -750	

	Thiacloprid 21.7 SC	Thrips	54-72	225-300	500
	Thiodicarb 75 WP	Fruit borer	470 to 750	626 to 1000	500
	Thiamethoxam 30 FS	Thrips	2.1	7	–
	Buprofezin 25 SC	Yellow Mite	75-150	300-600	500-750
	Carbaryl 50 WP	Thrips	1000	2000	500-1000
	Carbofuran 3 CG	Aphid , Thrips	1000	33300	–
	Dimethoate 30 EC	Mite	300	990	500-1000
	Fipronil 5 SC	Thrips, Aphids, Fruit borers	40-50	800-1000	500
	Imidacloprid 70 WS per 100 kg seed	Jassid, Aphid, Thrips	700 – 1050	1000 – 1500	–
	Indoxacarb 14.5 SC	Fruit borer	50-60	333-400	300-600
	Phorate 10 CG	Aphid , Mite, Thrips	1000	10000	–
	Propargite 57 EC	Mite	850	1500	500-625
	Quinalphos 25 GEL	Aphid,	250	1000	500-1000
	Quinalphos 25 EC	Aphid	250	1000	500-1000
		Mite	375	1500	500-1000
	Quinalphos 1.5 DP	Aphid	300	20000	–
	Spinosad 45.0 SC	Fruit borer, Thrips	73	160	500
	<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Fruit borer (<i>Spodoptera litura</i>)	–	1.5-2.0	1000
	Imidacloprid 17.8 SL	Jassid, Aphid, Thrips	25 – 50	125-250	500-700
Citrus	Carbofuran 3 CG	Nematode	360	12000	–
		Leaf miner	1500	50000	–
	Dimethoate 30 EC	Black citrus aphid	0.0003	1485-1980	1500-2000
	Imidacloprid 17.8 SL	Leaf miner, psylla	10	50	Depending on size of tree & Protection equipment used
	Monocrotophos 36 SL	Black aphids	0.0004	1500-2000	500-2000
		Mite	0.00025	937-1250	500-2000
	Phorate 10 CG	Leaf miner	1500	15000	–
	Quinalphos 25 EC	Scale	0.0007	4200-5600	500-1000

		Citrus butterfly	0.00025	1500-2000	500-1000
	Thiamethoxam 25 WG	Psylla	25	100	1000
	<i>Verticillium lecanii</i> 1.15 WP	Mealy bug	–	2.5kg	500-550 L
	Chlorpyrifos 20 EC	Black citrus, Aphid	0.0002	1500-2000	1500-2000
	Dicofol 18.5 EC	Red Spider mite	0.0005	2700-4050	1000-5000
Coconut	Fenpyroximate 5 EC	Eriophyde mite	0.5gm/tree (Root feeding) 0.056 – 0.075gm/tree	10ml/lit 0.75 – 1ml/ lit.	As required
	Monocrotophos 36 SL	Black headed Caterpillar	3.5 -7gm per tree	8.75-17.5ml per tree	–
Coffee	Monocrotophos 36 SL	Green bug	625	1562	500-1000
	Oxydemeton – Methyl 25 EC	Green bug	625	2500	500-1000
	Oxydemeton – Methyl 25 EC	Leaf miner	1000	4000	500-1000
Cotton	Acephate 75 SP	Jassids	292	390	500-1000
		Boll Worms	584	780	500-1000
	Acetamiprid 20 SP	Aphids, Jassids	10	50	500-600
		Whiteflies	20	100	500-600
	Alphacypermethrin 10 EC	Boll Worms	15-25	165-280	600-1000
	Azadirachtin 0.15 W/W	White fly, Bollworm	–	2500 - 5000	500-1000
	Azadirachtin 0.3 (3000 PPM)	American bollworm	–	4000	1000
	Azadirachtin 0.03	Bollworm, Aphids	–	2500-5000	500
	Azadirachtin 0.03 (300 PPM)	Aphids, Jassids, White Flies, Bollworms	–	2500-5000	500-1000
	Azadirachtin 5 W/W	White Fly, Leaf hoppers, <i>H.armigera</i> , Aphids	–	375	750
	Beta Cyfluthrin 2.45 SC	Bollworm	12.5-18.75	–	500-1000
	<i>Beauveria bassiana</i> 1.15 W.P.	Bollworm	–	2000	400
	Bifenthrin 10 EC	Bollworm, White Fly	80	800	500
	Buprofezin 25 SC	White Fly Aphids, Jassids, Thrips	250	1000	500-750
Carbaryl 5 D.P.	Spotted bollworm, American bollworm, Pink Bollworm	1000	20000	–	

Carbaryl 10 D.P.	Aphid, American bollworm, Stem weevil Thrips	2500	25000	-
Carbaryl 50 WP	Aphids, Jassids, Thrips, Leaf Roller, Spotted Bollworm, Pink Bollworm, American Bollworm	1000	2000	500-1000
Carbaryl 85 W.P.	Pink bollworm, Spotted bollworm, Thrips, White fly	1200	1411	500-1000
Carbosulfan 25 DS	Jassid, Aphids and Thrips	15 gm/kg seed	60gm/kg seed	Not required
Chlorantraniliprole 18.5 SC	American bollworm, Tobacco caterpillar, Spotted bollworm	30	150	500
Chlorfluazuron 5.4 EC	American bollworm, Tobacco leaf eating caterpillar	75-100	1500-2000	500
Chlorpyrifos 20 EC	Aphid, Bollworm , White fly	250	1250	500-1000
	Cut worm	750	3750	-
Chlorpyrifos 50 EC	Bollworms	500-600	1000-1200	500-1000
Clothianidin 50 WDG	Jassids	15-20	30-40	500
	White fly	20-25	40-50	500
Cypermethrin 10 EC	Spotted bollworm, American bollworm, Pink bollworm	50-70	550-760	150-1000
Cypermethrin 25 EC	Bollworms	40-70	160-280	400-800
	Jassids, Thrips	20-30	80-120	200-300
Deltamethrin 11 W/W EC	Bollworms	12.5	125	400-600
Deltamethrin 25 Tablet	Bollworms	12.5	50	400-600
Deltamethrin 1.8 EC	Bollworms	12.5	781	400-600
	sucking insects	10	625	400-600
Deltamethrin 2.8 EC	Bollworm,	12.5	500	400-600
	Sucking Insects	10	400	400-600
Dicofol 18.5 EC	Red Spider mite	500-1000	2700-5400	500-1000
Diafenthiuron 50WP	Whiteflies, Aphids, Thrips, Jassids	300	600	500-1000
Diflubenzuron 25 WP	Tobacco Caterpillar	75-87.5	300-350	500-1000
	Bollworms	75	300	500-1000

Dinotefuran 20 SG	White Fly, Jassids, Aphids & Thrips	25-30	125-150	500
Emamectin Benzoate 5 SG	Boll worms	9.5-11.0	190-220	500
Emamectin Benzoate 1.9 EC	Boll worms	11	580	500
Ethion 50 EC	White fly,	750-1000	1500-2000	500-1000
Ethion 50 EC	Bollworms	1000	2000	500-1000
Fenpropathrin 10 EC	Pink boll worm, Spotted boll worm , American boll worm	75-100	750-1000	750-1000
Fenpropathrin 30 EC	Pink boll worm, Spotted boll worm , American boll worm, whitefly	75-100	250-340	750-1000
Fenvalerate 20 EC	Boll worm	75-100	375-500	700-900
	Aphids, Jassids, Thrips	25-40	125-200	250-400
Fenvalerate 2 CONC.	Spotted & Spiny, Pink American/Egyptian boll worm	80-100	4000-5000	-
Fenvalerate 0.4 DP	Spotted bollworm ,Pink bollworm	80-100	20000-25000	-
Fipronil 5 SC	Aphid, Jassid, Thrips, White fly	75-100	1500-2000	500
	Boll worms	100	2000	500
Fonicamid 50 WG	Aphids, Jassids, Thrips & Whiteflies	75	150	500
Flubendiamide 20 WG	American bollworm	50	250	500
Flubendiamide 39.35 M/M SC	Bollworms (American & Spotted bollworm)	48-60	100-125	375-500
Fluvalinate 25 EC	Aphids, Jassids, Red cotton bug, Bollworm	50-100	200-400	500-1000
Imidaclopride 70 WG	Jassids, Aphids, Thrips	21 – 24.5	30 – 35	375 – 500
Imidacloprid 48 FS per 100 kg seed	Aphids,Whitefly, Jassids, Thrips	300 – 540	500 – 900	-
Imidacloprid 70 WS per 100 kg seed	Aphids, Whitefly, Jassids, Thrips	350 – 700	500 – 1000	-
Imidacloprid 30.5 M/M SC	Aphid, Jassids, Thrips	21-26.25	60-75	500 – 750
Imidacloprid 17.8 SL	Aphid, Whitefly, Jassid Thrips	20 – 25	100 – 125	500 – 700
Indoxacarb 14.5 SC	Bollworm	75	500	600-1000
Indoxacarb 15.8 EC	Bollworm	75	500	500-1000
Lambda-Cyhalothrin 4.9 CS	Bollworms	25	500	500
Lambda-Cyhalothrin 2.5 EC	Bollworms, Jassids, Thrips	15-25	600-1000	400-600

Lambda-Cyhalothrin 5 EC	Bollworms, Jassids, Thrips	15-25	300-500	400-600
Lufenuron 5.4 EC	American bollworm	30	600	500-750
Methomyl 40 SP	Bollworm	300-450	750-1125	500-1000
Methyl Parathion 2 DP	Aphid	300	15000	–
	Leaf hopper, Thrips	500	25000	–
Methyl Parathion 50 EC	Aphid	500	1000	500-1000
	Leaf hopper	250	500	500-1000
	Thrips	500	1000	500-1000
Monocrotophos 36 SL	Bollworms	450-800	1125-2250	500-1000
	Aphid, Leaf Hopper, Thrips	175	437	500-1000
	Grey weevil,	500	1250	500-1000
	White fly	150	375	500-1000
Novaluron 10 EC	American Bollworm	100	1000	500-1000
Novaluron 8.8 SC	American boll worm, Tobacco caterpillar	100	1000	500-1000
Oxydemeton – Methyl 25 EC	Aphid, Jassid/ leaf hopper	300	1200	500-1000
Permethrin 25 EC	Bollworms,	100-125	400-500	500-1000
Phorate 10 CG	Aphid, Jassids, Thrips, White fly	1000	10000	–
Profenofos 50 EC	Bollworm,	750-1000	1500-2000	500-1000
	Jassids, Aphids, Thrips, Whiteflies	500	1000	500-1000
Pyriproxyfen 10 EC	Whitefly	100	1000	500
Pyridalyl 10 EC	Bollworms	75-100	750-1000	500-750
Quinalphos 20 AF	Bollworms, American bollworm, Pink Bollworm, Spotted bollworm	350-500	1750-2500	750-1000
Quinalphos 1.5 DP	Aphid, Jassids, Thrips,	300	20000	From square formation onwards
	Bollworm	450	30000	From square formation onwards
Spinosad 45.0 SC	American bollworm	75-100	165-220	500
Spiromesifen 22.9 SC	White fly & mite	144	600	500

		White fly & mite	144	600	500
	Thiacloprid 21.7 SC	Aphid, Thrips, Jassid	24 – 30	100 – 125	500
		Whitefly	120 – 144	500 – 600	500
	Thiodicarb 75 WP	Bollworms	750	1000	500
	Thiamethoxam 30 FS	Aphid, whiteflies, Jassids	3	10	–
	Thiamethoxam 70 WS	Aphid, Thrips, whiteflies, Jassids	300	430	–
	Thiamethoxam 25 WG	Jassid, Aphid, Thrips	25	100	500-750
		White flies	50	200	500-750
	Triazophos 40 EC	Bollworms (Pink and spotted), whitefly	600-800	1500-2000	500-1000
	<i>Verticillium lecanii</i> 1.15WP	White flies	–	2500	500 litres of water
	<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Bollworm (<i>Heliothis armigera</i>)	–	2.0-2.5	1000
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Bollworm	–	750-1000	750-1000
		American Bollworm	25.00-50.00	500-1000	500-1000
		Spotted Bollworm	37.50-50.00	750-100	500-1000
		Bollworms, <i>Spodoptera</i>	–	0.75-1.0 kg.	500-750
	NPV of <i>Helicoverpa armigera</i> 0.43 AS	<i>Helicoverpa armigera</i>	–	2700	400-600
	Alphacypermethrin 10 SC	Boll Worms	25-30	250-300	500-1000
	Monocrotophos 15 SG	Aphids, Jassids, Thrips & Whiteflies	200	1333	500-1000
Cotton (Soil drench)	Clothianidin 50 WDG	Jassids, Aphids, Thrips & White Fly	100-125	200-250	1000
Cucumber	Imidaclopride 70 WG	Aphids & Jassids	24.5	35	500
Cucurbit	Dichlorvos 76 EC	Red pumpkin beetle	500	627	500-1000
Fig	Dimethoate 30 EC	Fig jassid	0.0003	1485-1980	1500-2000
		Mealy bug	0.0003	2475-3300	1500-2000
French bean	Carbofuran 3 CG	White grub	700	23300	–
		White grubs	750	23300	–
		Grey & Stem weevil	1000	33300	–
	Quinalphos 25 EC	Stem fly	250	1000	500-1000

	Quinalphos 1.5 DP	Stem fly	300	20000	–
Gherkins	Cyantranilprole 10.26 OD	Leaf miner – <i>Liriomyza trifolii</i> , Red pumpkin beetle <i>Aulacophora foveicollis</i> , Aphids- <i>Aphis gossypii</i> , Thrips- <i>Thrips palmi</i> , White fly <i>Bemisia tabaci</i> , Pumpkin caterpillar – <i>Diaphania indica</i> , Fruit fly- <i>Bactrocera cucurbitae</i>	90	900	500
Grape	Malathion 50 EC	Beetle	500	1000	1500-2000
	Buprofezin 25 SC	Mealy bugs	250-375	1000-1500	500-1000
	Cyantranilprole 10.26 OD	Thrips- <i>Scirtothrips dorsalis</i> , Flea beetle - <i>Scelodonta strigicollis</i>	70	700	1000
	Emamectin Benzoate 5 SG	Thrips	11	220	500-1000
	Fipronil 80WG	Thrips	40-50	50-62.5	750-1000
	Lambda-Cyhalothrin 4.9 CS	Thrips & Flea beetle	12.5	250	500-1000
	Methomyl 40 SP	Mealy bug	500	1250	500-1000
	Imidacloprid 17.8 SL	Flea beetle	0.06-0.08	300-400	1000
Green gram	Methyl Parathion 2 DP	Pod borer	500	25000	–
	Monocrotophos 36 SL	Pod borer	175	437	500-1000
	Phorate 10 CG	Stem fly	1000	10000	–
		Jassids	1500	15000	–
Ground nut	Chlorpyrifos 20 EC	Aphid	200	1000	500-1000
		Root grub	225	1125	500-1000
	Oxydemeton – Methyl 25 EC	Aphid/ Leaf minor	250	1000	500-1000
	Phenthoate 50 EC	Leaf Webber	500	1000	500-1000
	Quinalphos 1.5 DP	Thrips, Jassids	350	23300	–
		Red hairy Caterpillar	375	25000	–
	Carbofuran 3 CG	Pod borer	1500	50000	–
		White grub	1000	33300	–
	Deltamethrin 2.8 EC	Leaf miner	12.5	500	400-600
	Dichlorvos 76 EC	Red hairy caterpillar	375-750	470-940	500-1000
Imidacloprid 17.8 SL	Aphid, Jassid	20-25	100-125	500	

	Lambda-Cyhalothrin 5 EC	Thrips, leaf Hopper, leaf miner	10 to 15	200-300	400-500
	Methomyl 40 SP	<i>Spodoptera litura</i>	300-350	750-850	500
	Phorate 10 CG	Aphid, Leaf minor	1500	15000	–
		White grub	2500	25000	–
	Quinalphos 20 AF	<i>Spodoptera litura</i>	250-375	1250-1775	750-1000
	Quinalphos 25 EC	Leaf Hopper, Thrips	350	1400	500-1000
Leaf miner		250	1000	500-1000	
Jute	Azadirachtin 0.03 (300 PPM)	Semi looper, Hairy caterpillar	–	2500-5000	500-1000
	Carbaryl 50 WP	Semi Looper	1000	2000	500
	Carbofuran 3 CG	Nematodes	1000	33300	–
	Phosalone 35 EC	Red spider mite	350	1000	500-1000
	Quinalphos 25 EC	Leaf roller, Semi looper, Yellow mite	375	1500	500-1000
Litchi	Dicofol 18.5 EC	Red Spider mite	0.0005	2700-4050	1000-5000
Maize	Carbaryl 4 G.R.	Stem borer	250	6250	–
	Carbaryl 50 WP	Shoot fly	750	1500	500-1000
		Stem Borer	700	1400	500-1000
	Carbaryl 85 W.P.	Stem borer	1500	1764	500-1000
	Carbofuran 3 CG	Stem borer	1000	33000	–
		Shoot fly	1000	33000	–
		Thrips	1000	33000	–
	Dimethoate 30 EC	Stem borer	200	660	500-1000
		Shoot fly	350	1155	500-1000
	Monocrotophos 36 SL	Shoot fly	250	625	500-1000
	Oxydemeton – Methyl 25 EC	Shoot fly	250	1000	500-1000
	Phorate 10 CG	Shoot fly	3000	30000	–
Stem borer		1000	10000	–	
Thiamethoxam 30 FS	Stem Fly	2.4	8	–	
Mandarins	Carbofuran 3 CG	Soft greens scale	0.4g/plant	13.3g/plant	–
Mango	Buprofezin 25 SC	Hoppers	-	1-2 ml/liter of water	5-15 liter per tree
	Deltamethrin 2.8 EC	Hoppers	0.03-0.05	0.33 to	As per spray

				0.5ml/lit	field requirement
	Dimethoate 30 EC	Hopper	0.0005	2475-3300	1500-2000
	Imidacloprid 17.8 SL	Hopper	0.4 – 0.8 g/tree	2-4 ml/tree	10 litre
	Lambda-Cyhalothrin 5 EC	Hoppers	0.0025- 0.005	0.5-1.0 ml/l of water	–
	Malathion 50 EC	Mealy scale, Mango hopper	0.00075	2250-3000	1500-2000
	Monocrotophos 36 SL	Bug mite	0.0004	1500-2000	500-2000
		Gall maker Hopper, Mealy bug , Shoot borer	0.0004	1500-2000	500-2000
	Oxydemeton – Methyl 25 EC	Hoppers	0.00025	1500-2000	1500-2000
	Thiamethoxam 25 WG	Hoppers	25	100	1000
Mustard	Carbofuran 3 CG	Mustard leaf miner	2000	66600	–
		White fly	1000	33300	–
	Chlorpyrifos 20 EC	Aphid	100	500	500-1000
	Dichlorvos 76 EC	Painted bug	500	627	500-1000
	Dimethoate 30 EC	Leaf minor, Aphid, Sawfly	200	660	500-1000
	Imidacloprid 70 WS per 100 kg seed	Mustard sawfly & painted bug	490	700	–
	Methyl Parathion 2 DP	Sawfly, Aphids	300	15000	–
	Oxydemeton – Methyl 25 EC	Aphid	250	1000	500-1000
	Phorate 10 CG	Mustard aphid,	1000	10000	–
		Painted bug	1500	15000	–
	Quinalphos 25 EC	Sawfly	300	1200	500-1000
Thiamethoxam 25 WG	Aphid	12.5-25.0	50-100	500-1000	
Okra	Acetamiprid 20 SP	Aphids	15	75	500-600
	Azadirachtin 0.03 (300 PPM)	Fruit borer, White flies, Leaf Hopper	–	2500-5000	500-1000
	Buprofezin 70 DF	Jassids	200	286	500
	Chlorantraniliprole 18.5 SC	Fruit Borer	25	125	500
	Cypermethrin 10 EC	Fruit borer	50-70	550-760	150-400
	Emamectin Benzoate 5 SG	Fruit & Shoot Borer	6.75-8.5	135-170	500
	Fenazaquin 10 EC	Red spider mite	125	1250	500

	Fenpropathrin 30 EC	Whitefly, Shoot and Fruit borer, Mites	75-100	250-340	750-1000
	Fenvalerate 20 EC	Shoot & fruit borer, Jassids	60-75	300-375	600-750
	Imidaclopride 70 WG	Jassids, Aphids, Thrips	21 – 24.5	30 – 35	375 – 500
	Imidacloprid 48 FS per 100 kg seed	Jassid, Aphid	300 – 540	500– 900	–
	Imidacloprid 70 WS per 100 kg seed	Jassid, Aphid	350 – 700	500 – 1000	–
	Imidacloprid 17.8 SL	Aphid, Jassid, Thrips	20	100	500
	Lambda - Cyhalothrin 4.9 CS	Fruit borer	15	300	500
	Pyridalyl 10 EC	Fruit & shoot borer	50-75	500-750	500-750
	Quinalphos 20 AF	Shoot/Fruit borer	250-300	1250-1500	750-1000
	Spiromesifen 22.9 SC	Red spider mite	96-120	400-500	500
	Thiamethoxam 30 FS	Jassids	1.7	5.7	–
	Thiamethoxam 70 WS	Aphids, Jassids	200	286	–
	Thiamethoxam 25 WG	Jassid, Aphid, White flies	25	100	500-1000
	Tolfenpyrad 15 EC	Aphids, Jassids, Thrips and white fly	150	1000	500
	Dicofol 18.5 EC	Red Spider mite	250-500	1350-2700	500-1000
Onion	Chlorpyrifos 20 EC	Root grub	1000	5000	500-1000
	Lambda-Cyhalothrin 5 EC	Thrips	15	300	300-400
	Oxydemeton – Methyl 25 EC	Thrips	300	1200	500-1000
	Dimethoate 30 EC	Thrips	200	660	500-1000
Paddy	Acephate 75 SP	Stem Borer, Leaf Folder, Plant Hoppers, Green Leaf Hopper	500-750	666-1000	300-500
	Acephate 95 SG	Yellow stem borer, Leaf Folder, Brown Plant Hopper	562.5	592	500
	Acetamiprid 20 SP	BPH	10 to 20	50-100	500-600
	Azadirachtin 0.03 MIN.	Leaf roller, Stem borer, BPH	–	2000	1000
	Azadirachtin 0.15 W/W	Thrips, Stem borer, Brown Plant hopper, Leaf folder	–	1500 - 2500	500
	Azadirachtin 5 W/W	Brown Plant Hopper, Leaf Folder, Stem Borer	–	200	400
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Stem borer & Leaf folder	–	1.50 kg.	500-750

<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Leaf folder (<i>Cnaphalocrocis medinalis</i>)	–	1.0-3.0	1000
<i>Beauveria bassiana</i> 1.15 W.P.	Leaf folder	–	2.5kg/ha	750-850
Benfuracarb 3 GR	Stem borer, Leaf folder, BPH	1000	33000	–
Bifenthrin 10 EC	Stem borer, leaf folder & Green leaf hopper	50	500	500
Buprofezin 25 SC	BPH, GLH, WBPH	200	800	400-500
Carbaryl 5 D.P.	Leaf roller/folder	1250	25000	–
	Brown plant hopper	1000	20000	–
Carbaryl 50 WP	Brown Plant Hopper, Stem Borer	1000	2000	500-1000
	Green Leaf Hopper	750	1500	500-1000
Carbaryl 10 D.P.	Blue Jassid, Case worm	2500	25000	–
Carbaryl 85 W.P.	Green leaf hopper, Jassid	500	588	500-1000
Carbofuran 3 CG	Brown plant hopper Gall midge, Stem borer, GLH, Hispa	750	25000	–
Carbofuran 3 CG	Nematodes	1500	50000	–
Carbosulfan 25 EC	Green leaf hopper, White plant hopper, Brown plant hopper, Gall midge, Stem borer	200-250	800-1000	500-1000
Carbosulfan 6 G	Stem borer, Gall midge, Green leaf hopper, Leaf folder	1000	16700	–
Cartap Hydrochloride 4 G	Stem borer,	750	18750	–
	Leaf folder,	750-1000	18750-25000	–
	Whorl Maggot	750-1000	18750-25000	–
Cartap Hydrochloride 50 SP	Stem borer, Leaf folder	500	1000	500 – 1000
Cartap Hydrochloride 75 SG	Yellow Stem borer, Leaf folder	318.75-375	425-500	250-500
Chlorantraniliprole 0.4 GR	Yellow Stem borer, Leaf folder	40	10 000	–
Chlorantraniliprole 18.5 SC	Stem borer and leaf folder	30	150	500
Chlorpyrifos 1.5 DP	Stem borer, Green leaf hopper, Brown plant hopper, Leaf folder, Gall midge, Grass hopper	375	25000	–
Chlorpyrifos 10 G	Stem borer, Leaf Roller, Gall midge	1000	10000	–

	Chlorpyrifos 20 EC	Hispa	250	1250	500-1000
		Leaf roller	375	1875	500-1000
		Gall midge, Stem borer	250	1250	500-1000
		Whorl maggot	250	1250	500-1000
	Chlorpyrifos 50 EC	Stem borer, Leaf roller	375-400	750-800	500-1000
	Chromafenozide 80 WP	Leaf folder, Stem borer	75-100	94-125	500
	Clothianidin 50 WDG	Brown plant hopper	10 to 12	20-24	500
	Deltamethrin 1.8 EC	Stem borer, Leaf folder	10 – 12.5	625 -780	500
	Deltamethrin 11 W/W EC	Stem borer, Leaf folder, Green leaf hopper, Whorl maggot	15	150	500
	Dichlorvos 76 EC	BPH	375	470	500-1000
		Cut worm/ Army worm, Leaf roller/ folder	500	627	500-1000
	Dinotefuran 20 SG	Brown plant hopper	30-40	150-200	500
	Ethofenprox 10EC	BPH, Stem borer, Leaf folder, Gall midge, Whorl maggot, GLH, WBPH	50-75	500-750	500
	Fenobucarb (BPMC) 50 EC	Brown Plant Hopper, Green Leaf Hopper	250-750	500-1500	500
	Fenpropathrin 30 EC	Yellow Stem borer, Leaf folder	100	333	500
	Fipronil 0.3 GR	Stem borer, Brown plant hopper, Green leaf hopper Rice leaf hopper, Rice gall midge, Whorl maggot, White backed plant hopper	50-75	16670-25000	–
	Fipronil 5 SC	Stem borer, Brown plant hopper, Green leaf hopper, Rice leaf hopper, Rice gall midge, Whorl maggot, White backed plant hopper	50-75	1000-1500	500
	Fipronil 80WG	Stem borer, Leaf folder	40-50	50 – 62.5	375 -500
	Flonicamid 50 WG	Brown plant hopper, white backed plant hopper, Green leaf hopper	75	150	500
	Flubendiamide 20 WG	Stem borer, Leaf borer	25	125	500
Flubendiamide 39.35 M/M SC	Stem borer, Leaf folder	24	50	375-500	
Imidacloprid 0.3 GR	Stem borer	0.045	15.0 kg	–	

	Imidacloprid 17.8 SL	BPH, WBPH, GLH	20 – 25	100 – 125	500 – 700
	Imidacloprid 30.5 M/M SC	Brown plant hopper, White backed plant hopper	21-26.25	60-75	500-750
	Imidaclopride 70 WG	Brown Plant Hoppers, White Backed Plant , Hoppers	21 – 24.5	30 – 35	300 – 375
	Indoxacarb 15.8 EC	Leaf folder, Piller, Green semi looper, stem fly	30	200	500
	Lambda-Cyhalothrin 2.5 EC	Leaf folder, Stem borer, GLH, Gall midge, Hispa, Thrips	12.5	500	400-600
	Lambda-Cyhalothrin 4.9 CS	Stem borer, Leaf folder	12.5	250	500
	Lambda-Cyhalothrin 5 EC	Leaf folder, stem Borer, GLH, Gall Midge, Hispa, Thrips	12.5	250	400-600
	Malathion 5 DP	Rice Hispa	1250	25000	–
	Malathion 50 EC	Rice Hispa	575	1150	500-1000
	Methyl Parathion 2 DP	Earhead Caterpillar, Leaf roller, Ear head bug	500	25000	–
	Methyl Parathion 50 EC	Gall midge	750	1500	500-1000
		Green leaf hopper	500	1000	500-1000
		Hispa, Leaf roller	250	500	500-1000
		Stem borer	400	800	500-1000
		Whorl maggot	500	1000	500-1000
	Monocrotophos 36 SL	BPH, Yellow stem borer	500	1250	500-1000
		GLH, Leaf roller/folder	250	625	500-1000
	Oxydemeton – Methyl 25 EC	Blue leaf hopper	125	500	500-1000
		White leaf hopper	250	1000	500-1000
	Phenthoate 50 EC	Rice case worm	500	1000	500-1000
	Phorate 10 CG	Gall fly, Hispa, Leaf hopper , Plant hopper, Stem borer	1000	10000	–
		Root weevil	750	7500	–
	Phosphamidon 40 SL	Stem borer, Leaf borer,	500	1250	500
		Green leaf hopper, Brown plant hopper, White backed plant hopper	350	875	500

	Pymetrozine 50 WG	Brown Plant Hopper	150	300	500
	Quinalphos 1.5 DP	Brown plant hopper	300	20000	–
	Quinalphos 20 AF	Brown plant hopper , Green leaf hopper, Leaf folder, Stem borer	250-300	1250-1500	750-1000
	Quinalphos 25 EC	Brown plant hopper,	375	1500	500-1000
		Hispa/bune beetle,	500	2000	500-1000
		Leaf roller,	250	1000	500-1000
		Stem borer	325	1300	500-1000
	Quinalphos 25 GEL	Brown plant Hopper, Leaf roller, Stem borer, Hispa	250	1000	500-1000
	Quinalphos 5 G	Gall midge, Stem borer	250	5000	–
	Thiacloprid 21.7 SC	Stem borer	120	500	500
	Thiamethoxam 25 WG	Stem borer, Gall midge, Leaf folder, WBPH, BPH, GLH, Thrips	25	100	500-750
	Triazophos 20 EC	Stem Borer, Leaf Folder, Hispa, Green leaf hopper, Brown plant hopper, White backed plant hopper	250-500	1250-2500	500
	Triazophos 40 EC	Stem Borer, Rice Hispa, Leaf Folder, Green leaf hopper, Brown plant hopper, White backed plant hopper.	250-500	625-1250	500-1000
Pea	Carbofuran 3 CG	Shoot fly & Aphid	1000	-	–
	Malathion 50 EC	Pod borer	750	1500	500-1000
	Monocrotophos 36 SL	Leaf minor	400	1000	500-1000
Peach	Carbofuran 3 CG	Leaf curl aphid	1000	33300	–
	Oxydemeton – Methyl 25 EC	Leaf curl aphids	0.00025	1500-2000	1500-2000
Pearl millet	Imidacloprid 48 FS per 100 kg seed	Shoot fly and termites	720	1200	–
	Imidacloprid 70 WS per 100 kg seed	Termites and shoot fly	700	1000	–
Pigeon pea	Indoxacarb 15.8 EC	Pod borer complex	50	333	500-700
	Thiodicarb 75 WP	Pod Borer	470-750	625-1000	500
	Chlorantraniliprole 18.5 SC	Pod borer	30	150	500-750
	Ethion 50 EC	Pod borer	500-750	1000-1500	500-1000

	Flubendiamide 39.35 M/M SC	Pod borer	48	100	500
	Lambda-Cyhalothrin 5 EC	Pod borer, pod fly	20-25	400-500	400-600
	Lufenuron 5.4 EC	Pod borer, podfly	30	600	500-1000
	Methomyl 40 SP	Pod borers	300-450	750-1125	500-1000
	Phorate 10 CG	Jassids	1500	15000	–
		Stem fly	1000	10000	–
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Heliothis	–	0.75 kg.	500-750
	NPV of <i>Helicoverpa armigera</i> 2.0 AS	Pod borer	–	250-500	500-750
Indoxacarb 14.5 SC	Pod borer complex	50-60	353-400	500-1000	
Pomegranate	Cyantraniliprole 10.26 OD	Thrips – <i>Scirtothrips dorsalis</i> , Pomegranate butterfly- <i>Deudorix isocrates</i>	75 (0.0075)	750 (0.075)	1000
		Whitefly- <i>Siphoninus phillyreae</i> , Aphids- <i>Aphis punicae</i>	90 (0.009)	900 (0.09)	–
	Quinalphos 25 EC	Scales	0.0008	4800-6400	500-1000
Potato	Carbofuran 3 CG	Aphid	500	16600	–
		Jassids	1000	33300	–
	Oxydemeton – Methyl 25 EC	Aphids	250	1000	500-1000
	Phorate 10 CG	Aphid	1000	10000	–
	Thiamethoxam 25 WG	Aphids	–	–	–
		-foliar application	25	100	500
		-Soil drench	50	200	400-500
Dimethoate 30 EC	Thrips	200	660	500-1000	
Public health	Deltamethrin 2.5 WP	Mosquito	625-1250	25000-50000	–
Radish	Malathion 50 EC	Stem borer	750	1500	500-1000
Red Gram	Azadirachtin 0.03 (300 PPM)	Pod Borer	–	2500-5000	500-1000
	Deltamethrin 2.8 EC	Pod Borer & Pod Fly	12.5	500	500
	Emamectin Benzoate 5 SG	Pod borer	11	220	500-750
	Monocrotophos 36 SL	Plume mouth, Pod fly	250	625	500-1000
Pod borer		500	1250	500-1000	

	Quinalphos 25 EC	Pod borer, Pod fly	350	1400	500-1000
	Quinalphos 1.5 DP	Pod borer	350	23300	–
	Spinosad 45.0 SC	Pod borer	56-73	125-162	800-1000
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Pod Borer	50.00-62.50	1000-1250	500-1000
Rose	Bifenazate 50 WP	Two Spotted Mite	375	750	3000
	Bifenazate 22.6 SC	Two Spotted Mite	120	500	2000
	Flufenoxuron 10 DC	Mites	50	500	500-1000
	Milbemectin 1 EC	Two spotted spider mite	4.5	450	1000
Safflower	Acephate 75 SP	Aphids	584	780	500-1000
	Dimethoate 30 EC	Aphid	200	660	500-1000
	Phenthoate 2 DP	Aphid	400	20000	–
	Quinalphos 1.5 DP	Aphid	300	20000	–
Sesamum	Phorate 10 CG	Jassids, White fly	1000	10000	–
	Carbaryl 10 D.P.	Til leaf roller	2500	25000	–
	Oxydemeton – Methyl 25 EC	Leaf hopper	300	1200	500-1000
	Quinalphos 25 EC	Leaf webber, Jassids	500	2000	500-1000
Sorghum	Carbaryl 5 D.P.	Earhead midge	1000	20000	–
	Carbaryl 10 D.P.	Aphids	2500	25000	–
		Earhead caterpillar	2000	20000	–
	Carbaryl 50 WP	Hoppers, Aphids, Stem Borer	1000	2000	500-1000
		Shoot fly	750	1500	500-1000
	Carbofuran 3 CG	Shoot fly	1000	33300	–
		Stem borer	250	8300	–
	Dimethoate 30 EC	Midge	500	1650	500-1000
	Imidacloprid 48 FS per 100 kg seed	Shoot fly	720	1200	–
	Imidacloprid 70 WS per 100 kg seed	Shoot fly	700	1000	–
	Malathion 5 DP	Earhead midge	1000	20000	–
	Malathion 50 EC	Earhead midge	500	1000	500-1000
	Oxydemeton – Methyl 25 EC	Shoot fly	250	1000	500-1000
Phenthoate 2 DP	Red spider mite, Pink mite, Purple mite, Scarlet mite	400	20000	–	

	Phorate 10 CG	Shoot fly, Aphids	1875	18750	–	
		White grub	2500	25000	–	
	Phosalone 35 EC	Ear head midge	400	1143	500-1000	
	Phosalone 4 DP	Earhead midge,	1000	25000	–	
	Quinalphos 5 G	Stem borer	750	15000	–	
	Quinalphos 25 EC	Mite, Shoot fly	375	1500	500-1000	
	Quinalphos 1.5 DP	Earhead bug,	375	25000	At milk stage	
		Earhead midge	400	26600	At milk stage	
Thiamethoxam 30 FS	Shoot fly	3	10	–		
Soybean	Carbofuran 3 CG	Root knot nematode	1500	50000	–	
	Chlorantraniliprole 18.5 SC	Green Semi looper, Stem fly, Girdle beetle	30	150	500-750	
	Dichlorvos 76 EC	Leaf eating caterpillar	225-300	282-376	500-1000	
	Ethion 50 EC	Girdle beetle & stem fly	750	1500	500-1000	
	Imidacloprid 48 FS per 100 kg seed	Jassids	75	125	–	
	Indoxacarb 15.8 EC	Tobacco caterpillar, Green semilooper, stem fly	30	333	500	
	Lambda-Cyhalothrin 4.9 CS	Stemfly & Semilooper	15	300	500	
	Malathion 50 EC	Leaf weevil	750	1500	500-1000	
	Phorate 10 CG	Stem fly	1500	15000	–	
	Profenofos 50 EC	Semi looper & Girdle beetle	500	1000	500	
	Quinalphos 25 EC	Leaf weevil	250	1000	500-1000	
	Quinalphos 1.5 DP	Leaf weevil	250	16600	–	
	Thiacloprid 21.7 SC	Girdle beetle	180	750	500	
	Thiamethoxam 30 FS	Shoot fly	3	10	–	
	Triazophos 40 EC	Stem borer, Girdle beetle, Leaf miners	250	625	500	
		<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	<i>Spodoptera, Heliothis, Spilosoma, Semilooper, Leaf miner</i>	–	0.75 kg.	500-750
	Stored Grain	Azadirachtin 0.15 W/W	Red rust Flour beetle, Lesser grain borer, Rice Weevil, Khapra beetle	3.35 gm	–	

Sugarcane	Bifenthrin 10 EC	Termites	100	1000	500
	Carbofuran 3 CG	Top borer	2000	66600	–
	Chlorantraniliprole 18.5 SC	Termite	100-125	500-625	1000
		Early shoot borer	75	375	1000
		Top borer	75	375	1000
	Chlorpyrifos 20 EC	Black bug	150	750	500-1000
		Early shoot & stalk borer	250-300	1250-1500	500-1000
		Pyrilla	300	1500	500-1000
	Fipronil 5 SC	Early shoot borer & root borer	75-100	1500-2000	500
	Fipronil 0.3 GR	Early shoot borer, Root borer	75-100	25000-33300	–
	Imidacloprid 70 WS per 100 kg seed	Termite	70 – 105	100 – 150	–
	Imidacloprid 17.8 SL	Termite	70	350	1875
	Monocrotophos 36 SL	Shoot borer	600-800	1500-2250	500-1000
		Mealy bug, Scale Insect	600	1500	500-1000
		Pyrilla	200	500	500-1000
		Stalk borer	750	1875	500-1000
Phorate 10 CG	Top borer	3000	30000	–	
	White grub	2500	25000	–	
Chlorantraniliprole 0.4 GR	Early shoot borer, top borer	75	18.75	–	
Sugarcane (Soil drench)	Clothianidin 50 WDG	Termite	125	250	1000
Sunflower	Cypermethrin 10 EC	Bihar hairy caterpillar	60-70	650-760	500-700
	Dichlorvos 76 EC	Caterpillar	500	627	500-1000
		Cabbage looper	500	627	500-1000
		Semi looper	500	627	500-1000
	Imidacloprid 48 FS per 100 kg seed	Jassid, Whitefly	300 – 540	500 – 900	–
	Imidacloprid 70 WS per 100 kg seed	Jassid, Whitefly	490	700	–
	Imidacloprid 17.8 SL	Jassid, Thrips, Whitefly	20	100	500
	Malathion 50 EC	White fly	500	1000	500-1000
Thiamethoxam 30 FS	Jassids, Thrips	3	10	–	

Tea	Azadirachtin 1 MIN. E.C.	Thrips	–	4000-5000	450
		Red Spider mites	–	4000-5000	600
	Azadirachtin 5 W/W	Caterpillar, Pink mite Red Spider mites, Thrips	–	200	400
	Bifenthrin 8 SC	Red Spider mite, Tea mosquito bug	40	500	400
	Carbofuran 3 CG	Cock chafer grub	0.3g/plant	33.10g/plant	–
	Clothianidin 50 WDG	Mosquito Bug	60	120	500
	Deltamethrin 2.8 EC	Thrips, Caterpillar	3 to 4	120-150	400-600
		Leaf roller	10	400	400-600
		Lopper	2.5-3.75	100-150	400-600
	Dicofol 18.5 EC	Red spider mite, Scarlet mite , Pink mite, Purple mite, Yellow mite	230	1250	250
	Ethion 50 EC	Red spider mites, purple mites & yellow mite, thrips & scale	250	500	500-1000
	Etoxazole 10 SC	Red Spider Mite	40	400	400
	Fenazaquin 10 EC	Red spider mite, Pink Mite, Purple mite	100	1000	400-600
		Scarlet mite	125	1250	400-600
	Fenpropathrin 30 EC	Mites	50-60	165-200	400-500
	Fenpyroximate 5 EC	Red spider mite, Pink Mite, Purple mite	15-30	300-600	400-500
	Flumite 20 SC / Flufenzine 20SC	Pink mite, Purple mite	80-100	400-500	500-1000
		Red spider	100-120	500-600	500-1000
	Hexythiazox 5.45 W/W EC	Scarlet mite, Red spider mite	15-25	300-500	400/ha
	Phosalone 35 EC	Aphid, Pink mite, Purple mite	360	1028	500-1000
	Propargite 57 EC	Red spider mite, Pink mite, Purple mite, Scarlet mite	430-612	750-1250	400
	Quinalphos 20 AF	Hopper caterpillar	0.0005	1000	400
	Quinalphos 25 EC	Thrips	190	760	500-1000
	Spiromesifen 22.9 SC	Red Spider mite	96	400	400
Thiacloprid 21.7 SC	Mosquito bug	90	375	400	
Thiamethoxam 25 WG	Mosquito bug	25	100	400-500	

Teak	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	Defoliator (<i>Hyblaea pured</i>), Skeletonizer (<i>Eutectona machaeralis</i>)	–	0.25-0.50 Sol.	As required.
Tobacco	Azadirachtin 5 W/W	Tobacco caterpillar, Aphids	–	200	400
	Chlorpyrifos 20 EC	Ground beetle	350	1750	500-1000
	Oxydemeton – Methyl 25 EC	White fly/Aphids	250	1000	500-1000
	<i>Bacillus thuringiensis</i> Var. <i>Kurstaki</i> 5 WP	<i>Spodoptera</i> , <i>Heliothis</i>	–	1.50-2.00 kg.	500-750
	NPV of <i>Spodoptera litura</i> 0.5 AS	<i>Spodoptera litura</i>	–	1500	400-600
Tomato	Azadirachtin 1 (10000 PPM)	Fruit borer	–	1000-1500	500
	Azadirachtin 5 W/W	Aphids, Whitefly, Fruit borer	–	200	400
	Carbaryl 50 WP	Fruit Borer	1000	2000	500-1000
	Carbofuran 3 CG	White fly	1200	40000	–
	Chlorantranilprole 18.5 SC	Fruit borer	30	150	500
	Cyantranilprole 10.26 OD	Leaf miner – <i>Liriomyza trifolii</i> , Aphids – <i>Aphis gossypii</i> , Thrips- <i>Thrips tabaci</i> , White fly – <i>Bemesia tabaci</i> , Fruit borer – <i>Helicoverpa armigera</i>	90	900	500
	Flubendiamide 20 WG	Fruit borer	48	100	375-500
	Flubendiamide 39.35 M/M SC	Fruit borer	48	100	375-500
	Imidacloprid 17.8 SL	Whitefly	30-35	150-175	500
	Indoxacarb 14.5 SC	Fruit borer	60-75	400-500	300-600
	Lambda-Cyhalothrin 4.9 CS	Furit borer	15	300	500
	Lambda-Cyhalothrin 5 EC	Fruit borer	15	300	400-600
	Malathion 50 EC	White fly	750	1500	500-1000
	Methomyl 40 SP	Pod borers	300-450	750-1125	500-1000
	Novaluron 10 EC	Fruit borer	75	750	500-1000
	Oxydemeton – Methyl 25 EC	White fly	250	1000	500-1000
	Phorate 10 CG	White fly	1500	15000	–
	Phosalone 35 EC	Fruit borer	450	1285	500-1000
Quinalphos 20 AF	Fruit borer	300-350	1500-1750	750-1000	
Quinalphos 25 EC	Fruit borer	250	1000	500-1000	

	Spiromesifen 22.9 SC	Whiteflies & Mites	150	625	500
	Thiamethoxam 70 WS	Aphids & Thrips	420	600	–
	Thiamethoxam 25 WG	White flies	50	200	500
	<i>Bacillus thuringiensis</i> Var. <i>Galleriae</i>	Fruit borer (<i>H. armigera</i>)	–	1.0-1.5	500
	NPV of <i>Helicoverpa armigera</i> 0.43 AS	<i>Helicoverpa armigera</i>	–	1500	400-600
	NPV of <i>Helicoverpa armigera</i> 2.0 AS	Fruit borer	–	250-500	500
	Dimethoate 30 EC	Aphids	200	660	500-1000
	Dimethoate 30 EC	White fly	300	990	500-1000
	Fenazaquin 10 EC	Two spotted spider mite	125	1250	500
Turnip	Carbaryl 10 D.P.	Plume moth, Pod fly	2000	20000	–
	Quinalphos 20 AF	Pod borer	500	2500	750-1000
	Malathion 50 EC	Tobacco caterpillar	600	1200	500-1000
Walls, ceilings floors of godowns	Deltamethrin 2.5 WP	Rice weevil, Khapra beetle, Red flour beetle, Saw toothed grain beetle, Rice moth, Almond moth	30	1200	1.5-2.5 litre / 50m ²
Wheat	Carbaryl 50 WP	Army worm	1000	2000	500
	Carbofuran 3 CG	Ear cockle nematode	3000	10000	–
		Cereal cyst nematode	2000	66600	–
	Cypermethrin 10 EC	Shoot fly	50	550	500-800
	Dichlorvos 76 EC	Caterpillar	500	627	500-1000
	Methyl Parathion 50 EC	Cutworm	300	600	500-1000
	Phorate 10 CG	Shoot fly	1875	18750	–
	Quinalphos 25 EC	Aphid	250	1000	500-1000
		Ear head Caterpillar , Mite	400	1600	500-1000
Thiamethoxam 30 FS	Termites	1	3.3	–	
Thiamethoxam 25 WG	Aphid	12.5	50	500	
Wheat & Rice (Grain & seed in stacks)	Deltamethrin 2.5 WP	Rice weevil, Khapra beetle, Red flour beetle, Saw toothed grain beetle, Rice moth, Almond moth	30	1200	1 litre / 30 m ²