

Product type	Sr #	Brand name	Form.
Herbicides	1	Flute	10.8 EC
	2	Broadx	56 EC
	3	Farm Clean	30 WP
	4	Halt	75 WDG
	5	Commit	40.6 AS
	6	Land Gold	75 WDG
	7	PreAct	96 EC
	8	Voltril	63 EC
	9	Dominate Gold	88.8 WDG
	1	Legend	0.5 AS
	2	Concept	10.8 EC
	3	Rector Super (danedar)	0.35 G

**Insecticides**

4	Mover Plus	4.3 G
5	Metarex	6 G
6	Contest	70 WS
7	Instar	5 EC
8	Atrasan super	43 WDG
9	Steer plus	10.5 EC
10	Korel	50 WDG
11	Steer	10 WDG
12	Viron	15 SC
13	Velocity	5 WDG
14	Win	25 EW
15	Tempt	20 SC
16	Vertex	36 EC
1	Flumax	60 EC
2	Stroll plus	30 SC
3	Etox	13 WP
4	Hustler	10 SL
5	Wisdom	80 WDG
6	Combinex	45 DP
7	Prevail	40 WP

**Fungicides**

	8	Mantox	50 WP
	9	Milvet	80 WDG
Micro nutrients	1	Projib	10 % Powder
	2	Impact	5 G
	3	Azatrol	Ws SOP
	4	Feedex	Humic acid 40%, Potassium 7%
	5	Hook	
	6	Dextro	20% Powder
Fruit Fly Management	1	Atrex	98% Liquid
	2	Route	57% EC
	3	Bioguard	
		Method of application	<b><u>Orchards:</u></b> <b>Application technique</b> <b><u>Cucurbits:</u></b> Note:

## Products List (AgPharma)

Active	Dose	Target pests
<i>Haloxypop p methyl</i>	350 mL/acre	All grasses
<i>Fluroxypyr 8.6%+ clopyralid 13%+ mcpa34.4%</i>	350 mL/acre	All BLW
<i>Bispyribac-sodium (18%) + bensulfuron-methyl 12%</i>	100 g+bio-enhacer 160 mL/acre	Weed complex
<i>Halosulfuron methyl</i>	20 g/A	Sedges
<i>Dicamba</i>	300 mL/acre	Blw (lehli, matri, maina, leh etc)
<i>Sulfosulfuron</i>	13.5 g + bio-enhancer 160 mL/acre	Dumbi sitti
<i>S-metolachlor (83%) + Pendimethalin (13%)</i>	900 mL/acre	Weed complex
<i>S- metolachlor (30%) + mesotrione (4.5%) + atrazine (28.5%)</i>	1000 mL/acre	Weed complex
Glyphosate Ammonium	1000 g/acre	Non- selective
<i>Matrine</i>	300 ml/acre	Aphid, leaf miner, sugarcane black bug, cotton dusky & red cotton bug,
	2 ml/ liter of water	Citrus psylla
	500 ml	Adult whitefly
<i>Pyriproxyfen</i>	75 ml/100 liter of water	Scales
	250 ml/acre	Whitefly
<i>Fipronil(0.3%) + Emamectin (0.05%)</i>	(8+8+16) kg/acre	PGR,Borers & Termites
	8+8 kg/acre	Stem Borer

<i>Fipronil(0.3%) Cartap(4%)</i>	(8+8) kg/acre	PGR,Borers,Leaf Folder & Plant Hoppers management
Metaldehyde	3 kg/a	Snail & slugs
<i>Thiamethoxam</i>	3 g/kg seed	Jassid, aphid
	10 g/kg seed	Maize shoot fly
<i>Lufenuron</i>	200 ml/acre	Armyworm
<i>Dinotefuran (13%) + Chlorfenapyr (30%)</i>	150 g/acre	Jassid, thrips, mites, plant hoppers
<i>Chlorfenapyr 10%+ emamectin 0.5%</i>	250 ml /acre	Jassid, thrips, army worm
<i>Nitenpyram</i>	40 g/acre	Jassid
<i>Chlorfenapyr</i>	360 g/acre	Thrips, mites
<i>Indoxacarb</i>	175 ml/acre	American worm
<i>Emamectin</i>	75 g/acre	American bollworm, leaf roller/folder
<i>Cypermethrin</i>	125 ml/acre	Cutworm
<i>Bifenthrin</i>	125 ml/acre	PBW management
<i>Deltamethrin (1%) + Triazophos (35%)</i>	600 ml/acre	PBW management
<i>Fluazinam 40% + Metalaxyl-m 20%</i>	150 ml/acre	Late blight and down mildew
<i>Azoxystrobin 22% + Difinoconazol 8%</i>	200 ml/acre	Early and late blight
<i>Kasugamycin 3% + Tricyclazole 10%</i>	500 g/acre	Blast, sheath blight & bacterial leaf blight (blb)
<i>Validamycin</i>	8 ml/100 kg seed	Rhizoctonia solani
<i>Fosetyl Aluminium</i>	250 g/acre	Downy mildew, late blight of potato and tomato
<i>Bromothalonil 15% + Quintozine 30%</i>	5 g/ kg seed	Seedling diseases
	2 g/ kg seed	Seedling diseases
<i>Myclobutanil</i>	25 g/100 liter of water	Powdery mildew,apple scab

<i>Copper Oxychloride</i>	500 g/acre	Fungal +Bacterial diseases
<i>Sulphur</i>	2 kg/A - Flooding - Spray 250-500 g/A	Provision of sulfur -
<i>Gibberellic Acid</i>	10 g/100 liter of water	Crop supplement
<i>Edta chelated Zinc</i>	2kg/acre	Crop supplement
<i>Potassium oxide (k<sub>2</sub>o) Sulphur trioxide (so<sub>3</sub>)</i>	10 kg/acre	Crop supplement
Potassium humate	8kg/acre	Soil conditioner
Amino Acid	400 ml/acre	Crop supplement
Boron	500 g/acre	Crop supplement
Methyl Eugenol	Mass trapping of male fruitfly in Orchards	Put 2-3 ml on c
Malathion		
Protein Hydrolysate		
Mixing Ratio	Mix Bioguard 300 mL+ Route 30 ml + Water 9670 mL = 10 Liters	
Citrus and Guava	4 lit/Acre- or 10 lit/100 Plants	Apply on an
Mango	2 Lits/A or 10 lits/100 Plants	
Mixing Ratio: Bioguard 250 ml + Route 250 mL	Spray to the whole crop at an interval of 7 days,	
Apply this at an week interval, if it rains the re- spray		

Crop	Time of application
Onion, garlic, cotton, soybean, mung & mash beans, peas, peanuts, & all broad leaf vegetables	Post emergence – when weeds are 3-6 leaves
wheat	Spray after 1st or 2nd irrigation
Rice	Post emergence
Maize , sugarcane	Post emergence
Maize , sugarcane	Post emergence
Wheat	Spray after 1st irrigation in wattar condition (30-35 days after sowing)
Cotton, onion	Pre-emergence
Maize, sugarcane	Pre & early post emergence
Cotton	Post Emergence using shield
Non crop area	Post emergence
All crops	At ETL (repeat after 7 days)
Citrus	
Cotton and all other crops	
Apple and others furits	At crawler stage
Cotton	Apply at start of Whitefly infestation and repeat at 7 - days interval
Sugarcane	<b>1st App</b> (1 bag) - at sowing (broadcast over seed), <b>2nd App.</b> (1 bag) - 45 days after planting, <b>3rd App.</b> (2 bags) - 90 days later or at earthing up. Broadcast over plant.
Maize	<b>1st App.</b> 8 kg - apply in whorls,(when crop is 8-12 inches), <b>2nd App.</b> 15- 20 days later - apply in whorls. <b>Termites:</b> apply 1 bag at sowing

Rice	<b>1st App.(8kg/A)</b> broadcast in standing water <b>20 DAT.</b> <b>2nd App.(8kg/A) - 40 DAT</b> -broadcast in standing water.
Furits and vegetables	First water and then broadcast on moist soil
Cotton	Seed treatment
maize	Seed treatment
All crops	At ETL
Cotton, rice and other crops	At ETL
Cotton	At ETL
Vegetables, apple, orchards	At ETL
Cotton	At ETL
All crops including fruits& vegetables	At ETL
Furits and crops	At ETL
Tobacco, other crops	At ETL
Cotton	AT ETL
Cotton	At ETL
Tomato, potato, melon and other vegetables	Preventive spray or at start of infestation
Tomato, potato, melon and other vegetables	Preventive spray or at start of infestation
Rice	Preventive spray or at start of infestation
Potato	Seed treatment
Potato, tomato, melon, onion	Start of infestation
Cotton	Seed treatment
Wheat, rice	Seed treatment
Vegetables, apple, orchards	Preventive spray or at start of infestation



Crops, fruits & vegetables	Before flowering stage
Crops, fruits & vegetables	15-20 days after sowing & broadcast in standing water
All crops	When crop 60-70 days, then flood with water
All crops	Mix during land preparation
All crops	Different for different crops
All crops	Different for different crops
ton bud and put traps	
area of '1M2' to the the north of every alternate plant.	