

Giving a new meaning for Quality



ASTRACHEM



A Leading Pesticides & Fertilizers Manufacturer

Products Catalogue - Export version



ASTRACHEM

ASTRACHEM is a major contributor in agribusiness sector with an innovative role in MENA, Turkey and CIS regions. As an integrated supplier for a wide network of distributors and farmers, our customers rely on our extensive knowledge and manufacturing experience.

ASTRACHEM's superior quality products produced at our facilities in Saudi and Turkey have been successful through partnerships with renowned multinationals. ASTRACHEM will continue to thrive within many segments of the industry through upcoming joint ventures.

- 🌀 **Agrochemicals**
 - Pesticides**
 - Plant Growth Regulators**
 - Adjuvants & Surfactants**
- 🌀 **Granular Fertilizers**
- 🌀 **Soluble NPK Fertilizers**
- 🌀 **Straight Fertilizers**
- 🌀 **Speciality Fertilizers**
 - Florabelles**
 - Trace Elements**
 - Suspension Fertilizers**
- 🌀 **Public Health Pesticides**
- 🌀 **Veterinary Products**





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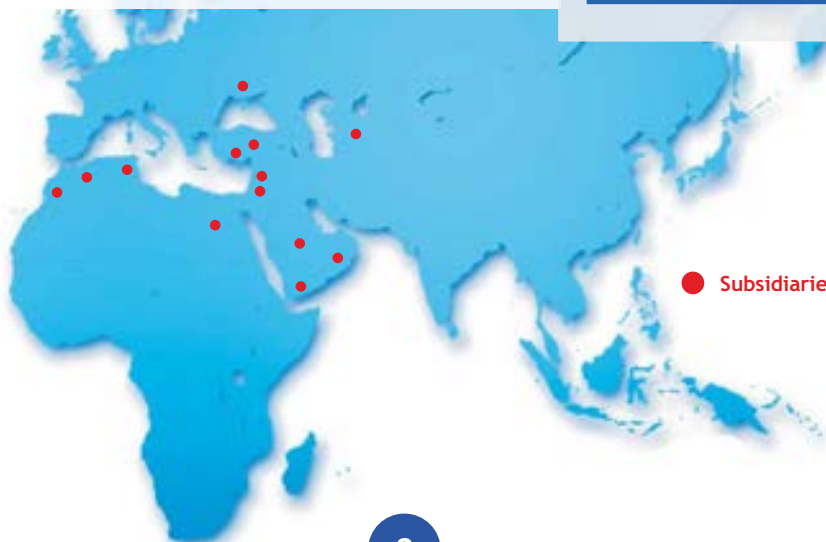
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Kingdom of Saudi Arabia





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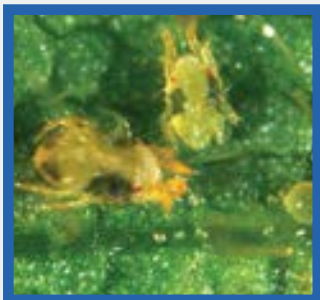
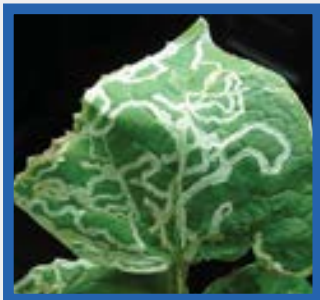


Agrochemicals

Insecticides 1/2

Acetaplan [®] 200SL	Acetamiprid 20%
Alphacide [®] 100EC	Alpha-Cypermethrin 10%
Azdar [®] 10EC	Azadirachtin A 1%
Azdar [®] 15EC	Azadirachtin A 1.5%
Dingo [®] 25EC	Beta-Cyfluthrin 2.5%
Dingo S [®] 40EC	Beta-Cyfluthrin 2.5% + Zeta-Cypermethrin 0.5% + Piperonyl Butoxide 1%
Baton [®] 100EC	Bifenthrin 10%
Hanaro [®] 100EC	Bistrifluron 10%
Montsan [®] 25EC	Carbosulfan 25%
Montsan [®] 200ULV	Carbosulfan 20%
Dozer [®] 235EC	Carbosulfan 12.5% + Imidacloprid 10% + Zeta-Cypermethrin 1%
Cyprine [®] 100EC	Cypermethrin 10%
Cyprine [®] 250EC	Cypermethrin 25%
Deciban [®] 25EC	Deltamethrin 2.5%
Deciban [®] 12.5ULV	Deltamethrin 1.25%
Bazinon 600EC	Diazinon 60%
ProAct [®] / Robust [®] 50EC	Emamectin Benzoate 5%
Sniper [®] 75EC	Emamectin Benzoate 2.5% + Lambda-Cyhalothrin 5%
Sender [®] 50EC	Esfenvalerate 5%
Fendure [®] 500ULV	Fenitrothion 50%
Fender [®] 200EC	Fenvalerate 20%





Insecticides 2/2

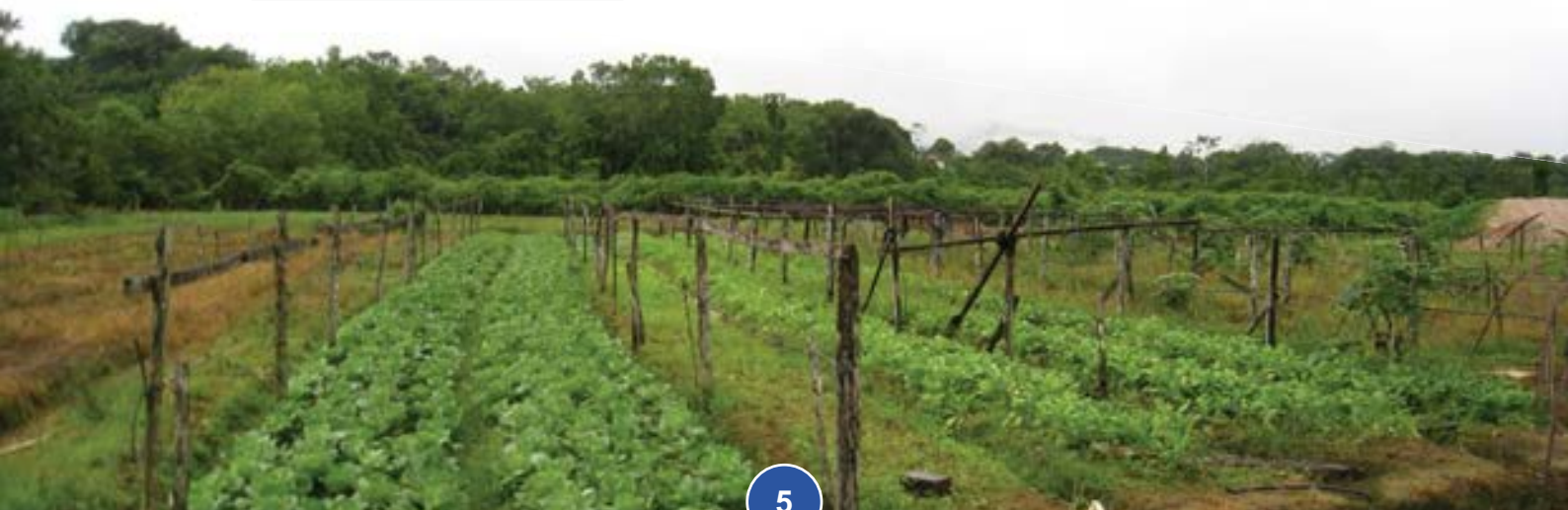
ThripGuard[®] 35SC	Fipronil 3.5%
ThripGuard[®] 50SC	Fipronil 5%
ThripNil[®] 25EC	Fipronil 2.5%
ThripNil[®] 12.5ULV	Fipronil 1.25%
Imidor[®] 200SL	Imidacloprid 20%
Imidor[®] 350SC	Imidacloprid 35%
Valent[®] 150SC	Indoxacarb 15%
Lamdoc[®] 50EC	Lambda-Cyhalothrin 5%
Mallet[®] 570EC	Malathion 57%
Mallet[®] 960ULV	Malathion 96%
Cobra[®] 400EC	Methidathion 40%
Bon Oil[®] 965EC	Mineral Oil 96%
Neemol[®] 700EC	Neem Oil 70%
Foliar-Oil[®] 930EC	Paraffin Oil 93%
Peston[®] 500EC	Phenthoate 50%
ActiKil[®] 500EC	Pirimiphos-methyl 50%
Burly[®] 100EW	Zeta-Cypermethrin 10%

Acaricides

Transact[®] 18EC	Abamectin 1.8%
AbaMeck[®] 36EC	Abamectin 3.6%
Hunter[®] 200EC	Amitraz 20%
Mitoron[®] 24EC	Bromopropylate
DeVour[®] 240SC	Chlorfenapyr 24%
Ethio[®] 400EC	Ethion 40%

Nematicides

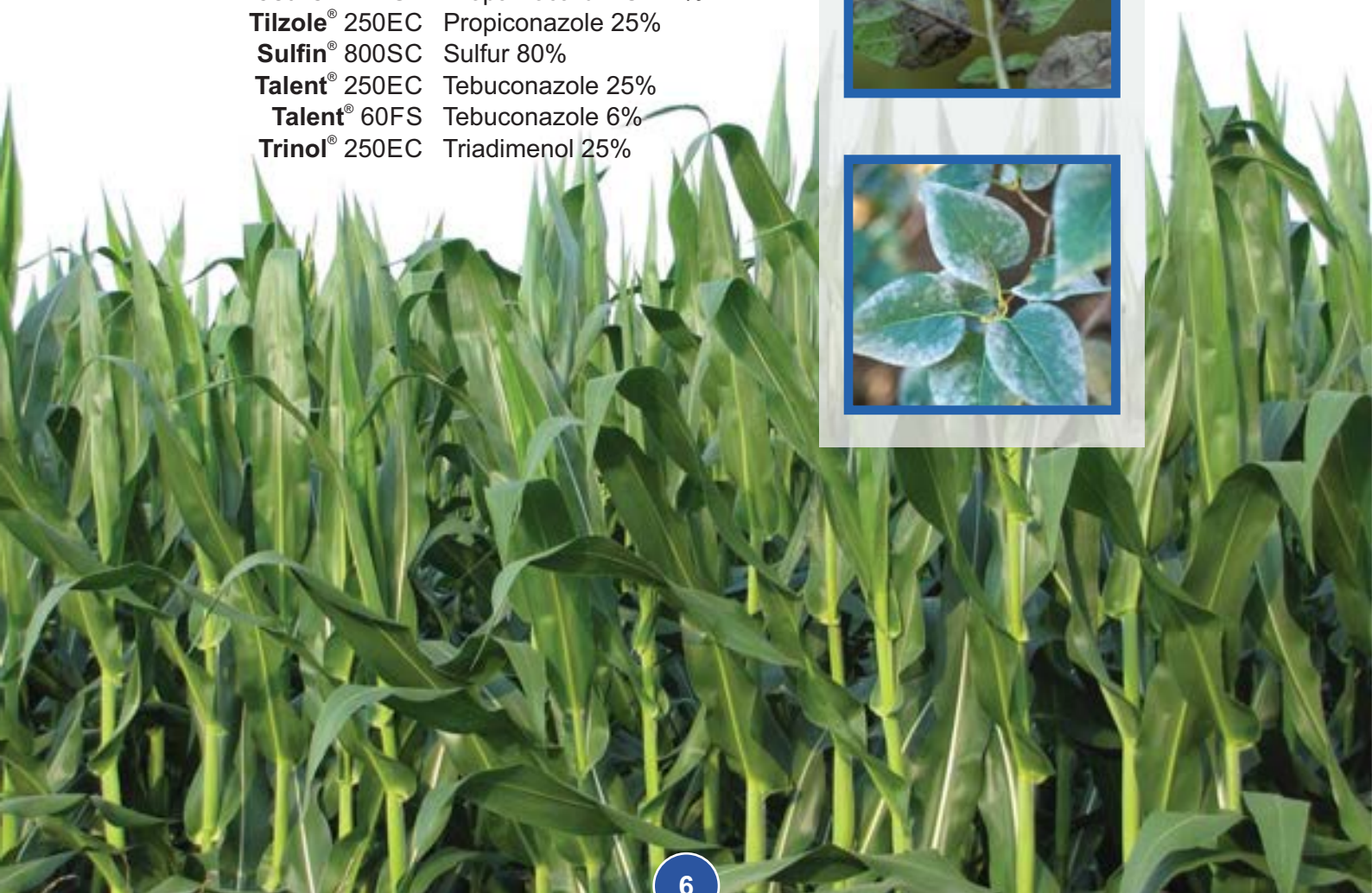
Fymate[®] 24SL	Oxamyl 24%
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Fungicides

- Azox**[®] 250SC Azoxastrobin 25%
- Fundazim**[®] 500SC Carbendazim 50%
- Divizole**[®] 60FS Difenconazole 6%
- Scorpio**[®] 250EC Difenconazole 25%
- NoVex**[®] 250SC Flutriafol 25%
- Hexar**[®] 50EC Hexaconazole 5%
- Terrazol**[®] 300SL Hymexazol 30%
- Corval**[®] 500SC Iprodione 50%
- Ridoxyl**[®] 240EC Metalaxyl M 24%
- Butanil**[®] 125EC Myclobutanil 12.5%
- Butanil**[®] 24EC Myclobutanil 25%
- Funraz**[®] 400EC Prochloraz 40%
- Sulex**[®] 50WP Procymidone 50%
- Procure**[®] 722 SL Propamocarb HCl 72%
- Tilzole**[®] 250EC Propiconazole 25%
- Sulfin**[®] 800SC Sulfur 80%
- Talent**[®] 250EC Tebuconazole 25%
- Talent**[®] 60FS Tebuconazole 6%
- Trinol**[®] 250EC Triadimenol 25%





Herbicides

2,4-Kill[®] 500SL	2,4-D amin 50%
Herbex[®] 300SL	2,4-DB 30%
Nutrazin[®] 500SC	Atrazin 50%
Bromox[®] 280EC	Bromoxynil 28%
Bromox[®] M	Bromoxynil 20% + MCPA 20%
Clemax[®] 240EC	Clethodim 24%
WeedMaster[®]	Diflufenican 4% + loxynil 7.5% + Bromoxynil 12.5%
Fusban[®] 125EC	Fluazifop-p-butyl 12.5%
Tiller[®]/Spectra[®] 480SL	Glyphosate IPA 48%
Axynil[®] 225EC	loxynil Octanoate 22.5%
Isotron[®] 500SC	Isoproturon 50%
Leafiron[®] 480SC	Linuron 48%
Malkin[®] 400SL	MCPA 40%
Triocide[®] 525EC	MCPA 37.5% + loxynil 7.5 % + Bromoxynil 7.5%
Mendor[®] 500SC	Metibuzin 50%
Roxar[®] 250EC	Oxadiazon 25%
Glory[®] 24EC	Oxyfluorfen 25%
Penmort[®] 330EC	Pendimethalin 33%
PrePlant[®] 480EC	Trifluralin 48%



Plant Growth Regulators

- Chaperon[®]** Fruit setting stimulator for Tomatoes
- PreStage[®] 8EC** (Forchlorfenuron 0.8%)
- Gibberall[®] 100T** (Gibberellic acid 10%)
- Dormex[®]** (Hydrogen cyanamide 52%)
- Q-Set[®]** (Naphthyl Acetic Acid 0.45%
+ Naphthyl Acetamide 1.2%)



Adjuvants / Surfactants

- InGo[®] 200** (Organo-Modified Trisilaxone)
- StickTo[®]** (Nonylphenoxy polyethoxyethanol)
- Captain[®] / Boss[®] 20CS** (pH Regulator)
- C-Deck[®]** (Alkyl Polycoside + Di-ethylene Glycol)
- Green Turf[®]** (Turf colorant)





Pesticides



Insecticides 1/7

Acetaplan® 200SL / 350SC

Acetamiprid 20%, 35%

Systemic neonicotinoid insecticide designed to control sucking insect pests such as whitefly, aphids, mealybugs & others in Greenhouses and open field crops including tomato, peppers, cucurbits, grapes and citrus.

Alphacide® 100EC

Alpha-Cypermethrin 10%

Non-systemic pyrethroid insecticide for control of a wide range of chewing & sucking insects particularly Lepidoptera, Coleoptera, and Hemiptera such as Aphids, Caterpillars, Whitefly, Thrips Fruit worms on fruit trees, vegetables, cereals, vines, maize, beet, potatoes, cotton, soybeans, dates & other crops.

Azdar® 10EC

Azadirachtin A 1%

Biological / Organic insecticide with fungicidal and miticidal properties, extracted from physical smothering and desiccation of the seeds of neem tree, Azadirachta indica. Acts as Ecdysone agonist and disrupts insect moulting and used for the control of whiteflies, leaf miners and other pests including tomato leafminer (Tuta absoluta), pear psylla. Neem extracts also show anti-feedant and repellent properties, which have been shown to be due to other chemicals such as salannin.

Azdar® 15EC

Azadirachtin A 1.5%

Biological / Organic insecticide with fungicidal and miticidal properties with higher powerful concentration of the active ingredient "Azadirachtin A". For the control of whiteflies, leaf miners and other pests including tomato leafminer (Tuta absoluta), pear psylla and other pests.

Dingo® 25EC

Beta-Cyfluthrin 2.5%

Pyrethroid insecticide effective against whitefly and many other pests, especially Lepidoptera, Coleoptera, Homoptera and Hemiptera on cereals, cotton, fruit and vegetables; also against migratory locusts and grasshoppers.



Insecticides 2/7

Dingo S® 40EC

Beta-Cyfluthrin 2.5%
Zeta-Cypermethrin 0.5%
Piperonyl Butoxide 1.0%

Non-systemic pyrethroid insecticide has a rapid knockdown and long residual activity. Acts on the nervous system with contact and stomach action. Effective against whitefly and many other pests, especially Lepidoptera, Coleoptera, Homoptera and Hemiptera on cereals, cotton, fruit and vegetables; also against migratory locusts and grasshoppers.

Hanaro® 100SL

Bistrifluron 10%

Chitin synthesis inhibitor, benzoylurea insect growth regulator. For efficient control of whitefly (*Trialeurodes vaporariorum* & *Bemisia tabaci*), tomato leaf miner *Tuta absoluta* and lepidopterous insects such as *Spodoptera exigua*, *Plutella xylostella*, *Stathmopoda masinissa*, & *Phyllonorycter ringoniella*. Suitably for use in IPM and RMP crop management programs for prolonged protection period.

Baton® 100EC

Bifenthrin 10%

Non-systemic resilient pyrethroid insecticide / acaricide with unique stable chemical structure. Effective against a broad range of foliar pests, including Coleoptera, Diptera, Heteroptera, Homoptera, Lepidoptera and Orthoptera; it also controls some species of Acarina on vegetables, cereals, citrus, cotton, fruit trees, grapes and ornamentals.

Montsan® 25EC

Carbosulfan 25%

Systemic broad spectrum, potent insecticide / nematicide for foliar and soil insects. Controls a wide range of foliar and soil-dwelling insect pests including aphids, caterpillars, flea beetles, stem borers, leafhoppers, planthoppers, codling moth, scales millipedes, symphylids, wireworms, beetles, fruit flies, white grub & free-living nematodes in alfalfa, potatoes, apple, citrus, corn, deciduous fruit, coffee, rice, sorghum, soybean, sugar beets, sugarcane, vegetable, field crops & orchards.

Montsan® 200ULV

Carbosulfan 20%

Systemic broad spectrum, potent insecticide for ULV applications. Mainly controls locust and a wide range of foliar insect pests including aphids, caterpillars, flea beetles, stem borers, leafhoppers, planthoppers, codling moth, scales millipedes, symphylids, wireworms, beetles and fruit flies.



Pesticides





Pesticides



Insecticides 3/7

Dozer® 235EC

Carbosulfan 12.5%
Imidacloprid 10.0%
Zeta-Cypermethrin 1%

New systemic and contact insecticide combines three potent active ingredients designed to control all sucking insects pests and has a good efficacy on Red Palm Weevil, Aphids, Whitefly, and Scale Insects. also effective against potato tuber moth, fruit worms, steam borers .

Cyprine® 100EC

Cypermethrin 10 %

Non-systemic pyrethroid insecticide with contact and stomach action, for control of a wide range of insects, especially Lepidoptera, Coleoptera, Diptera, Hemiptera classes such as aphids, worms, whitefly. Good residual activity on treated plants.

Cyprine® 250EC

Cypermethrin 25 %

Non-systemic concentrated pyrethroid insecticide with contact and stomach action, for control of a wide range of insects, especially Lepidoptera, Coleoptera, Diptera, Hemiptera classes such as aphids, worms, whitefly, potato tuber moth (adults). Good residual activity on treated plants .Also exhibits anti-feeding action.

Deciban® 25EC

Deltamethrin 2.5%

Non-systemic, pyrethroid fast-acting insecticide with contact and stomach action. Effective against a wide range of pests including: Coleoptera, Heteroptera, Homoptera, Lepidoptera and Thysanoptera in cereals, citrus, cotton, grapes, maize, oilseed rape, soya beans, top fruit and vegetables. It also controls Acrididae, Noctuidae and pests of stored grain and timber (Blattodea, Culicidae, Muscidae).

Deciban® 12.5ULV

Deltamethrin 1.25%

Non-systemic, pyrethroid insecticide with contact and stomach action. for ULV applications. Used mainly for arial spray locust control. Also effective against a wide range of pests such as Coleoptera, Heteroptera, Homoptera, Lepidoptera and Thysanoptera in cereals, citrus, cotton, grapes, maize, oilseed rape, soya beans, top fruit and vegetables.



Insecticides 4/7

Bazinon® 600EC

Diazinon 60%

Systemic organophosphorus insecticide / nematocide for control of a wide range of foliar and soli insect pests and free living nematodes on cereals and vegetables, various crops and tress.

ProAct® / Robust® 50EC

Emamectin Benzoate 5%

Non-systemic potent insecticide (Avermectin) which penetrates leaf tissues by translaminar movement. Acts as an inhibitory neurotransmitter, thus causing insect paralysis. Target pests include: Lepidoptera larvae such as "Spodoptera litoralis , Spodoptera exigwa, Heliothis spp., Agrotis spp."... etc.

Sniper® 75EC

Emamectin Benzoate 2.5%
Lambda-Cyhalothrin 5.0%

Non-systemic contact insecticide which penetrates leaf tissues by translaminar movement. Compines multi sites action on insects nurvus system by interaction with the sodium channel. Also by stimulating the release of γ -aminobutyric acid causing paralyses as an inhibitory neurotransmitter. Target pests include Lepidoptera, beetles and stem borers on vegetables, brassicas, fruit, maize, tea, grapes and cotton.

Sender® 50EC

Esfenvalerate 5%

Pyrethroid insecticide with contact and stomach action. with a very broad range of activity. Working on vegetables and fruit trees. Target pests include: Coleoptera, Diptera, Hemiptera, Lepidoptera and Orthoptera insects on various crops.

Fendure® 500EC/ULV

Fenitrothion 50%

Non-systemic insecticide with contact and stomach action. For control of chewing, sucking, and boring insects in cereals, soft fruit, tropical fruit, vines, sugar cane, vegetables, turf and forestry. Also used for control of stored product insect pests; and for control of locusts.



Pesticides





Pesticides



Insecticides 5/7

Fender® 200EC

Fenvalerate 50%

Non-systemic pyrethroid insecticide / acaricide with contact and stomach action. Acts on the nervous system of insects for control of a wide range of pests, including those resistant to organochlorine, organophosphorus and carbamates. Effective against chewing, sucking and boring insects (particularly Lepidoptera, Diptera, Orthoptera, Hemiptera and Coleoptera) in fruit, vines, olives, vegetables, cucurbits, cotton, alfalfa, cereals, potatoes and ornamentals.

ThripGuard® 35SC

Fipronil 3.5%

New Phenylpyrazole insecticide with moderately systemic action. Contact action with wide spectrum activity. Working on Thrips, fruit worms, cut worms, steam borer, Red Palm Weevil on many vegetables, field crops and fruit trees.

ThripGuard® 25SC / 50SC

Fipronil 2.5%, 5%

Potent phenylpyrazole insecticide with moderately systemic action. It has a wide spectrum activity. Working on Thrips, fruit worms, cut worms, steam borer, Red Palm Weevil on many vegetables, field crops and fruit trees.

Thripnil® 25EC / 50EC

Fipronil 2.5%, 5%

New insecticide with moderately systemic action. It is a contact product with wide spectrum activity. Working on Thrips, fruit worms, cut worms, steam borer, Red Palm Weevil on many field crops and fruit trees.

Thripnil® 12.5ULV

Fipronil 1.25%

New insecticide with moderately systemic action for ULV applications. Mainly used for Locust control and has a wide spectrum activity on Thrips, fruit worms, cut worms, steam borer, on many field crops and fruit trees.

Imidor® 200SL

Imidacloprid 20%

Systemic neonicotinoid wide spectrum insecticide from a unique chemical group with unique mode of action. Acts as an antagonist by binding to postsynaptic nicotinic receptors in the insect central nervous system. It has a translaminar activity and with contact and stomach action. Readily taken up by the plant and further distributed acropetally, with good root-systemic action.

Insecticides 6/7

Imidor® 350SC

Imidacloprid 35%

Systemic neonicotinoid insecticide from a unique chemical group with unique mode of action. It has a translaminar activity and with contact and stomach action. Readily taken up by the plant and further distributed acropetally, with good root-systemic action. Highly effective against both sucking and chewing insect pests on several crops.

Valent® 150SC / 150EC

Indoxacarb 15%

Oxadiazine Insecticide active by contact and ingestion. Affected insects cease feeding, with poor co-ordination, paralysis and ultimately death by blocking sodium channels in nerve cells. Used for broad-spectrum control of Lepidoptera and other insect pests in cotton, vegetables and fruits.

Lamdoc® 50EC

Lambda Cyhalothrin 5%

Non-systemic pyrethroid insecticide with rapid knockdown effect and long residual activity. Provides good control of insect-borne plant viruses. Used to control a wide spectrum of insect pests in cereals, ornamentals, potatoes, vegetables & other crops including: Aphids, Beetles, Thrips, Lepidoptera larvae and Coleoptera larvae & adults.

Mallet® 570EC

Malathion 57%

Non-systemic organophosphorus insecticide / acaricide for control of Coleoptera, Diptera, Hemiptera, Hymenoptera and Lepidoptera in a wide range of crops. With contact, stomach, and respiratory action as Cholinesterase inhibitor. Used as general use insecticide and for locust control.

Mallet® 960ULV

Malathion 96%

Non-systemic organophosphorus insecticide for control of locust and Coleoptera, Diptera, Hemiptera, Hymenoptera and Lepidoptera in a wide range of crops.

Cobracide® 400EC

Methidathion 40%

Non-systemic organophosphorus insecticide and acaricide for control of a wide range of sucking and chewing insects (especially scale insects) and spider mites in many crops. Mode of action: non-systemic with contact and stomach action. Pests: Scale insects, Mealybug, Aphids & others.



Pesticides





Pesticides



Insecticides 7/7

Bon Oil® 965EC

Refined Mineral Oil 96.5%

Insecticide / acaricide / herbicide / adjuvant. Bon-Oil is used for control of overwintering forms (particularly winter eggs) on fruit trees vines and some ornamentals. With ovicidal activity on spider mites, scale insects and overwintering or summer eggs of insects & mites.

Foliar-oil® 930SC

Refined Paraffin Oil 93%

Acaricide, insecticide, herbicide, adjuvant. Bon-Oil is used for control of overwintering forms (particularly winter eggs) on fruit trees vines and some ornamentals. Used during summer under moderate temperature and as a surfactant and adjuvant to enhance the activity of some herbicides. Acaricide and insecticide with ovicidal activity & contact herbicide. Pests: Spider mites, scale insects and overwintering or summer eggs of insects & mites.

Peston® 500SC

Phenthoate 50%

Non-systemic organophosphorus insecticide for control of several insects and mite species in citrus, olives, fruit trees, cotton, cereals, maize and some vegetables. Mode of action: Non-systemic insecticide and acaricide with contact and stomach action. Pests: Aphids, Scale insects, Leafhoppers, Mealybugs Thrips, whitefly, bollworms & stem borers.

Actikil® 500EC

Pirimiphos-methyl 50%

Broad-spectrum insecticide and acaricide with contact and respiratory action. Penetrates the leaf tissue and exhibits translaminar action. Controls a wide range of chewing insects, sucking insects, boring insects, and mites on vegetables, ornamentals, sugar cane, maize, sorghum, citrus and other fruit, olives, vines, alfalfa, cereals, etc.; and glasshouse pests (especially whiteflies, thrips, mealybugs, aphids and mites) on tomatoes, cucumbers, capsicums, aubergines and other glasshouse crops. Also insects and mites in warehouses, stored grain, animal houses, domestic and industrial premises.

Burly® 100EW

Zeta-Cypermethrin 10%

Non-Systemic pyrethroid insecticide with unique new active ingredient chemical structure and advanced formulation. Contact and stomach activity for control of Beetles ,Aphids, and Lepidoptera in Fruits, Vegetables, Ornamentals and Field Crops including wheat & alfalfa.



Acaricides 1/2

Transact® 18EC

Abamectin 1.8%

Acaricide / insecticide, belongs to unique chemical group extracted from microorganisms. Compatible with Integrated Crop Management (ICM) programs for the control of mites, yellow mites, leafminers, psylla, suckers, beetles, etc... on ornamentals, cotton, citrus fruit, pome fruit, nut crops, vegetables, potatoes, and other crops. Contact and Stomach activity by stimulating the release of γ -aminobutyric acid, an inhibitory neurotransmitter, thus causing paralysis. Has limited plant systemic activity, but exhibits translaminar movement.

AbaMeck® 36EC

Abamectin 3.6%

Acaricide / insecticide, extracted from microorganisms. Compatible with Integrated Crop Management (ICM) programs for the control of mites, yellow mites, leafminers, psylla, suckers, beetles, etc... on ornamentals, cotton, citrus fruit, pome fruit, nut crops, vegetables, potatoes, and other crops.

Hunter® 200EC

Amitraz 20%

Amidine Acaricide / Insecticide. For control of mites and insects on several crops. Pests include: all stages of Tetranychid and Eriophyid mites, scale insects, mealybugs, whitefly, aphids, and eggs and first instar larvae of Lepidoptera.

Mitoron® 250EC

Bromopropylate 25%

Contact Acaricide product belongs to Benzilate chemical group working against Eriophyid and Tetranychid mites on vegetables, date palms, citrus, fruit trees and ornamentals.

Mitoron® 500EC

Bromopropylate 50%

Concentrated contact Acaricide product belongs to Benzilate chemical group working against Eriophyid and Tetranychid mites on vegetables, date palms, citrus, fruit trees and ornamentals.



Pesticides





Pesticides



Acaricides 2/2

DeVour® 240SC

Chlorfenapyr 24%

Arylpyrrole Acaricide / Insecticide with stomach and some contact action. Exhibits good translaminar activity. For control of many insects and mites, including those resistant to carbamate, organophosphate and pyrethroid insecticides and also chitin-synthesis inhibitors. Effective against *Brevipalpus phoenicis* (leprosis mite), *Leptinotarsa decemlineata* (Colorado potato beetle), *Helicoverpa* spp., *Heliothis* spp., *Plutella xylostella* (diamond-back moth) and *Tetranychus* spp. in cotton, vegetables, citrus, top fruit, vines and soya beans.

Ethio® 400EC

Ethion 50%

Organophosphorus Acaricide / Insecticide. For control of mites and insects in Date Palm, fruit trees, vines and vegetables. Active against mobile stages of mites, also against overwintering forms of many species. Mode of action: Non-systemic with contact action. Target pests include: Spider mites, aphids, scale insects, thrips, lepidopterous larvae, leafhoppers and other insects.

Nematicides

Fymate® 24SL

Oxamyl 24%

Systemic Nematicide, controls nematodes and chewing and sucking insects (including soil insects, but not wireworm) and spider mites in ornamentals, fruit trees, vegetables, Cucurbita, beet, bananas, pineapples, peanuts, cotton, soya beans, potatoes and other crops. Mode of action: Contact and systemic insecticide, acaricide, and nematicide. Absorbed by the foliage and roots, with translocation.



Fungicides 1/4

Azox® 250SC

Azoxystrobin 25%

Broad spectrum methoxyacrylate fungicide with protectant, curative, eradicator, translaminar and systemic properties. It inhibits spore germination and mycelial growth, and also shows antispore activity. Used for control of Phytophthora, Alternaria, Monilinia, Pythium, Rhizoctonia, Plasmopara, Uncinula, Sphaerotheca, Pseudoperonospora, Mycosphaerella, Erysiphe, Puccinia, Leptosphaeria, Septoria, Pyrenophora, Pyricularia, Sclerotium, Cladosporium, Colletotrichum, Guignardia and Hemileia on vegetables, cereals, vines, cucurbits, potato, tomato, peanut, peach, turf, banana, pecan, citrus and coffee.

Fundazim® 500SC

Carbendazim 50%

Systemic benzimidazole fungicide with protective and curative action. Absorbed through leaves and roots system, with translocation acropetally. Used to control Leaf and glume spot, Rots, Powdery mildew, White leaf spot, Eye spots, Stem rots & Early blights on vegetables, tomatoes, potatoes, cereals, grapes and stone fruits.

Divizole® 60FS

Difenoconazole 6%

Systemic triazole fungicide with preventive and curative action for Seeds treatment. Absorbed by the leaves, with acropetal and strong Translaminar translocation. effective against Leaf spot, Root rot, Anthracnose, Black rot, Brown spot, Stem rot & Damping off on grapes, stone fruit, potatoes, cereals, ornamentals and vegetable crops.

Scorpio® 250EC

Difenoconazole 25%

Systemic triazole fungicide with preventive and curative action for foliar applications. Absorbed by the leaves, with acropetal and strong Translaminar translocation. effective against Leaf spot, Root rot, Anthracnose, Black rot, Brown spot, Stem rot & Damping off on grapes, stone fruit, potatoes, banana, cereals, ornamentals and vegetable crops.

NovEx® 250SC

Flutriafol 25%

Contact and systemic fungicide with eradicator and protective action. Absorbed by the foliage, with translocation acropetally in the xylem. Controls a broad spectrum of leaf and ear diseases (including Erysiphe graminis, Rhynchosporium secalis, Septoria spp., Puccinia spp., Helminthosporium teres and Helminthosporium tritici-repentis) in cereals.



Pesticides





Pesticides



Fungicides 2/4

Hexar® 50EC

Hexaconazole 5%

Systemic triazole fungicide with protective & curative action for the control of Powdery mildew & many fungi, particularly *Ascomycetes* and *Basidiomycetes* e.g. *Podosphaera*, *Venturia*, *Guignardia*, *Uncinula*, *Hemileia* & *Cerospora* on vegetables, fruit trees, vines, ornamentals & other crops. Curative and protective action.

Terrazol® 300SL

Hymexazol 30%

Systemic soil and seed fungicide control of soil-borne diseases caused by *Fusarium*, *Aphanomyces*, *Pythium*, *Corticium* & *Typhula* spp., etc. in vegetables, cucurbits, ornamentals & seedlings. Curative and protective action.

Corval® 500SC

Iprodione 50%

Contact fungicide belongs to dicarboximide group, with protective and curative action, inhibits germination of spores and growth of fungal mycelium. Used for the control of *Botrytis*, *Monilia*, *Sclerotinia*, *Alternaria*, *Corticium*, *Fusarium*, *Helminthosporium*, *Phoma*, *Rhizoctonia*, *Typhula* spp., etc. Mainly on cereals, sunflowers, fruit trees, berry fruit, cotton, vegetables, vines and turf as a foliar spray. Also post-harvest dip, as a seed treatment, or as a dip or spray at planting.

Ridoxyl® 240EC / 480EC

Metalaxy M 24%

Systemic benzimidazole fungicide with protective and curative action. Absorbed through leaves and roots system, with translocation acropetally. Use on vegetables for soil born pathogens on tomatoes, potatoes, cereals, grapes and stone fruits.

Butanil® 125EC

Myclobutanil 12.5%

Contact and systemic triazole fungicide with eradicator and protective action. Absorbed by the foliage, with translocation acropetally in the xylem. Inhibits ergosterol biosynthesis (sterol demethylation inhibitor), causing fungal cell wall collapse and inhibition of hyphal growth. For control of a broad spectrum of leaf and ear diseases (including *Erysiphe graminis*, *Rhynchosporium secalis*, *Septoria* spp., *Puccinia* spp., *Helminthosporium teres* and *Helminthosporium tritici-repentis*) in cereals.



Fungicides 3/4

Butanil® 24EC

Myclobutanil 25%

Contact and systemic triazole fungicide with eradicator and protective action. For control of a broad spectrum of leaf and ear diseases (including *Erysiphe graminis*, *Rhynchosporium secalis*, *Septoria* spp., *Puccinia* spp., *Helminthosporium teres* and *Helminthosporium tritici-repentis*) in cereals.

Funraz® 400EC

Prochloraz 40%

Systemic Triazole fungicide with protective & curative action for the control of Powdery mildew & many fungi, Particularly Ascomycetes and Basidiomycetes e.g. *Podosphaera*, *Venturia*, *Guignardia*, *Uncinula*, *Hemileia* & *Cerospora* on vegetables, fruit trees, vines, ornamentals & other crops.

Procure® 722SL

Propamocarb HCl 72%

Contact dicarboximide fungicide with protective and curative action. Inhibits germination of spores and growth of fungal mycelium. Used for the control of *Botrytis*, *Monilia*, *Sclerotinia*, *Alternaria*, *Corticium*, *Fusarium*, *Helminthosporium*, *Phoma*, *Rhizoctonia*, *Typhula* spp., etc. Mainly on sunflowers, cereals, fruit trees, berry fruit, cotton, vegetables, and vines as a foliar spray and on turf. Also post-harvest dip, as a seed treatment, or as a dip or spray at planting.

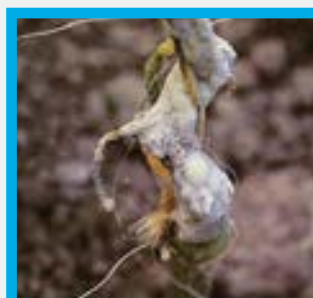
Tilzole® 250EC

Propiconazole 25%

Systemic benzimidazole fungicide with protective and curative action. Absorbed through leaves and roots system, with translocation acropetally. Use on vegetables, tomatoes, potatoes, cereals, grapes and stone fruits.



Pesticides





Pesticides



Fungicides 4/4

Sulfin® 800SC

Sulfur 80%

Non-systemic protective fungicide with contact and vapour action. Secondary acaricidal activity Controls scab; powdery mildews, on fruits, cucumbers, vegetables, and in forestry; shot-hole of stone fruit; and acarinoses of vines. Also controls mites (particularly Eriophyid mites) on a range of crops.

Talent® 60FS

Tebuconazole 6%

Highly effective Triazole Systemic fungicide, for seeds treatment steriod demethylation (ergosterol biosynthesis) inhibitor. With protective, curative, & eradicator action. Controls several fungus diseases on many crops. Good efficacy on rust, powdery mildew, Septoria spots, Fusarium and early blights and soil fungus.

Talent® 250EC

Tebuconazole 25%

Systemic soil and seed fungicide with curative and protective action to control soil-borne and foliar diseases caused by Fusarium, Aphanomyces, Pythium, Corticium & Typhula spp., etc. in vegetables, cucurbits, ornamentals & seedlings.

Trinol® 250EC

Triadimenol 25%

Systemic Triazolefungicide with protective, curative and eradicator action. Absorbed by the roots and leaves, with ready translocation in young growing tissues. Controls powdery mildews, rusts and Rhynchosporium in cereals, and, when applied as a seed treatment, control of bunt, smuts, Typhula spp., seedling blight, leaf stripe, net blotch and other cereal diseases. Also used on vegetables, ornamentals, coffee, hops, vines, fruit, tobacco, sugar cane, bananas and other crops.



Herbicides 1/3

2.4-Kill® 500SL

2.4-D amin 50%

Selective post-emergence systemic herbicide (aryloxyalkanoic acid), for control of annual and perennial broad-leaved weeds in cereals, orchards and on non-crop land. Synthetic growth inhibitor auxin (acting like indolylacetic acid) readily absorbed and accumulate at the meristematic regions. Targeted weeds: broad-leaved weeds.

Herbex® 300SL

2.4-DB 30%

Selective, systemic, hormone-type "Synthetic auxin" (phenoxyacetic acid), herbicide, absorbed by the foliage, with translocation, acting like indolylacetic acid. More selective than 2,4-D, because its activity is dependent on b-oxidation to the latter within the plant. Post-emergence control of many annual and perennial broad-leaved weeds in alfalfa, clovers, under sown cereals, grassland, forage legumes, soya beans, and peanuts.

Nutrazin® 500SC

Atrazine 50%

Selective pre- and post-emergence systemic herbicide for control of annual broad-leaved weeds and annual grasses in maize, sorghum, sugar cane, pineapples, chemical fallow, grassland, macadamia nuts, conifers, and industrial weed control. Used also in combinations with many other herbicides.

Bromox® 280EC

Bromoxynil 28%

Selective contact post-emergence herbicide (hydroxybenzoxazole), with some systemic activity. Absorbed by the foliage, with limited translocation for control broad leaves weed. Targeted weeds: annual broad-leaved weeds, especially young seedlings of the Polygonaceae, Compositae, and certain Boraginaceae, in cereals and non-crop land.

Clemax® 240EC

Clethodim 24%

Systemic herbicide, rapidly absorbed and readily translocated from treated foliage to the root system and growing parts of the plant. Fatty acid synthesis inhibitor, by inhibition of acetyl CoA carboxylase (ACCase). Used for post-emergence control of annual and perennial grasses in a wide range of broad-leaved crops (including such field crops as alfalfa, soya beans, cotton, sunflowers, peanuts, oilseed rape, sugar beet, and potatoes), vegetable crops, trees and vines. To be used with a non-phytotoxic crop oil concentrate.



Pesticides





Pesticides



Herbicides 2/3

WeedMaster®

Diflufenican	4%
Ioxynil	7.5%
Bromoxynil	12.5%

Post-emergence herbicide combining three active ingredients for the control of a wide range of annual broad-leaved weeds, in cereals and forages.

Fusban® 125EC

Fluazifop-p-butyl 12.5%

Selective post-emergence (Aryloxyphenoxypropionate) herbicide, quickly absorbed through leaves, and translocated through the phloem & xylem, accumulating in rhizomes, stolons and meristems. Controls annual and perennial grass weeds, wild oats and volunteer cereals, in potatoes, vegetables, cotton, soya beans, fruits, vines, citrus, bananas, strawberries, alfalfa, ornamentals, and other broad-leaved crops

Tiller® 480SL /Spectra® 480SL

Glyphosate IPA 48%

Non-selective, broad spectrum post-emergence systemic herbicide (glycine derivative). Absorbed by foliage, with rapid translocation throughout the plant. Controls annual & perennial grasses and broad-leaved weeds in orchards & non-crop land. Inactivated on contact with soil.

Axynil® 225EC

Ioxynil Octanoate 22.5%

Post-emergence (hydroxybenzotriole) herbicide for a wide range of annual broad-leaved weeds, especially young seedlings of the Polygonaceae, Compositae, and Boraginaceae, in cereals, onions, leeks, garlic, shallots, flax, sugar cane, forage grasses, lawns, and newly-sown turf. Selective contact herbicide with some systemic activity.

Isotron® 500SC

Isoproturon 50%

Selective systemic Pre- and post-emergence herbicide(urea), absorbed by the roots and leaves, with translocation for control of annual grasses (*Alopecurus myosuroides*, *Apera spica-venti*, *Avena fatua* & *Poa annua*) & annual broad-leaved weeds in wheat (except durum wheat) and barley.



Herbicides 3/3

Leafiron® 480SC

Linuron 48%

Selective systemic Pre- and post-emergence herbicide, absorbed principally by the roots. Controls annual grass and broad-leaved weeds, and some seedling perennial weeds, in carrots, asparagus, parsley, celery, onions, garlic, potatoes, peas, soya beans, cereals, maize, cotton, sunflowers, ornamentals, vines, bananas and other crops.

Malkin® 400SL

MCPA 40%

Selective systemic, hormone-type (aryloxyalkanoic acid) post-emergence herbicide for control of annual and perennial broad-leaved weeds in narrow leaved crops, cereals, under fruit trees, and on roadside, etc., Concentrates in the meristematic regions, where it inhibits growth.

Triocide® 525EC

MCPA 37.5%
Ioxynil 7.5%
Bromoxynil 7.5%

Post emergence cereal selective herbicide for control of broad leaved weeds in wheat and barley.

Roxar® 250EC

Oxadiazon 25%

Selective Herbicides used pre and post emergence. Control annual and perennial broad and narrow leaved weeds at early stage in Onion, garlic grapes and vegetables.

Penmort® 330EC

Pendimethalin 33%

Selective (dinitroaniline) pre-emergence herbicide for control of most annual grasses and many annual broad-leaved weeds in cereals, onions, leeks, garlic, maize, carrots, potatoes, lettuce, established turf, fruit trees, and in transplanted tomatoes as pre-plant incorporated, pre-emergence, pre-transplanting, or early post-emergence. Microtubule assembly inhibition, absorbed by the roots and leaves. Plants die shortly after germination or following emergence from the soil.

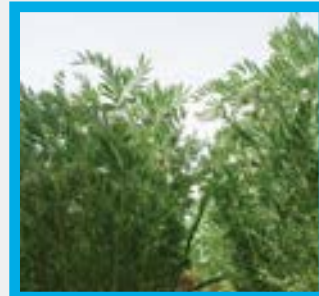
PrePlant® 480EC

Trifluralin 48%

Selective (dinitroaniline) pre-emergence soil-herbicide for control of many annual grasses and broad-leaved weeds in several selected crops. It also can be used with other herbicides for control of annual grasses and broad-leaved weeds in cereals (for more detailed information please contact any of our techno-commercial engineers). Acts by entering the seedling in the hypocotyl region. Also inhibits root development. Application: Weeds pre-emergence. Target weeds: broad and narrow leaved-weeds (pre-planting).



Pesticides





PGRs



Plant Growth Regulators

Chaperon® Fruit setting stimulator

Fruit setting and growth stimulator in vegetable crops in hard conditions especially greenhouse tomatoes.

PreStage® 8EC Forchlorfenuron 0.8%

Promotes cell division, differentiation and development; induces budding, breaks dormancy of lateral buds and promotes germination of apical dominance; delays ageing process; regulates the transport of nutrients and promotes fruit formation, etc. Used to promote fruit set increase the fruit size and yield of grapes, kiwi fruit, peaches; melons, pumpkins, cucumbers, potatoes and wheat, and promote branching in apples.

Dormex® Hydrogen cyanamide 52%

Is a plant regulator which hastens bud development of grapes, pomegranate and stone fruit which leads to earlier bud break, uniformity of growth and better management. Dormex is metabolized in plants in few days only, degradation in soil happens in short period.

Q-Set® Naphthyl Acetamide 1%

Plant Growth Regulator (PGR): To induce flowering, prevent premature flower and fruit drop and improve fruit setting in squash, melons, watermelon, tomato, aubergines, apples, pears, grapes, guavas, mangoes, citrus fruits, olives, etc.



Adjuvant / Surfactants

InGo® 200

Organo-Modified Trisilaxone

Super Wetter/ Spreader / Penetrant / Surfactant. INGO 200 represents new generation of non-ionic surfactants for use with wide range of Agrochemicals. INGO 200 allows spray solution to spread and penetrates plant surfaces instantly which allow using lowest recommended rate of agrochemicals efficiently, Maximizing instant effect of agrochemicals and decreasing effect of wash and run of spray solutions. As a result effected by prompt penetration.

StickTo®

Nonylphenoxy polyethoxyethanol

Nonly phenol ethylene oxide condensate 92%w/w. Multipurpose adjuvant (Spreader-Sticker-Wetting Agent), used with majority of Agrochemicals to improve their efficacy, enhances solubility / compatibility of Pesticides, Fertilizer & Trace Elements in spray solutions, and to improves absorption by plants and enhances chemical effectiveness and coverage of spray solutions.

Captain® / Boss® 20CS

pH Regulator

pH Regulator, Wetting & Spreading Agent to increase pesticides efficiency stability, distribution and penetration of chemicals and fertilizers and reduce the run off plant treated areas.

C-Deck®

Alky Polycoside Di-ethylene Glycol

Spreader / sticker + Diethylene Glycol. C-Deck is used as a carrier in pesticide application in thermal fogging and ULV machines (odorless).

Green Turf®

Turf Colorant

A grass colorant used to color tired ,discolored , and yellow turf during cold weather , is well known for use in private and public gardens , football grounds and golf courses.

Turf liner®

Turf Colorant (W/Y)

Used as colorant to mark lines and borders on turf in sports playgrounds and public and private gardens. TURFLINER White / Yellow is highly stable & does not wash by irrigation or rain water.



Adjuvants





Fertilizers



Granular NPK 1/2



Appearance
Colored
Homogeneous
Granules
Packing
25 Kg
50 Kg

Premium quality chemically blended homogeneous Granular Fertilizer

GRANSol is designed to give the plants optimum nutrients requirements as released gradually during the planting season.

GRANSol is manufactured with the perfect particles firmness to suite soil types across the region.

GRANSol is free of Chlorine and Sodium.

GRANSol formulas are designed to suite all kind of plants throughout the various stages of plants life.

GRANSol contains optimum amounts of Chelated Trace Elements.

Available Formulas:

12-12-17+2MgO+TE



18-18-5+1.5MgO+TE



25-25-0+2MgO+TE



15-15-15+TE



Fe	Cu	Zn	Mn	Mo
400 ppm	50 ppm	200 ppm	100 ppm	20 ppm



Granular NPK 2/2

Palm Secrets®

15-5-20 + 3 MgO + 6 HA

Appearance
Black
Homogeneous
Granules
Packing
25 Kg
50 Kg

Special fertilizer formula designed for Date Palms. Organo-Chemical NPK containing calculated nutrients and other contents for improving soil structure and its water holding capacity.

APPLICATION:

Spread the fertilizer around the palm base and mix thoroughly with soil.
3-4 applications during the season

MgO	S	CaO	HA	TE
3%	8%	3%	6%	0.5%



Fertilizers





Fertilizers



Compound Soluble NPK 1/6

NORUS
%100 Soluble Fertilizer

Low EC Fertilizer



Appearance
Red
Crystalline
Powder

Packing
1 Kg, 10 Kg
25 Kg

Norus is a well-known famous brand of ASTRACHEM NPKs that has been subject to many years of R&D intensive work to reach the perfect formulas that assure the highest efficiency in absorbing nutrients by the plant and in the same time quick results.

Product features

- **Norus** is manufactured of High Quality, pure, technical grade raw materials.
- Inputs and raw materials are based on Nitrates to assure the highest production and best fruit qualities.
- **Norus** contains good ratios of trace elements that are all chelated.
- Raw materials in **Norus** Guarantees low pH to be freely used in saline and high pH soils.
- Raw materials in **Norus** Guarantees low EC to be freely used in saline and high pH irrigation water.
- **Norus** contains our secret recipe of Synergizers to assure the perfect performance.
- **Norus** is 100% soluble.
- **Norus** is Free of Chlorine and Sodium
- **Norus** is suitable for Foliar application and also for all kinds of Fertigation systems.
- All trace elements in **Norus** are from chelated sources.

MgO	Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
200 ppm	600 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm

BASF
The Chemical Company

Formulas:

20.20.20+TE

12.12.36+TE

15.30.15+TE

15.15.30+TE

20.10.20+TE

28.14.14+TE

17.10.27+TE

5.37.37+TE

12.0.43+MgO+S

10.52.10+TE

13.5.40

12.45.12+TE

31.0.5



NORUS
%100 Soluble Fertilizer

Compound Soluble NPK 2/6



Acidic Fertilizer

Low pH

Libro Brand is considered one of most important NPK brands, with raw materials picked carefully to fit the MENA & GCC soils and environment, The blend is designed to give quick results and assure to the farmer high production and good quality of the final produce. **Libro** is available in many formulas to suite all the crops and all the plant growth stages.

- **Libro** contains high standards, pure, Technical grade raw materials.
- **Libro** is based on both Nitrates and Sulphates inputs with balanced ratios to assure good performance on the plant.
- **Libro** inputs assure that it has low pH value to be suitable for use in Saline and high pH soils.
- TE in **Libro** are of good ratios based on Chelates and Sulphates.

MgO	Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
200 ppm	600 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm



Formulas:

19.19.19+TE

16.8.24+TE

12.12.38+TE

15.30.15+TE

10.45.10+TE

10.10.43+TE

17.17.17+TE

20.20.20+TE

30.10.10+TE

10.52.10+TE

15.15.30+TE

17.10.27+TE

31.0.5

13.5.40+TE

13.40.13+TE

20.10.20+TE



Fertilizers





Fertilizers



Compound Soluble NPK 3/6



Appearance:
Red
Crystalline
Powder

Packing:
10 Kg
25 Kg

Farmer is considered the best friend for the farmer due to its famous formulas that suits all crops and all plant growth stages with affordable prices, and suitability to open fields and indoor crops, it was established years ago and proved to perform very well in the field with high efficiency in the plant.

- Pure technical grade raw materials.
- Good percentage of Mg and Sulphates.
- Good ratio of TE.
- Very suitable for Open Field vegetables and Field crops.

MgO	Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
200 ppm	400 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm

BASF
The Chemical Company

Formulas:

20.20.20+TE

13.5.40+TE

28.14.14+TE

10.52.10+TE

17.10.27+TE

12.12.36+TE

10.10.40+TE

15.15.30+TE

15.30.15+TE

20.10.20+TE





Compound Soluble NPK 4/6



International Ltd- UK

Urea Free

Appearance:
Red
Crystalline
Powder

Packing:
10 Kg, 25 Kg

AGGIS NPK is the fruit of a strategic Joint Venture between Astra Industrial Complex (Saudi Arabia) and **AGGIS UK**, it is manufactured from the purest raw materials under the standards of UK, and has many advantages that suites our soils, water and extreme environments:

- **AGGIS** is a Urea Free NPK Brand.
- All the raw materials and inputs are Technical Grade and very pure.
- 100% Soluble formulas.
- Designed to suite the extreme weather such as very cold and very hot conditions.
- Assure high performance and high efficiency under extreme weather stress conditions.

Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
600 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm

Formulas:

- 10-35-10+7MgO+15SO₃+TE** **10-35-10+TE** **10-45-10+TE**
- 18-18-18+1MgO+5SO₃+TE** **18-18-18+TE** **20-20-20+TE**
- 15-5-35+3MgO+6SO₃+TE** **10-5-40+TE** **16-8-24+TE**



Fertilizers





Fertilizers



Compound Soluble NPK 5/6

OPTIMAL
100% WATER SOLUBLE FERTILIZER

Appearance
Red
Crystalline
Powder

Packing
10 Kg
25 Kg

The highest efficiency in absorbing nutrients by the plant and in the same time quick results. Manufactured of High Quality, pure, technical grade raw materials. Inputs and raw materials are based on Nitrates to assure the highest production and best fruit qualities. Contains good ratios of trace elements that are all chelated.

Raw materials Guarantees low pH to be freely used in saline and high pH soils and low EC to be freely used in saline and high pH irrigation water.

- 100% soluble.
- Free of Chlorine and Sodium

MgO	Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
200 ppm	400 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm

Formulas:

20-20-20+TE

12-12-36+TE

15-30-15+TE

10-52-10+TE

13-5-40+TE

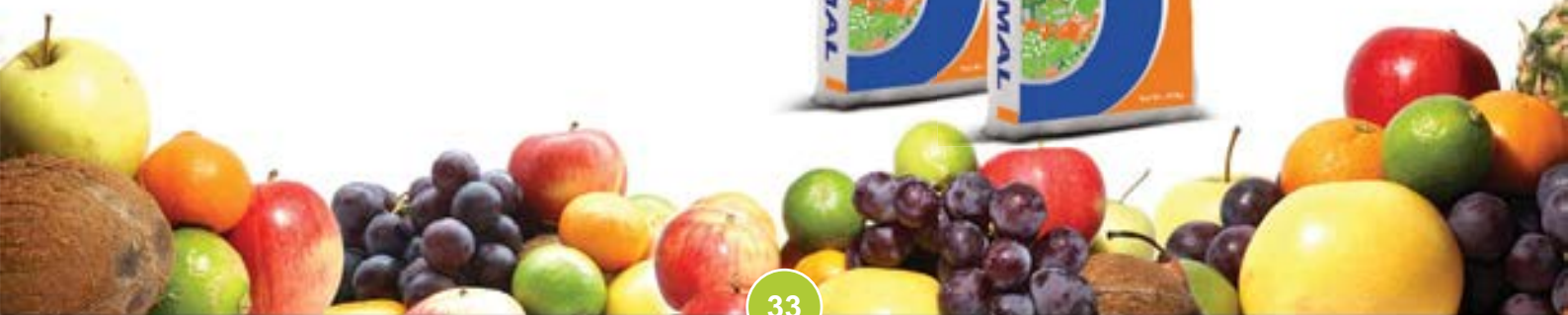
10-10-40+TE

15-15-30+TE

8-8-36+TE

17-10-27+TE

19-19-19+TE



Water Soluble NPKs

Brand / Formula	Growth Stage	Nutrients Contents %					Trace Elements (ppm)						pH (1% solution)	
		Nitrogen (N) %	P ₂ O ₅ %	K ₂ O %	MgO %	SO ₃ %	Fe (ppm)	Cu (ppm)	Zn (ppm)	Mn (ppm)	Mo (ppm)	B ₂ O ₃ (ppm)		
Norus	12-45-12+ TE	Strater	12.0	45.0	12.0	0.02	1.25	600	75	150	250	20	100	4.6
	15-30-15+ TE	Strater	15.0	30.0	15.0	0.02	7.75	600	75	150	250	20	100	4.6
	10-52-10+ TE	Strater	10.0	52.0	10.0	0.02	3.80	600	75	150	250	20	100	4.0
	20-20-20+ TE	Balanced	20.0	20.0	20.0	0.02	2.50	600	75	150	250	20	100	6.5
	12-0-43+ MgO+ S	Fruiting	12.0	0.0	43.0	1.50	8.00							3.0
	12-12-36+ TE	Fruiting	12.0	12.0	36.0	0.02	5.75	600	75	150	250	20	100	4.1
	13-5-40	Fruiting	13.0	5.0	40.0	0.00	6.00							4.8
	15-15-30+ TE	Fruiting	15.0	15.0	30.0	0.02	1.75	600	75	150	250	20	100	4.5
	17-10-27+ TE	Fruiting	17.0	10.0	27.0	0.02	11.50	600	75	150	250	20	100	4.5
	20-10-20+ TE	Fruiting	20.0	10.0	20.0	0.02	13.80	600	75	150	250	20	100	4.0
	5-37-37+ TE	Fruiting	5.0	37.0	37.0	0.02		600	75	150	250	20	100	4.5
	31-0-5	Vegetative	31.0	0.0	5.0									2.5
28-14-14+ TE	Vegetative	20.0	14.0	14.0	0.02	0.05	600	75	150	250	20	100	4.7	
Libro	10-45-10+ TE	Strater	10.0	45.0	10.0	0.02	12.18	600	75	150	250	20	100	4.1
	10-52-10+ TE	Strater	10.0	52.0	10.0	0.05	4.00	600	75	150	250	20	100	4.1
	15-30-15+ TE	Strater	15.0	30.0	15.0	0.05	10.25	600	75	150	250	20	100	3.5
	19-19-19+ TE	Balanced	19.0	19.0	19.0	0.50	8.00	360	100	100	80			4.0
	17-17-17+ TE	Balanced	17.0	17.0	17.0	0.02	24.00	600	75	150	250	20	100	4.0
	20-20-20+ TE	Balanced	20.0	20.0	20.0	0.02	4.00	600	75	150	250	20	100	4.0
	10-10-43+ TE	Fruiting	10.0	10.0	43.0	0.02	5.25	600	75	150	250	20	100	3.1
	17-10-27+ TE	Fruiting	17.0	10.0	27.0	0.02	6.00	600	75	150	250	20	100	7.0
	16-8-24+ TE	Fruiting	16.0	8.0	24.0	0.02	30.00	600	75	150	250	20	100	3.0
	12-12-36+ TE	Fruiting	12.0	12.0	36.0	0.02	14.50	600	75	150	250	20	100	4.0
	20-10-20+ TE	Fruiting	20.0	10.0	20.0	0.02	16.00	1200	56	56	80	4	96	7.0
	13-5-40+ TE	Fruiting	13.0	5.0	40.0	0.02	11.00	600	75	150	250	20	100	3.3
15-15-30+ TE	Fruiting	15.0	15.0	30.0	0.02	11.75	600	75	150	250	20	100	3.0	
31-0-5	Vegetative	31.0	0.0	5.0									2.5	
Farmer	10-52-10+ TE	Strater	10.0	52.0	10.0	0.05	4.00	400	75	150	250	20	100	4.1
	15-30-15+ TE	Strater	15.0	30.0	15.0	0.05	10.25	400	75	150	250	20	100	4.0
	20-10-20+ TE	Balanced	19.0	19.0	19.0	0.02	13.75	400	75	150	250	20	100	4.0
	20-20-20+ TE	Balanced	20.0	20.0	20.0	0.02	4.00	400	75	150	250	20	100	4.1
	10-10-43+ TE	Fruiting	10.0	10.0	43.0	0.02	5.50	400	75	150	250	20	100	5.2
	12-12-36+ TE	Fruiting	12.0	12.0	36.0	0.02	14.50	400	75	150	250	20	100	3.0
	17-10-27+ TE	Fruiting	17.0	10.0	27.0	0.02	10.00	400	75	150	250	20	100	4.8
	13-5-40+ TE	Fruiting	13.0	5.0	40.0	0.02	11.25	400	75	150	250	20	100	3.4
	15-15-30+ TE	Fruiting	15.0	15.0	30.0	0.02	11.75	400	75	150	250	20	100	3.3
28-14-14+ TE	Vegetative	28.0	14.0	14.0	0.02	0.00	400	75	150	250	20	100	4.0	
Aggis	10-35-10+ 7MgO+ 15 SO ₃ + TE	Strater	10.0	35.0	10.0	7.00	14.75	600	75	150	250	20	100	4.9
	10-45-10+ TE	Strater	10.0	45.0	10.0	0.02	12.05	600	75	150	250	20	100	3.7
	18-18-18+ 1 MgO+ 5 SO ₃ + TE	Balanced	18.0	18.0	18.0	1.00	9.40	600	75	150	250	20	100	4.5
	20-20-20+ TE	Balanced	20.0	20.0	20.0	0.02	5.00	600	75	150	250	20	100	3.8
	10-5-40+ TE	Fruiting	10.0	5.0	40.0	0.02	21.55	600	75	150	250	20	100	2.4
	16-8-24+ TE	Fruiting	16.0	8.0	24.0	0.00	20.00	600	75	150	250	20	100	6.1
	15-5-35+ 3 MgO+ 6 SO ₃ + TE	Fruiting	14.5	5.0	35.0	3.00	6.00	600	75	150	250	20	100	4.6
Optimal	10-52-10+ TE	Strater	10.0	52.0	10.0	0.02	3.98	400	75	150	250	20	100	4.0
	15-30-15+ TE	Strater	15.0	30.0	15.0	0.02	10.30	400	75	150	250	20	100	3.0
	19-19-19+ TE	Balanced	19.0	19.0	19.0	0.02	14.38	400	75	150	250	20	100	4.0
	20-20-20+ TE	Balanced	20.0	20.0	20.0	0.02	9.75	400	75	150	250	20	100	4.5
	08-08-36+ TE	Fruiting	8.0	8.0	36.0	0.02	34.00	400	75	150	250	20	100	4.2
	12-12-36+ TE	Fruiting	12.0	12.0	36.0	0.02	18.13	400	75	150	250	20	100	5.0
	13-5-40+ TE	Fruiting	13.0	5.0	40.0	0.02	15.75	400	75	150	250	20	100	4.0
	17-10-27+ TE	Fruiting	17.0	10.0	27.0	0.02	7.75	400	75	150	250	20	100	5.0
	15-15-30+ TE	Fruiting	15.0	15.0	30.0	0.02	17.25	400	75	150	250	20	100	5.0
	10-10-40+ TE	Fruiting	10.0	10.0	40.0	0.02	17.75	400	75	150	250	20	100	5.0
Novaqua	18-18-18+ 2MgO+ TE	Balanced	18.0	18.0	18.0	2.00	10.00	600	75	150	250	20	100	5.0
	16-8-24+ 2MgO+ TE	Fruiting	16.0	8.0	24.0	2.00	18.25	600	75	150	250	20	100	5.0
	20-10-20+ 2MgO+ TE	Fruiting	20.0	10.0	20.0	2.00	13.50	600	75	150	250	20	100	7.0



Compound Soluble NPK 6/6



NOVAQUA NPK

NOVA AQUA is Turkish Brand manufactured by **AstraNova** in Turkey based on the newest technologies to suites all kinds of soils and irrigation water sources and to be suitable for use via both fertigation systems of all kinds and foliar application.

- Very pure raw materials all are technical grade.
- Trace elements are all fully chelated.
- Suitable for foliar application and also for use in all kinds of irrigation systems.
- Turkish Standards.

MgO	Fe	Cu	Zn	Mn	Mo	B ₂ O ₅
200 ppm	600 ppm	75 ppm	150 ppm	250 ppm	20 ppm	100 ppm

Formulas:

18-18-18+ 2MgO+ TE

16-8-24+ 2MgO+ TE

20-10-20+ 2MgO+ TE



Fertilizers:





Fertilizers:



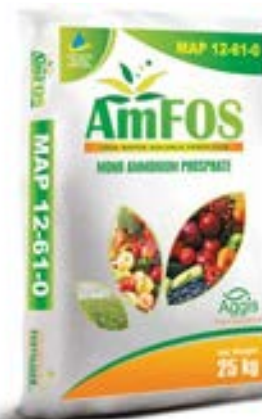
Straight Fertilizers



Straight fertilizers are always available from the worldwide most pure sources, all technical grades with no Sodium (Na) or Chlorine (Cl) content in main formulas, to assure high performance in the plant and very good results in term of production and quality of the final produce.

Straight fertilizers range:

- AMPHOS: MAP highest in phosphorus
- URIPHOS: Powder Highly Acidic Fertilizer
- MAKPHOS: MKP
- SULPHOPOTASH: SOP STANDARD
- SULPHOPOTASH G: SOP GRANULAR
- MAGNISOL: Mg SULPHATES
- AMMONISOL: AMMONIUM SULPHATE white crystals
- POTASSIUM N 13-0-46 chlorine & sulfur free
- CALNIT N: Contains Calcium Nitrate
- Copper Sulfate
- PENTAPHOS
- FOSKOR - Polyphosphous
- Zinc Sulphate



Florabelles 1/3

Calciphite® 114

Calciphite 114 is a result of extensive research and development work that concentrated on production balanced formula that contains Ca (CaO 3.8%) and Phosphorus (P_2O_5 13%) to help farmers planning nutrition and fertigation.

CropShield® 750

Multi-purpose product, applying advanced technology, it is derived from phosphorus acid which forms k-phosphite salt that is rapidly absorbed by a plant, it has a unique "Am-bi-mobile" makes both P (P_2O_5 28%) and K (K_2O 25% extremely easily available. Further more it strengthens plants and enables it to withstand and resist disease factors.

Vantom® 360

Liquid soluble mixture of NPK (16-8-8) with high quality chelated trace elements and Humic acid at pH 4.9 - 5.5 makes this super mix an essential tool for yield maximization.

Humi-Plus®

Liquid soluble mixture of NPK (16-8-8) with high quality chelated trace elements and humic acid at pH 4.9 - 5.5 makes this super mix an essential Tool for yield maximization.

HumiFeed®

Water-soluble Humic acid (80%) applied to improve the plant absorption of fertilizer ions.

Humacare®

Concentrate organic liquid containing 12% (w/w) of humic acid extracted from high quality (leonardite). Activates beneficial soil microorganisms.enhances seeds germination improves soil ability to absorption and water retention Excellent performance under stress conditions.

Aminocute®

Essential amino acids mixture, total amino acids 30% w/v (free amino acids 24% w/v), used to strengthen plant during frost and hard conditions. Can be applied by foliar spray or through irrigation.

FortiHumic® 15

High value liquid Humic and Fulvic acids derived from natural Leonardite



Fertilizers





Fertilizers



Florabelles 2/3

Calbit®

Foliar liquid fertilizer contains Calcium & Boron both chelated with amino acids to guarantee availability and mobility in the plant. Calbit is supplemented with unique biologically active growth enhancers that increase the growth of roots and plant establishment. Calbit aids in reducing ethylene formation which minimizes fruit shedding, consequently greater yield and improved fruit quality. The complexing, wetting agents and stickers in Calbit enhance the coverage of leaves and allow rapid absorption of nutrients through plant leaves and improve their utilization. Contains CaO 10% and B₂O₃ 1.6%

Tefol® 15EC

Essential fertilizer, a result of a lot of efforts and knowledge that were realized the design of this high satisfactory balanced product. It contains TE chelated by synthetic molecules from EDTA's, EDDHA's and DTPA's and organic chelating agents such as Amino Acids and Citric Acid and contains important growth enhancing elements and stimulators.

Use rate: 1.5 - 2 kg /ha

Norus® 7-7-7+TE

Liquid balanced foliar fertilizer contains macro nutrients (N:P:K) and essential trace elements, suitable for all plant stages.

Nutrimix® 10SL

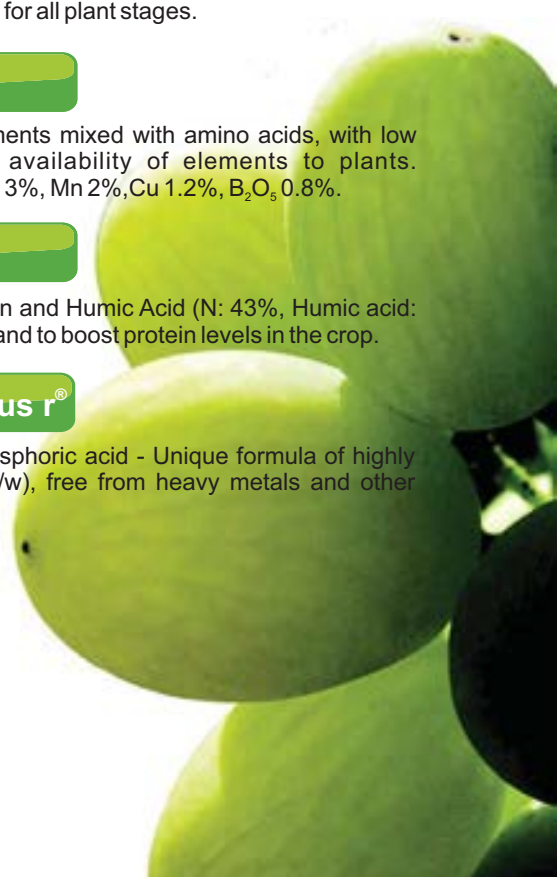
High quality chelated trace elements mixed with amino acids, with low pH (2.5), that improves the availability of elements to plants. It contains: MgO 0.3%, Fe 3%, Zn 3%, Mn 2%, Cu 1.2%, B₂O₃ 0.8%.

Nitrohumax®

A liquid fertilizer contains nitrogen and Humic Acid (N: 43%, Humic acid: 4%) to enhance the plant growth and to boost protein levels in the crop.

FosKor®, Fphosphoplus r®

Pure South African volcanic phosphoric acid - Unique formula of highly purified phosphoric acid 85%(w/w), free from heavy metals and other impurities. Distinguished low pH.





Fertilizers

Phostimal® 3-75-5

Liquid NPK fertilizer for enhancing flowering and root growth at early plant stages.

Star 87®

Liquid acidic NPK fertilizer 15-30-0+6MgO+TE contains Urea Phosphate. With low pH 2

Torpedo®

NPK 40 - 0 - 5 Suspension fertilizer. Contains high ration of Nitrogen for enhancing plant vegetative growth.

Splash-N®

NPK 43 - 0 - 0. Contains high ration of liquid Nitrogen in all forms: Urea, Ammoniac and Nitrate for enhancing plant vegetative growth. Specially during cold temperatures.

Libro-N® 43 - 0 - 0

Contains high ration of Nitrogen in three forms for enhancing plant vegetative growth. Specially during cold temperatures.

Dekaphos®

2 - 33 - 42. Enhances flowering and budding in plants and improve heat tolerance and resistance to cold, drought and hard conditions.

Humi Retaj®

Water soluble fertilizer especially for forages crops (Rhodes grass, alfalfa, sorghum). It provides plant with the essential elements for growth and also contains Humic acid, which improve the availability and absorption of the elements in the soil. Contains N 40%, P₂O₅ 10% and K₂O 10% and other trace elements.





Fertilizers



Bio-stimulants & Supplements

Rooter[®] 5

Concentrated liquid fertilizer, contains natural elements that activate roots growth that is reflected on fruit setting and yield.

Rooter 5 contains elements that help plants to recover fast from stress (drought or high temperature stress).

Vigro[®] 28

VIGRO 28 is a cereal specially biostimulant and the first of a new generation of products, it promotes

tillering, prevent lodging, improve stress tolerance and enhance photosynthesis in wheat crop.

Trigger[®] 3

Foliar spray biostimulant for increasing fruit size of grapes, kiwi, olives, apples, mango and other fruits.

It promotes cell division, differentiation and development. It also regulates the transport of nutrients and promotes fruit formation.

Rezist[®]

Natural organic and stress-resistance enhancer, works by inducing plant systemic acquired resistance (SAR). It also furnishes plant with potassium and natural amino-acids. Rezist can be used on wide varieties of vegetables, orchards, rice and cotton. Very safe to use at anytime -No pre-harvest waiting period is required. Can be used in Organic Farming and Integrated Pest Management Programs (IPM)

Katalyst[®]

Katalyst combines Nitrogen, Boron and Molybdenum in a premium biocatalyst formulation designed for foliar application to provide improved plant stand, increased vigor and higher yield. Katalyst has a stimulating effect upon plants under physiological stress in their early growth stages. Contains Nitrogen (N) 12% and Boron 12% (B_2O_3 37.5%).



Suspension Fertilizers

Calnit® Mg

Calnit Mg (16-0-0+24CaO+3Mgo+TE)

Soluble suspension fertilizer it is a source of calcium and contains another macro- elements like nitrogen, magnesium and trace elements.

Norus® UP 11-40-5+ TE

Norus UP 11-40-5+TE is a totally soluble homogenous suspension fertilizer that creates reasonable effect on lowering pH level in soil solution, which plays an important role in mobility and absorption of nutrients. A significant blend of well-balanced chelated trace elements was added to boost biochemical processes in plants.

Norus® Quadru 3-33-3+TE

Norus Quadru 3-33-3+TE is totally miscible homogenous fluid fertilizer with high-phosphorus content vital for root and shoot growth. A significant blend of well-balanced chelated trace elements was added to enhance vital biochemical plant processes. Only high-grade phosphoric acid was used to guarantee best results.

Norus® K 15-0-45+TE

Acidic suspension fertilizer enriched by potassium element suitable for production stage, the presence of adequate quantities of trace elements providing healthy growth of the plant.

Norus® P 12-50-12+TE

Acidic suspension fertilizer enriched by phosphorus element suitable for blooming stage, the presence of adequate quantities of trace elements providing healthy growth of the plant.

Norus® 25-25-18+TE

Acidic suspension (pH 1.8) balanced quantities of fertilizer elements suitable for all plant growth stages, the presence of adequate quantities and the quality of trace elements provide healthy growth of the plant.



Fertilizers





Fertilizers



Trace Elements 1/2

- Designed to suite the extreme weather such as very cold and very hot conditions.
- Assure high performance and high efficiency under extreme weather stress conditions.
- TE are all chelates with good ratios.

Aggis TE-Fe 6 Fe 6.0%

Aggis TE-Hi Mix 14 Fe 3.4% - Cu 1.7% - Zn 0.6% - Mn 1.8% - B₂O₃ 0.9%

Aggis TE-Ca 14 CaO 14.0%

Aggis TE-Cu 14 Cu 14.0%

Aggis TE-Fe-Hi Fe 7.0%

Aggis TE-Mg MgO 9.7%

Aggis TE-Mn13 Mn 13.0%

Aggis TE-Mix8 Fe 5.6% - Cu 2.6% - Zn 2.6% - Mn 2.6%

Aggis TE- Zn Zn 14.0%

 **Aggis** International Ltd- UK





Trace Elements 2/2

Maxtrain® Fe

High quality granulated chelated Fe EDDHSA 6%. Stable at pH 3 - 11.

Speedo FER®

Chelated Fe EDDHA 6%, Trustable recovery results from Iron chlorosis. Stable at pH 3.5 - 9.

xTream® Fe

Chelated Fe EDDHA 6%, long lasting effect. Stable at pH 3.5 – 9. Product of Akzo Nobel.

Timasol Fe®

Chelated Fe EDDHA 6%, fully chelated 100% (3.2 Ortho-Ortho). Stable at pH 3.5 – 9.

Bruno® Fe

Chelated Fe EDDHA 6%, fully soluble for use in alkaline soils. Stable at pH 3.5 – 9.

Ferrostream® 6%

Ferrostream 6.1% Fe chelates EDDHA first class quality of Fe chelates water-soluble. Designed to adapt with different soil pH values.



Fertilizers





Public Health



Public Health Pesticides 1/5



ASTRACHEM has introduced a new generation of water based Public Health Insecticides manufactured with EcoSafe® Technology. EcoSafe® Technology has been developed in co-operation with strategic partners in the UK and Sweden with the purpose of introducing a line of public health insecticides in which mineral hydrocarbon solvents and volatile organic solvents are removed and replaced by water. Products have better characteristics than traditional formulations (greater efficacy and enhanced safety, low odour, does not stain and exert a greater residual action).

EcoSafe®: Advanced Pesticides Formulations Technology:

- Better Retention,
- Better Uptake,
- Better Spreading,

For more effective and qualitatively improved pest control.

BetaSafe®

Beta-Cyfluthrin 2.5%

Unique Low Odor Water Based Suspension Concentrate Insecticide, can be used indoors and outdoors as both space or surface spray against a wide range of flying and crawling insect pests. Advanced generation pyrethroid controls insects strains of resistant to organophosphates, carbamates and other pyrethroids.

Permene® PLUS

Permethrin	10%
S-Bioallethrin	1%
Piperonyl Butoxide	11%

Water Based Suspension Concentrate Insecticide, for indoors and outdoors pests control as space or long residual surface spray.

Pest: Cockroaches, ants, flies, bedbugs & mosquitoes.

Rate of use: ULV , 1: 4.5 (0.5 L/ ha). Thermal Fogging: 1: 99 (5 L/ ha).



Public Health Pesticides 2/5

AlphaQuest® 100ULV

Alpha Cypermethrin 10%

Pyrethroide insecticide for space treatments.

Pest: Flying insects (mosquitoes and flies).

Rate of use: ULV 1: 49 Spray 0.5 L / ha.

B-Mort® 25

Beta-Cyfluthrin 2.5%

Moderately safe product, have fast Knockdown action and long lasting effect as liquid. Used for controlling home insects and public health insects, and very effective against stored product insects.

Baton® S120

Bifenthrin 5%
Zeta-Cypermethrin 0.5%
S-Bioallethrin 0.5%
Piperonyl Butoxide 6%

Special formulation for controlling insects strains resistant to organophosphorus & carbamate insecticides. It is highly effective control for flying and crawling insects and giving rapid knock down.

Baton® 100EC/ULV

Bifenthrin 10%

Highly effective pyrethroid insecticide against crawling and flying insects. It has a long lasting and dependable action against insects resistant to other pesticide chemical groups.

Rate of use: ranges from 20-50 ml / 100 m2 against mosquitoes.

Cemort® 50EC

Cyfluthrin 5%

Acts on the insects nervous system, with rapid knockdown and long-lasting residual activity. Uses: Effective against many pests, specially cockroaches, flies mosquitoes, bugs, scorpions, termite, stored product insects, fleas and others.

LD50 acute oral (rat): 10,000 mg/Kg.

Rate of use: 40 - 80 ml / 10 L of water (surface residual spray).

Cemort® 15ULV

Cyfluthrin 1.5%

An effective pyrethroid insecticides with fast knockdown action an expanded protection period to control flying insects in public health , eas to use and apply.

Rate of use: 0.5 L / ha.



Public Health





Public Health



Public Health Pesticides 3/5

Geothrin® 50EC Cyphenothrin 5%

High performance against crawling and flying insects, rapid knockdown and long lasting residual effects.

Geothrin plus® 100EC/ULV Cyphenothrin 6% D-Tetramethrin 4%

Pyrethroid insecticide, strong action against flying insects specially mosquitoes and flies with low mammalian toxicity.
Residual spray: 1/119

Cygnel® PLUS 270 Cypermethrin 10% Tetramethrin 1% Piperonyl Butoxide 16%

Effective Long lasting residual insecticide for control of both flying and crawling insect pests: cockroaches, ants, flies, bedbugs & mosquitoes.
Rate of use: ULV 1: 26 (0.5 L / ha). Thermal Fogging: 1: 90 (5 L / ha).
Ld₅₀ acute oral (rat): 5,000 mg/Kg.

Cygnel® 100EC/250EC/250ULV Cypermethrin 10%, 25%

Pest: Cockroaches, ants, bedbugs, flies and mosquitoes.
Rate of use: 100 ml / 5liter water in 50 m2

Klash® 50sc Deltamethrin 5%

Advanced suspension concentrate water based formulation for both indoor and outdoor control of flying and crawling disease vectors and other insect pests.

Klash® 15EC/20ULV Deltamethrin 1.5% ,2%

Pest: flying and crawling insects (mosquitoes, flies, cockroaches,... Etc).
Rate of use: 800ml/100L for 1000 m2.
ULV : 1:9 dilute with(C-Deck,diesel, kerosene) 0.5L/ha.
Thermal fogging: dilute 1:199 and spray for 0.5L/ha.

Klash® Super Deltamethrin 1.5% S-Bioallethrin 0.5 % Piperonyl Butoxide 15%

Effective long residual control of public health and household insects, suitable for ULV machines and thermal fogging.
Pest: Cockroaches, ants, flies, bedbugs and mosquitoes.
Rate of use: ULV 1: 19 (1 L / ha).
Thermal Fogging: 1: 99 (5 L / ha).





Public Health Pesticides 4/5

Diadem[®] 600EC Diazinon 60%

Organophosphorus insecticide
Pest: crawling and flying insects (cockroaches, ants, bugs, mosquitoes).
Rate of use: 100 ml / 5 L water in 50 m² (surface residual).

Fendure[®] 550EC Fenitrothion 50% Tetramethrin 5 %

Pest: Crawling and flying insects (mosquitoes and flies) adults and larval stages.
Rate of use: Thermal fogging 1:4 sprayed 5 L / ha.
ULV: 0.5 L / ha. Surface residual spray: 1 : 50 L of water / 500 m² .

Fendure[®] 500EC/500ULV Fenitrothion 50%

Organophosphorus pesticide for surface residual or space spray.
Pest: Adult and larvae (mosquito, flies).
Rate of use: 1:20 spray 5 L/ha.

Trax[®] 25EC Lambda Cyhalothrin 2.5%

Pyrethroid insecticide
Pest: crawling and flying insects (cockroaches, ants, bed bugs, mosquitoes and flies). LD₅₀ acute oral (rat): > 3000 mg/Kg.
Rate of use: Surface spray 40 ml / m²
ULV: 1:11 spray 0.5 L / ha
Thermal fogging 1:125 (5L/ha)

Trax[®] 220EC Lambda Cyhalothrin 2 % Tetramethrin 4% Piperonyl Butoxide 16%

Pest: flying insects. LD₅₀ acute oral (rat): > 2500 mg/Kg.
Rate of use: Thermal fogging: dilute 1:200 spray 5 L / ha.
ULV: 1:19 spray 0.5 L / ha.



Public Health





Public Health



Public Health Pesticides 5/5

Pyridon® 400EC

Pyridaphenthion 40%

Organophosphorus public health insecticide with contact and stomach action. Pyridon is (organophosphorus) product, strong action against flying insect and larvae like sand fly mosquitoes and flies.

Rate of use: Crawling insects : 1/250

Mosquitoes larvae : 1/1000 water

Malchem® 570EC

Malathion 57%

Organophosphorus pesticide

Pest: Cockroaches, ants, mosquitoes, flies...etc.

Rate of use: 200ml/5L.water sprayed over 1000 m² (surface residual).

Permene® 100EC/250EC

Permethrin 10% , 25%

Pyrethroid insecticide

Pest: flying insects (bugs, mosquitoes, flies,...etc).

Rate of use: surface spray:100 ml /5 L of water.

Thermal fogging: 1: 200

Snap® 230

Permethrin 11%
Tetramethrin 1%
Piperonyl Butoxide 11%

Pest: crawling and flying insects.

Rate of use: surface spray:100ml/5L.water.

Thermal fogging: (1:200)\ULV (1:9).

Actikil® 500EC

Pirimiphos-methyl 50%

Organophosphorus wide spectrum Insecticides used for fogging and surface spraying, long lasting effect with contact and stomach action against flies & mosquitoes.

Rate of use: Diluted 1 : 40 water.





Veterinary Products 1/2

Pesticides for the control of ectoparasites on all kinds of domestic animals.

V-Quest® Alpha-Cypermethrin 10%

Mangetox® 200EC Amitraz 20 %

Mangetox® 125EC Amitraz 12.5%

Cyperdip® 200EC Cypermethrin 20%

Cyperdip® 100EC Cypermethrin 10%

Cyperdip® 400EC Cypermethrin 40%

Delta-dip® 5% Deltamethrin 5%

Delta-dip® 2.5% Deltamethrin 2.5%

Delta-pour® 0.75% Deltamethrin 0.75%

Ectocidol® 600EC Diazinon 60%

Ectocidol® 200EC Diazinon 20%

Ectocidol® 150EC Diazinon 15%

Animals	Ectocidol 600EC		Ectocidol 200EC		Ectocidol 150EC		WP
	Dipping	Spray	Dipping	Spray	Dipping	Spray	
Sheep & Goats	15 ml / hl*	25 ml / hl	45 ml / hl	75 ml / hl	60 ml / hl	100 ml/hl	Milk 7 days
Cattle, Camels & Horses	30 ml / hl	30 ml / hl	90 ml / hl	90 ml / hl	30 ml / hl	120 ml/hl	Meat 14 days

* hl: 100 liter of water



Veterinary





Veterinary



Veterinary Products 2/2

Fen-dip[®] 20% -----● Fenvalerate 20%

Fen-dip[®] 10% -----● Fenvalerate 10%

Flu-pour[®] 1% -----● Flumethrin 1%

Malpour[®] 50% -----● Malathion 50%












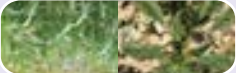
Derma-pour[®] 2% RTU -----● Permethrin 2%

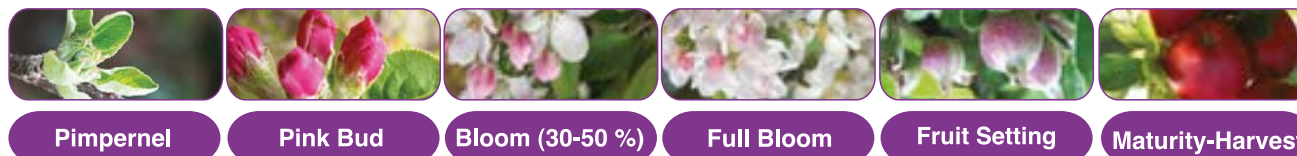
Permethrin Plus[®] -----● Permethrin 1%+
Neomycin sulphate

Paraffin Oil[®]

Copper Sulphate[®]

ASTRACHEM's solutions for pests and diseases of Apples and Pears

Diseases / Pests		Growth Stages	
DISEASES	Apple scab (<i>Venturia inaequalis</i>)		
	Powdery mildew of apple (<i>Podosphaera leucotricha</i>)		
	Codling moth (<i>Cydia pomonella</i>)		
PESTS	Fruit tree aphids (<i>Aphis pomi</i>)		
	Apple ermie moth (<i>Hyponomeuta malinellus</i>)		
	Leaf roller (<i>Archips sp.</i>)		
	Leaf miner (<i>Leucoptera scitella</i>)		
	European red mite (<i>Panonychus ulmi</i>)		
	Two spotted spider mite (<i>Tetranychus urticae</i>)		
	Hawthorn red spider mite (<i>Tetranychus viennensis</i>)		
	Soil pests (<i>Polyphylla spp.</i> , <i>Melolontha spp.</i> , <i>Anoxia spp.</i>)		
	Weeds	Annual and perennial grasses and broad leaved weeds	



Fundazim® 500SC Scorpio® 250EC Hexar® 50EC Telsen® 500SC

Talent® 250EC Butanil® 240EC

Primar® 250SC Alphacide® 100EC

Burly® 100EW Azdar® 15EC

Peston® 500EC Valent® 150SC

Dingo S® 40EC DeVour® 240SC

Cyguard® 10SC Hanaro® 100EC

Mitoron® 250EC


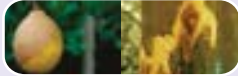











Ethio® 400EC

Transact® 18EC

Dozer® 235EC Montsan® 25EC

Tiller® 480SL

ASTRACHEM's solutions for pests and diseases of Citrus and Limon

Pests/Diseases		Growth Stages	
DISEASES	Alternaria brown spot (<i>Alternaria alternata</i>)		
	Brown rot of citrus (<i>Phytophthora citrophthora</i>)		
	Mal secco of fruits (<i>Phoma tracheiphilla</i>)		
PESTS	Citrus bud mite (<i>Aceria sheldoni</i>)		
	Citrus red mites (<i>Panonychus citri</i>)		
	Cotton aphids (<i>Aphis gossypii</i>)		
	Citrus leafminer (<i>Phyllocnistis citrella</i>)		
	Citrus rust mite (<i>Pyllocoptuta oleivora</i>)		
	Yellow scale (<i>Aonidiella citrina</i>)		
	California red scale (<i>Aonidiella aurantii</i>)		
	Citrus whitefly (<i>Dialeurodes citri</i>)		
	WEEDS	Annual and perennial grasses and broad leaved weeds	
	PCR	Decreasing defloration, increasing fruit setting and yield, preventing fruit abscission	



	Azox® 250SC		Scorpio® 250EC	
	Ridoxyl® 240EC		Terrazol® 30EC	
	ProCop®500SC		ProCop®500SC	
	DeVour® 240SC			
	Mitoron®250EC			
	Deciban® 25EC		Cyprine® 100EC	
	Lamdoc® 50EC		DeVour® 240SC	
	Ethio® 400EC		Mitoron® 250EC	
	Cobracide® 400EC		Bon-Oil® 960EC	
	Lamdoc® 50EC		Acktikil® 500EC	
	Baton® 100EC		Hanaro® 100EC	
	Tiller® 480SL			
	Gibberall® 100T			

ASTRACHEM's solutions for pests and diseases of Corn

Diseases / Pests		Growth Stages					
		Sowing	Emergence	2-4 Leaves	4-8 Leaves	Heading	Corncob
PESTS	Wireworms (<i>Agriotes</i> spp.)		Montsan® 25EC				
	Cutworm (<i>Agrotis segetum</i> , <i>A. ipsilon</i>)		Fymate® 240SL				
	Mole cricket (<i>Gryllotalpa gryllotalpa</i>)		Bazinon® 600EC				
	European corn borer (<i>Ostrinia nubilalis</i>)				Peston® 500EC	ProAct® 50EC	
	Corn stalkborer (<i>Sesemia nonagroides</i>)				Valent® 150SC	Sniper® 75EC	
	Corn weevil (<i>Tanymecus dilaticollis</i>)		Montsan® 25EC				
Weeds	Annual grass and broad leaved weeds		Penmort® 330EC				
	Annual grass and broad leaved weeds				Clemax® 240EC		
	Broad leaved weeds				2,4-Kill® 500EC		

ASTRACHEM's solutions for Diseases and Pests of Cucurbits

Diseases / Pests

Growth Stages



Sowing

Seedling

Seedling Growth

Fruit Setting

Maturity

DISEASES

Damping-off
(*Pythium* spp., *Rhizoctonia* spp.,
Sclerotinia spp., *Phytophthora* spp.,
Fusarium spp., *Alternaria* spp.)



Downy mildew
(*Pseudoperonospora cubensis*)



Powdery mildew
(*Erysiphe* sp.,
Sphaerotheca sp.)



Angular leaf spot
(*P. syringae*)



Gray mould
(*Botrytis cinerea*)



Gummy stem blight
Didymella bryoniae



Root-knot nematodes
(*Meloidogyne* spp.)



**Wireworm (*Agriotes* spp.),
Cutworm (*Agrotis* spp.),
Mole cricket
(*Gryllotalpa gryllotalpa*)**



**Thrips (*Thrips* spp.),
Leafhoppers
(*Empoasca* spp.)**



**White fly
(*Bemisia tabaci*)**



**Aphids (*Aphis* spp.)
(*Myzus persicae*)**



**Two-spotted spider mite
(*Tetranychus urticae*)**



**Leafminer
Liriomyza sp.**



**Cucurbits Fly
*Dacus ciliatus***



PESTS

Terrazol® 300EC

Ridoxyl® 240EC

Procure® 722SL

Azox® 250SC

ProCop® 500SC

Spidoll® 525DF*

Scorpio® 250EC

Trinol® 250EC

Hexar® 50EC

ProCop® 500SC

Corval® 500SC

Sulex® 500SC

Fundazim® 500SC

Telsen® 500SC

Fymate® 24SL

Montsan® 25EC

Imidor® 350SC

ProAct® 50EC

Valent® 150SC

ThripGuard® 35SC

Azdar® 15EC

Imidor® 350SC

Hanaro® 100EC

Baton® 100EC

Acetaplan® 200SL

Acetaplan® 200SL

Burly® 100EW

Dingo S® 40EC

TransAct® 18EC

Mitoron® 250EC

TransAct® 18EC

Cyguard® 10SC

Transact® 18EC

Imodor® 350SC

Deciban® 25EC

Burly® 100EW

ASTRACHEM's solutions for diseases and pests of Eggplant

Diseases / Pests

Growth Stages



Sowing

Seedling

Bloom

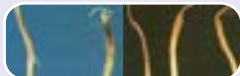
Seedling Growth

Fruit Setting

Maturity-Harvest

DISEASES

Damping-off of vegetables seedlings
(*Pythium* spp., *Rhizoctonia* spp.,
Alternaria spp., *Fusarium* spp.,
Sclerotinia spp.)



Early blight of vegetables
(*Alternaria solani*)



Powdery mildew
of solanaceae
(*Leveillula taurica*)



Gray mould
(*Botrytis cinerea*)



Leafminer
(*Liriomyza* spp.)



Vegetable aphids
(*Aphis fabae*)



Vegetable bollworm
(*Helicoverpa armigera*)



Flower thrips
(*Frankliniella occidentalis*,
F. intonsa)



Leafhoppers
(*Empoasca* spp.)



Thrips
(*Thrips* spp.)



Two spotted spider mite
(*Tetranychus urticae*,
T. cinnabarinus)



Wireworm (*Agriotes* spp.),
Mole cricket
(*Gryllotalpa gryllotalpa*)



Cutworm
(*Agrotis* spp.)



White fly of vegetables
(*Bemisia tabaci*)



PESTS

Terrazol® 300EC Ridoxyl® 240EC

Fundazim® 500SC

Scorpio® 250EC

Sulfin® 800SC

ProCop® 500SC

Telsen® 500SC

TransAct® 18EC

DeVour® 240SC

Acetaplan® 200SL

Lamdoc® 50EC

Sniper® 75EC

Azdar® 15EC

ThripGuard® 35SC

Baton® 100EC

ThripGuard® 35SC

Montsan® 25EC

Valent® 150SC

Baton® 100EC

Hanaro® 100EC

ASTRACHEM's solutions for pests and diseases of Grapes- 1

Diseases / Pests

Growth Stages



Before Bud Out

Bud Swell

Shoots 10-15 cm

Shoots 25-30 cm

Unripened Grape

Color Change

Maturity

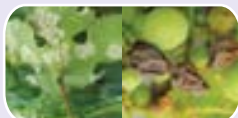
DISEASES

PESTS

Dead-arm disease of grapes
(*Phomopsis viticola*)



Grape downy mildew
(*Plasmopara viticola*)



Grape anthracnose
(*Elisinoe ampelina*)



Grape powdery mildew
(*Uncinula necator*)



Grape gray mold
(*Botrytis cinerea*)



Grape berry moth
(*Lobesia botrana*)



Vineyard thrips
(*Anaphothrips vitis*,
Haplothrips globiceps)



Terrazol® 30EC Ridoxyl® 240EC Procure® 722SL

Azox® 250SC

Fundazim® 500SC

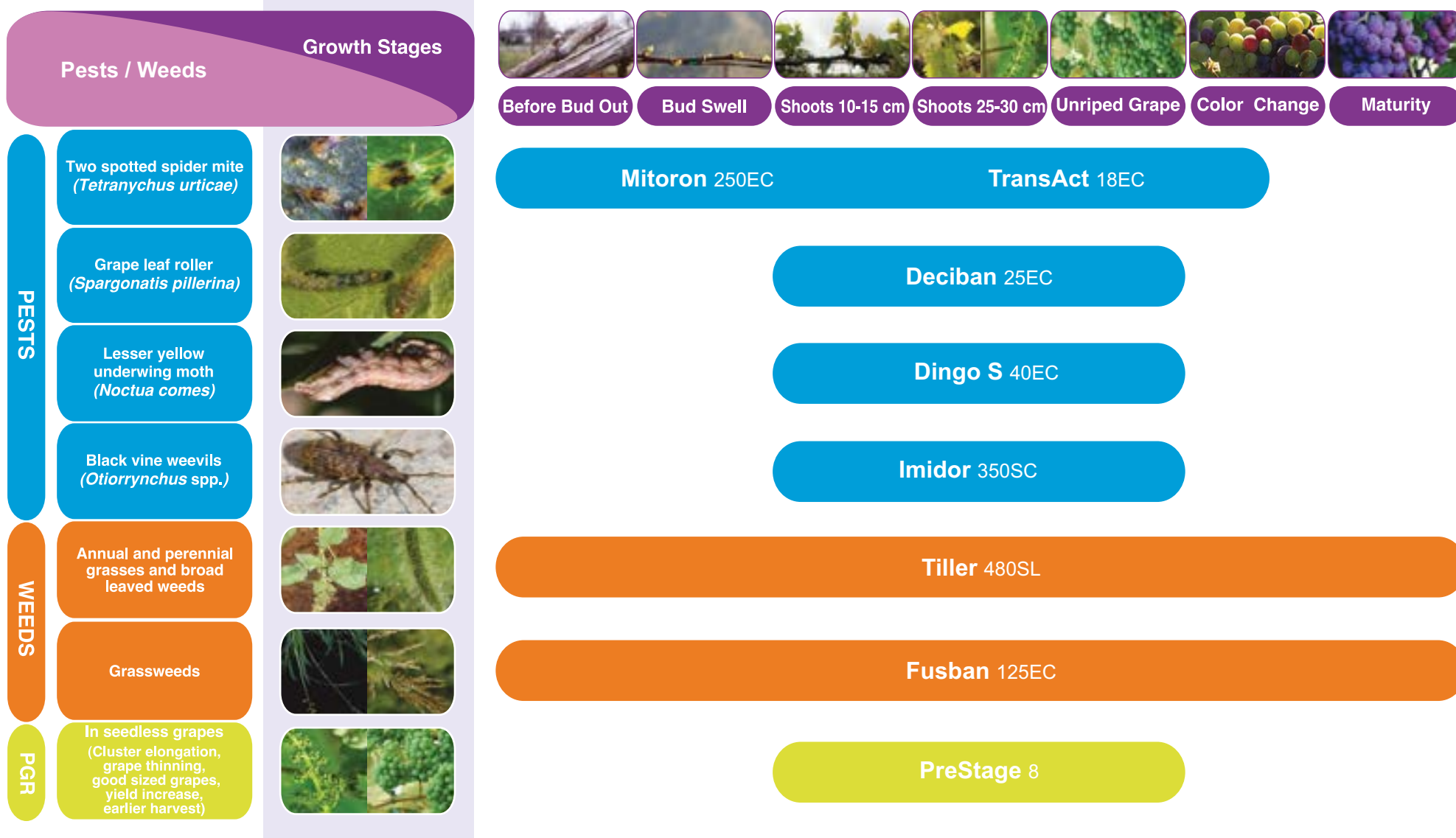
Sulfin® 800SC

Corval® 500SC

ProAct® 50EC

ThripGuard® 35SC

ASTRACHEM's solutions for pests and diseases of Grapes- 2



ASTRACHEM's solutions for pests and diseases of Peach

Diseases / Pests

Growth Stages



Bud Swell

Bloom

Fruit Setting

Color Change

Maturity

Harvest

DISEASES

Peach leaf curly
(*Taphrina deformans*)



Stone fruits blossom blight
(*Sclerotinia laxa*)



California peach blight
(*Coryneum beijerinckii*)



Peach powdery mildew
(*Sphaerotheca pannosa*)



PESTS

Peach twig borer
(*Anarsia lineatella*)



Fruit tree aphids
(*Myzus persicae*)



Two spotted spider mite
(*Tetranychus urticae*)



Hall scale
(*Coccoomytilus halli*)



Root borer
(*Capnodis* spp.)



Weeds

Annual and perennial grasses and broad leaved weeds



PGR

Retard bloom 3-7 days for the next season



Fundazim®500SC

Fundazim®500SC

Corval® 500SC

ProCop® 500SC

Azox® 250SC

Talent® 250EC

ProAct® 50EC

Burly® 100EW

Deciban® 25EC

TransAct® 18EC

DeVour® 240SC

Cobracide® 400EC

Montsan® 25EC

Valent® 150SC

Tiller® 480SL

Gibberall® 100T

ASTRACHEM's solutions for pests and diseases of Peppers

Diseases / Pests

Growth Stages



Sowing

Seedling

Bloom

Fruit Setting

Fruit Growth

Maturity-Harvest

DISEASES

Damping-off of vegetables seedlings (*Pythium* spp., *Rhizoctonia* spp., *Alternaria* spp., *Fusarium* spp., *Sclerotinia* spp.)



Powdery mildew (*Leveillula taurica*)



Flower thrips (*Frankliniella* spp.)



Green peach aphid (*Myzus persicae*)



Cotton bollworm (*Helicoverpa armigera*)



Cotton leaf worm (*Spodoptera littoralis*)



Leafhoppers (*Empoasca* spp.)



Two spotted spider mite (*Tetranychus urticae*, *T. cinnabarinus*)



Thrips (*Thrips* spp.)



Leafminer (*Liriomyza* spp.)



Vegetable green plant bug (*Nezara viridula*)



Wireworm (*Agriotes* spp.), Mole cricket (*Gryllotalpa gryllotalpa*)



Cutworm (*Agrotis* spp.)



PESTS

Ridoxyl[®]240EC
Terrazol[®]30EC

Sulfin[®] 800SC

Scorpio[®] 250EC

DeVour[®] 240SC

Imidor[®] 350SC

Valent[®] 150SC

ProAct[®] 50EC

Acetaplan[®] 200SL

Mitoron[®] 250EC

DeVour[®] 125EC

Dingo S[®] 40EC

Burly 100EW

ProAct[®] 50EC

Hero[®] 113EW

Bazinon[®] 600EC

Montsan[®] 25EC

ASTRACHEM's solutions for pests and diseases of Potatoes

Diseases / Pests		Growth Stages					
		Seed	Germination	Seedling	Bloom	Tubers Setting	Maturity-Harvest
DISEASES	Early blight (<i>Alternaria solani</i>)				ProCop® 500SC		
	Late blight of potato (<i>Phytophthora infestans</i>)				Ridoxyl® 240EC Spidoll® 525EC Procure® 722SL		
PESTS	Potato tuber moth (<i>Phthorimaea operculella</i>)			Montsan® 25EC		Dozer® 235EC	
	Wireworms (<i>Agriotes</i> spp.)			Fymate® 240L			
	Cutworm (<i>Agrotis</i> spp.)			Bazinon® 600EC			
Weeds	Annual grass and broad leaved weeds (pre-emergence)	Penmort® 330EC					
	Broad leaved weeds (pre-emergence)	Leafiron® 480SC			Mendor® 500SC		
PGR	Uniform emergence	Gibberall®100T					

ASTRACHEM's solutions for pests and diseases of Tomato - 1/2

Diseases / Pests

Growth Stages



Sowing

Seedling

Bloom

Fruit Setting

Fruit Growth

Fruit Colored

Maturity-Harvest

DISEASES	Damping-off of vegetables seedlings (<i>Pythium</i> spp., <i>Sclerotinia</i> spp., <i>Phytophthora</i> spp.)	
	Tomato blight (<i>Phytophthora infestans</i>)	
	Bacterial speck of tomatoes (<i>Pseudomonas syringae</i> pv. <i>tomato</i>)	
	Bacterial spot of tomatoes (<i>Xanthomonas campestris</i>)	
	Early blight of vegetables (<i>Alternaria solani</i>)	
	Leaf mould of tomatoes (<i>Cladosporium fulvum</i>)	
	Gray mold (<i>Botrytis cinerea</i>)	
	Powdery mildew (<i>Leveillula taurica</i>)	

Ridoxyl® 240EC
Terrazol® 300EC

Azox® 250EC

Spidoll® DF *

ProCop® 500SC

ProCop® 500SC

Talent® 250EC

Scorpio® 250EC

Fundazim® 500SC

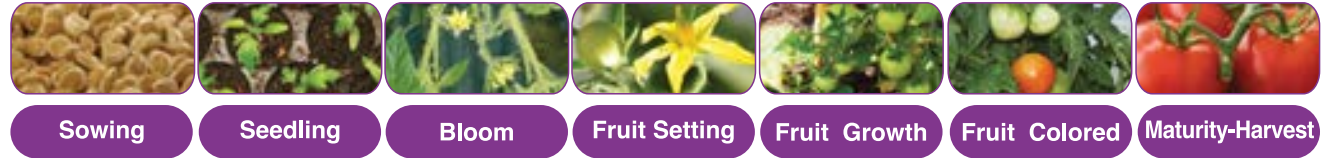
Corval® 500SC

Sulfin® 800SC

ASTRACHEM's solutions for pests and diseases of Tomato - 2/2

Diseases / Pests

Growth Stages



Sowing

Seedling

Bloom

Fruit Setting

Fruit Growth

Fruit Colored

Maturity-Harvest

Wireworm
(*Agriotes* spp.)



Imidor® 350SC

Cutworm
(*Agrotis* spp.)



Montsan® 25EC

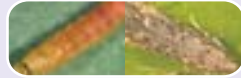
Vegetable bollworm
(*Helicoverpa armigera*)



Lamdoc® 50EC

ProAct® 50EC

Tomato leafminer
(*Tuta absoluta*)



Azdar® 10EC

TransAct® 18EC

Green peach aphid
(*Myzus persicae*)



Acetaplan® 200SC

Burly® 100EW

Two spotted spider mite
(*Tetranychus urticae*)



DeVour® 240SC

TransAct® 18EC

White fly of vegetables
(*Bemisia tabaci*)



Hanaro® 100EC

Baton® 100EC

Tomato russet mite
(*Aculops lycopersici*)



DeVour® 240SC

TransAct® 18EC

Cotton leafworm
(*Spodoptera littoralis*)



Valent® 150SC

ProAct® 50EC

Root-knot nematodes
(*Meloidogyne* spp.)



Fymate®240L

Annual grass and broad leaved weeds



Penmort®330EC













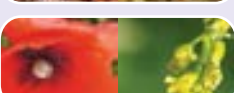
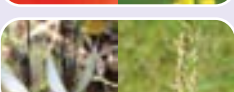
Grass weeds



Clemax® 240EC

Fusban® 125EC

ASTRACHEM's solutions for pests and diseases of Wheat

Diseases / Pests		Growth Stages	
			    
			<p>Sowing</p> <p>Tillering</p> <p>Stem Elongation</p> <p>Spikelet</p> <p>Maturity</p>
DISEASES	Stinking smut of wheat (<i>Tilletia foetida</i>)		Tilzol® 250EC
	Loose smut of wheat and barley (<i>Ustilago nuda, U. tritici</i>)		Talent® 250EC
	Cereal powdery mildew (<i>Erysiphe graminis f. sp. tritici</i>)		Funraz® 400EC Fundazim® 500EC
	Rust of wheat (<i>Puccinia striiformis, P. recondita tritici, P. graminis tritici</i>)		NovEx® 250SC
	Sunn pest (<i>Eurigaster integriceps</i>)		Cyprine® 100EC
PESTS	Cereal curculionid weevil (<i>Pachytychius hordei</i>)		Dingo® 25EC
	Corn ground beetle (<i>Zabrus spp.</i>)		Bazinon® 600EC
	Broad leaved weeds		2,4-Kill® 500SL Bromox® 280EC
Weeds	Grass weeds		WeedMaster®



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