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Our Global Presence

• **ALIXIRCHEM LLC(USA)** 212 W Russell St, Saline, MI 4816 • **ALIXIRCHEM AUSTRALIA (Australia)** PO Box 3170 Wallacia, NSW-2745



PRODUCT BOOKLET

- Fungicide
- Insecticide
- Herbicide
- Plant Growth Regulator



Alixirchem Pvt. Ltd.
Innovative Solution for Farming



ALIXIRCHEM is a multinational company, which has operations in the USA, AUSTRALIA, INDIA, UAE. We pledge to provide effective solutions to our farmers. We feel our Users are the best friends who acknowledge and use our valuable products. We together will try to keep our earth Clean and Green. We are in the business of providing Agrochemicals/ Fertilizers/ Plant growth regulators etc all over the globe. We are providing all types of Herbicides, Fungicides, Insecticides, PGRs and Fertilizers which are beneficial for our farmers and useful for humans.

The company has a team of professionally qualified well experienced persons in the field of providing quality and services. We conduct business with Ethics & Integrity. We are proud of the products which we provide and the efforts we put into them. Our new product development wing constantly puts in great efforts to innovate in the field. Our goal is to serve our Globe by setting standards of quality, services and commitment to customers. We measure our success based on the satisfaction of our valuable customers.

Since the inception of "ALIXIRCHEM", the company's founder has been responsible for translating his many years of experience into obtaining practical and innovative products from across the globe that will benefit our customer and our environment.



SUFFER™

Carbendazim 12% + Mancozeb 63% WP

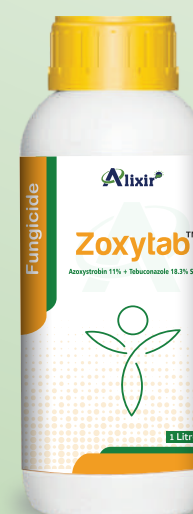
Suffer Carbendazim 12% + Mancozeb 63% WP fungicide is a unique broad spectrum, systemic & contact fungicide with protective & curative action. Because of dual mode of action of Mancozeb and Carbendazim combination, it provides excellent disease control for pests Blast, Leaf spot, Blast, Root rot, Collar rot, Early blight, Late blight, Black scurf, Blister blight, Grey blight, Red rust, Dieback, Blackroot, Downy mildew, Powdery mildew & Anthracnose on crops like Rice, Groundnut, Potato, Tea, Grapes, Mango. It effectively controls fungal diseases by its systemic and contact action. It is a suitable fungicide for Integrated Pest Management (IPM). **Suffer** is compatible with commonly used insecticides and fungicides. **Suffer** works by inhibiting the development of Fungi by interfering with spindle formation at mitosis (cell division) and affects the nervous system by inhibiting spore germination and biochemical processes within fungal pathogen cells.



QUIKNEB™

Propineb 70% WP

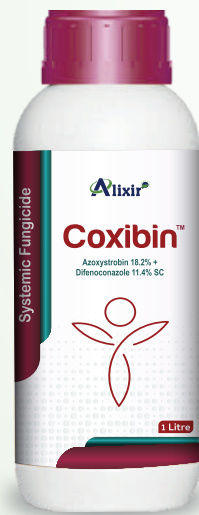
Quikneb is a contact and preventive fungicide With active ingredient used as a foliar spray for the control of fungal diseases in different crops. **Quikneb** is indispensable in anti-resistance strategies due to its special mode of action. **Quikneb** widely used for the control of various diseases Scab of Apple, Early & Late Blight of potato, Dieback of chili, Buck eye rot of tomato, Downy mildew of grapes, Leaf & fruit spots of pomegranate, Brown leaf spot and Narrow leaf leaf spot of rice and other vegetables and fruits. **Quikneb** inhibits or prevents spore production and germ tube formation. It is a Both contact and preventive action As a result of its multi-site complex mode of action, **Quikneb** is particularly suited for use in spraying programs to combat and prevent the selection of resistant populations of the fungal pathogen. **Quikneb** Contains Zinc is available for positive effect on the crop as a whole and improves the immunity of plants resulting in higher yields and improvement in quality.



ZOXYTAB™

Azoxystrobin 11% + Tebuconazole 18.3% SC

Zoxytab is a world class fungicide containing Azoxystrobin 11% & Tebuconazole 18.3% w/w SC. It inhibits respiration and ergosterol synthesis of the fungus. **Zoxytab** is a powerful combination of Triazole and Strobilurin chemistries & it exhibits Systemic and Translaminar movement and disperse rapidly in plant system



COXIBIN™

Azoxystrobin 18.2% + Difenoconazole 11.4% SC

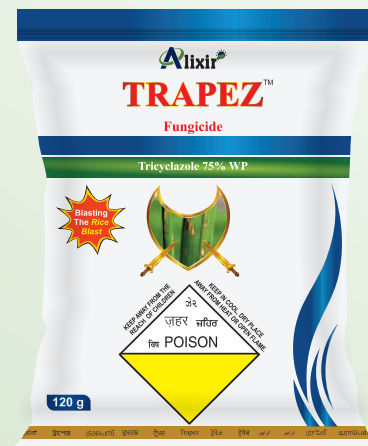
Coxibin Azoxystrobin 18.2%+ Difenoconazole 11.4 % SC dual systemic broad-spectrum fungicide with protective and curative action. It offers not only disease control but also improves crop health, quality and yield of a crop. It's a dual systemic fungicide which inhibits spore germination at the early stage of fungal development. Thus, it protects the crop against invasion by fungal pathogens. It's taken up by the plants and acts on the fungal pathogen during penetration and haustoria formation. Thus, it stops the development of fungi by interfering with the biosynthesis of sterols in the cell membrane. Demonstrates rapid uptake with translaminar and xylem-systemic movement Synergy of two advanced chemistry and multisite action. Dual mode of action, hence effective and provides longer duration control on diseases. It's an excellent tool for resistance management. Translaminar and acropetal movement help in quicker and even dispersion in the plant system. More photosynthesis and healthy crops. Applicable crops: Paddy, Tomato, Chilli, Wheat, Maize cucurbits, avocados, mangoes, passionfruit, and poppies Grapes, potatoes Wide spectrum Usage: Used for fruits, vegetables, field crops as well as gardens. Spectrum: Paddy: Sheath blight, Blast; Tomato: Early Blight; Chilli: Anthracnose, Powdery mildew; Maize: Blight downy mildew; Wheat: Powdery mildew, Rust Systemic fungicide absorbed by leaves, roots, seeds. Long-lasting control: Through Preventive, Curative and Systemic action.



TEETHER™

Thiophanate Methyl 70% WP

Teether Thiophanate Methyl 70% WP is a systemic fungicide. It has a protective and curative action. It is absorbed by the leaves and roots very fast, hence used in seed treatment, Soil treatment and in foliar spray. It is effective against a wide range of fungal pathogens including: Powdery mildew in Papaya, Scab in Apple, Brown rust and Leaf blight in Wheat, Ring rot in Tomato, Anthracnose in Bottle gourd, Powdery Mildew in Cucurbits, Fusarium wilt in Pigeon pea.



TRAPEZ™

Tricyclazole 75% WP

Trapez Tricyclazole 75% WP is a fungicide specifically designed to control rice blast disease. It inhibits fungal growth by disrupting melanin production. This systemic and protective fungicide offers residual activity, providing long-lasting protection against rice blast. **Trapez** acts by inhibiting the synthesis of melanin, a pigment necessary for fungal growth and development. By disrupting melanin production, it effectively suppresses the growth of the rice blast fungus, preventing the disease from spreading and causing damage to the rice plants. It is highly systemic in nature and is not affected by rain. It has a prophylactic action. It is rapidly and extensively metabolized. Efficient fungicide for paddy blast disease prevention



OXYRIDE™

Copper Oxychloride 50% WP

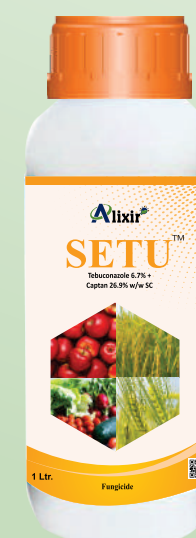
Oxyride Copper Oxychloride 50% WP is a copper based broad Contact fungicide which controls the fungal as well as bacterial diseases by its contact action. It also effectively controls the fungus resistant to other fungicides. Due to its fine particles, it sticks to the leaves and helps to restrict the growth of the fungus. It is a broad-spectrum contact fungicide with protective action. Copper because of its strong bonding affinity to amino acids and carboxyl groups, reacts with protein and acts as an enzyme inhibitor in target organisms. Copper kills spores by combining with sulphhydryl groups of certain enzymes. Spores actively accumulate copper and thus germination of spores is inhibited, even at lower concentrations.



NIKO™

Captan 50% WP

Niko Captan 50% WP is a fungicide of micronized particle size for use in water as a spray for the control of certain fungus diseases of fruit, vegetable seeds, and ornamental crops. It gives excellent protection against a wide variety of fungal infections in crops, both at the seeding stage and in mature plants. Therefore, it serves both as a seed-dresser and a foliar spray to control seed-borne diseases, soil-inhibiting fungi, and foliar/fruit diseases.



SETU™

Tebuconazole 6.7% + Captan 26.9% W/W SC

Setu Tebuconazole 6.7% + Captan 26.9% w/w SC is a combination of fungicides that is used for the control of powdery mildew and anthracnose disease of chillies, powdery mildew, Alternaria leaf spot/blight, and scab of apples. The active ingredients in **Setu** are tebuconazole and captan. Tebuconazole belongs to a family of chemicals called triazoles that work by interfering with the production of RNA in insects' cells. Captan is a fungicide that inhibits the germination of fungal spores and the growth of plant tissue. **Setu** is a fungicide that protects plants from various diseases caused by fungi like powdery mildew, rust, leaf spots, etc. It is a combination of tebuconazole and captan and can be used as a preventive or curative measure against fungal diseases on crops like cotton, soybeans, rice, oilseed rape, and maize. It is a systemic fungicide that works from the inside out to protect the plant. It enters the plant through its roots and spreads throughout its entire system. It then destroys any germinating spores before they can infect new leaves or flowers on the plant.



Alexia-M45™

Mancozeb 75% WP

Alexia-M45 Mancozeb 75% WP is a broad spectrum, protectant, and contact fungicide. This product performs extremely well when used in a preventive spray program at 7 to 10 days intervals. Besides disease control, it provides Manganese and zinc nutrition to the crop. It is an effective protectant fungicide which controls diseases caused by all four major classes of plant pathogens in a wide range of the cross. Because of multisite activity, there has been no reported resistance development to Mancozeb 75% WP so far and performing well even after more than 50 years of its commercial uses. It is a pure contact fungicide effective before fungal penetration inside the leaf hence the application should be carefully planned when maximum spores are falling on leaves under weather conditions. It is used as foliar sprays, seed treatment, and nursery drenching in various crops. Control of a wide variety of fungal diseases in various crops, hence effective and provides longer duration control on diseases.



TEPHORE™

Tebuconazole 10% + Sulphur 65% WG

Tephore Tebuconazole 10% + Sulphur 65% WG application results in a phytotonic effect in crops which leads to better yield and quality of the produce. It is an effective fungicide with protective, creative and eradicated action. It controls powdery mildew, fruit rot diseases of Chilli and leaf spot, pod blight disease of Soybean. Efficient and cost effective solution for fungal diseases. It is absorbed by leaves within two hours. Instant and uniform solubility. Better yield and quality with Phytotonic effect. Applicable crops: Apple Banana Barley Brussel Sprout Cherry Chilli Coffee Cucurbits Corn Dry Bean Garlic Grape Hops Mango Mustard Peach Pear Oats Okra Onion Pea Rice Soybean Tomato Sugarcane Sugar-beet Tea Tree Nut Wheat Rose. It controls the problem of fungal disease root rot scorching and fruit rot. and brings greenery in the crop tebuconazole works as steroid demethylation (ergosterol biosynthesis) inhibitor. It rapidly absorbed into the vegetative parts of the plant, with translocation principally acropetally. Sulphur is a non-systemic protective fungicide with contact and vapour action, shows secondary acaricidal activity. It is applied with knapsack sprayer at early appearance of disease.



CASTALIA™

Difenoconazole 25% EC

Castalia Difenoconazole 25% EC is a systemic fungicide for long-lasting preventive and curative solid action. It has broad spectrum disease control against powdery mildew, leaf spot diseases, Alternaria and rusts in fruit trees, pulses, ornamentals and vegetables. Stops the development of fungi by interfering with the biosynthesis of sterols in cell membranes. It stops the development of fungi by interfering with the biosynthesis of sterols in cell membranes, thus inhibiting the growth of fungus at every point of growth in the plant system. **Castalia** is amongst the world's best Triazole, owing to its precise effectiveness and wide target range



JARASO™

Mancozeb 40% + Azoxystrobin 7% OS

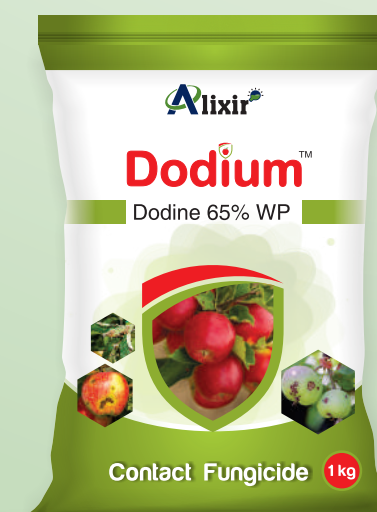
Jaraso Mancozeb 40% + Azoxystrobin 7% OS It is a powerful fungicide that controls maximum fungicidal problems in different crops. It controls late and early blight of tomatoes it controls powdery mildew, and anthracnose disease in chili and other crops. **Jaraso** provides flexibility and a broad window of the application. No risk of resistance because the multi-site mode of action is so helpful in resistance management. **Jaraso** impacts positively on the physiological activity of the applied crop by improving the yield and quality of the produce. It is compatible with all the available insecticides and fungicides in the marketplace except those which are highly acidic or alkaline in nature. **Jaraso** has very good preventive and curative properties which provide exibility and a broad window of the application. No risk of resistance because of the multisite mode of action so helpful in resistance management. impacts positively on the physiological activity of the applied crop by improving the yield and quality of the product.



SULLY 80™

Sulphur 80% WDG

Sully 80 Sulphur 80% WDG is a wettable fungicide & insecticide suitable to be used in organic gardens & has an exceptionally low level of toxicity. It is used to control mites for a range of fungal disorders including powdery mildew, rust, brown rot, etc. It can be applied until harvest, except for grapes & is best suitable for most plants including vegetables, fruits, vines, ornamental plants, etc.



DODIUM™

Dodine 65% WP

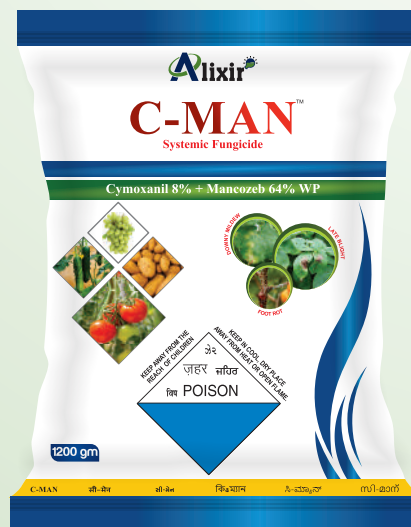
Dodium Dodine 65% WP can cure disease spread even if applied 48 hrs after infection. Guanidine group fungicide best for anti – resistance. It has got prolonged effect. **Dodium** is recommended as excellent preventive fungicide for best management of Apple scab. **Dodium** gets absorbed in plant part very quickly so it does not get washed off due to rain. **Dodium** is excellent preventive fungicide for the control of Apple scab, having some curative activity. Being guanidine group fungicide, best anti resistance effects. Controls: Brown and Black Rust, Blight, Blast, Early, Blight, Leaf Blight Leaf Spot, Collar Rot, Anthracnose, Damping off and Leaf Rot.



INSURANCE™

Isoprothiolane 40% EC

Insurance Isoprothiolane 40% EC belongs to dithiolane group. It is a systemic fungicide with curative and protective action. The chemical is absorbed by the leaves and roots and translocate acropetally and basipetally. It gets absorbed by the plant and accumulated in the leaf tissues to avoid bacterial invasion, hinder bacterial metabolism and hence inhibits bacterial growth. Directions of Use : Take required quantity of **Insurance**, dilute with little water and stir well using a stick. Then add the remaining amount of water as per spray volume required and mix well again by stirring. Use Knapsack Sprayer, Foot Sprayer, Compression Knapsack Battery Sprayer or ASPEE-HTP Sprayer.



C-MAN™

Cymoxanil 8% + Mancozeb 64% WP

C-MAN Cymoxanil 8% + Mancozeb 64% WP is a new technology fungicide cost effective systemic + contact action fungicide which is Highly effective for the control of downy mildew & Late Blight diseases (Plasmopara viticola, Phytophthora infestans) **C-MAN** Provides Powerful control of Downy mildew, Late blight, White rust & Alternaria blight, Phytophthora fruit rot, Damping off, Leaf blight, Black shank in crops including potato, crops, tomato, cucumber, Grapes, Citrus, Pearl Millet, Mustard, Black Pepper etc. **C-MAN** is Higher grade fungicide action than mancozeb alone. much better results than mancozeb alone. Can be used also for domestic purposes in home kitchen terrace garden & indoor plants to prevent Fungus Attacks. MANCOZEB 64 % + CYMOXANIL 8 % WP Fungicide has rapid penetration into plant tissue for effective disease control caused byoomycetes. It forms a protective layer on leaves and other plant parts that prevents infection through contact activity. Inhibits the formation of intercellular hyphae which stops the spread of pathogens inside the plant.



MATLE 555™

Metiram 55% + Pyraclostrobin 5% WG

Matle 555 Metiram 55% + Pyraclostrobin 5% WG is a combination of fungicide which provides effective control of early blight disease in Tomato, late blight disease in Potato, downy mildew disease in Grape, anthracnose disease in Chilli, purple blotch disease in Onion, alternaria leaf spot disease in Cotton, premature leaf fall disease (marssonina spp.), alternaria leaf spot and leaf blight disease in Apple, alternaria blight & powdery mildew in Cumin, cercospora leaf spot disease in Green gram, tikka disease in Ground nut, fruit spot disease in Pomegranate, leaf spot disease in Blackgram, downy mildew disease in Cucumber, sigatoka leaf spot disease in Banana, downy mildew disease in Bitter gourd.



FUNGICIDES

A fungicide is a specific type of pesticide (chemical or biological in origin) that controls fungal disease by inhibiting the growth of fungal spores or killing the fungus causing the disease. Different crops are affected by different fungi.

Curative (used after the disease sets in) or both Preventive and Curative.

One fungal disease can affect more than one crop, similarly, a crop can be affected by more than one fungal disease

Fungicides are further categorized into Contact, Translaminar or Systemic.

Fungicides can be Preventive (used before the disease sets in) or



CONTACT FUNGICIDES

Are not taken up into the plant tissue, and protect only the plant where the spray is deposited



SYSTEMIC FUNGICIDES

Are taken up and redistributed through the xylem vessels. Some are locally systemic, and some move upwardly.

With a wide array of field proven products from world **Alixirchem Pvt. Ltd.** is providing farmers with cost effective solutions to all fungal problems for a better crop yield.



ACTIN-5™

Emamectin Benzoate 5% SG

Actin-5 Emamectin Benzoate 5 % SG is a multipurpose world-renowned soluble granular insecticide, effective by its contact and stomach poison action. **Actin-5** modern quick action pest control solution is widely used for the control of Bollworm pink Bollworm, American bollworm in Cotton Pod Borer, Fruit Borer, Shoot borer in Red black green gram tomato, chilli, okra Soybean, Caterpillar, Tobacco Caterpillar, DBM in Cabbage Deal Larvicide and insecticide pesticide for Agricultural Use Home Garden terrace Kitchen Garden, Nursery, etc. detailed Dosage and details given along the product. **Actin-5** attacks via dual Action contact and stomach action has rain-fastness of 4 hours approximately it has a remarkable translaminar action by which it controls the caterpillars present on the lower surface of the leaves. It is a good larvicide having an antifeedant effect, Larvae dies within 2-4 days of the ingestion. **Actin-5** is a water soluble granular formulation containing 5% active ingredient and is recommended for the control of Bollworms on cotton, Fruit and shoot borer on okra, DBM on cabbage, Fruit borer, thrips, mites on chilli, fruit and shoot borer in brinjal, pod borer on red gram, chickpea Grapes-Thrips and Tea-Tea looper.



ALBAN™

Chlorpyrifos 20% EC

Alban Chlorpyrifos 20% EC is an organophosphate insecticide. It has contact, stomach, and fumigant action. It can control bollworm, stemborer, grubs, fruit borer, root borer, as well as termite. It also consumes a very large quantity in construction for protecting timber against termites. It can be applied as a foliar spray, soil drenching, seedling dip, and seed treatment. It can be used on cotton, paddy, beans, vegetables, etc. Recommendation: it is recommended to control hispa, leaf roller, gall midge, stem borer of paddy, aphid, bollworms, whitefly & cutworm of cotton and insects of vegetables, fruits and to control termite in building, wood and seed treatment & soil treatment.



CYTRIN 25™

Cypermethrin 25% EC

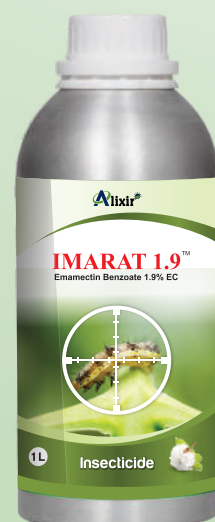
Antik Acetamiprid 20% SP is based product and is extremely active. In addition to the nymphal and adult stage, **Antik** provides effective control on eggs also. Long term residual effect of **Antik** helps to minimize frequent spray of insecticides for cotton sucking pests. **Antik** has excellent translaminar effect and provides excellent control of aphids, Jassids & whiteflies. Being systemic in nature, it remains inside the plant body for longer duration and provides long term control. It controls all those insects, which have developed resistance against conventional insecticides, because of its unique mode of action. Safe to environment and considered to be an eco friendly product due to its low dosage. Systemic pest killer Insect Killer for Garden Plants and Agriculture Crops/aphids killer aphids spray for plants. Used in Crops Like Cotton Cabbage Okra Chilli Rice with a general dosage of 60-80 grams per Acre.



BIFLY™

Bifenthrin 10% EC

Bifly Insecticide It is a broad spectrum insecticide with acaricidal properties, known for its quick knockdown properties and longer duration control on various sucking and chewing pests. Due to its unique molecular structure when applied as foliar, **Bifly** works effectively even at higher temperature conditions by remaining stable. When applied through soil, its unique soil binding properties gives it an edge over other brands for superior control of Termites. Low volatility and low skin irritation properties of the product makes it a better choice for farmers seeking effective pest control. Superior broad spectrum and residual control Exhibits knock-down properties and therefore gives quicker pest control against various sucking and chewing pests Stable at higher temperatures, less volatile and low skin irritation Does not leach down into soil along with water and acts as an ideal termiticide by forming a uniform barrier with soil. **Bifly** is an effective termiticide as well as insecticide controlling a wide range of insects like sucking and chewing insects in crops.



IMARAT 1.9™

Emamectin Benzoate 1.9% EC

Imarat 1.9 Emamectin benzote 1.9 % EC is insecticide and acaricide with low toxicity, no pollution, no residue, wide Pest control spectrum, has high efficacy of bio-insecticide, suitable for vegetable of the mustard family. Its action mechanism is to intensify the effect of neurotransmitter, such as, glutamate and γ -amino butyric acid, make the latter lose function and disturb neurotransmission, after contacting the chemical quickly stops to eat and die. It is safe to human, animal and to environment as well, effective ingredients for a long time 10-15 days. Compare with Abamectin, its active higher in 1-3 times, reduce toxicity for warm-blooded animal. (equal to one-sixth of abamectin toxicity). Special for pests which become drug-fast to chemical insecticide or abamectin it has preventing efficacious. This product has the highest activity to Lepidoptera, Diptera, Homoptera, Thysanoptera, Coleoptera and mite insect. Target Crops: Cotton, Safflower, Soybean, Groundnuts, all Vegetables, all horticulture crops Target Pest: Lepidoptera, Diptera, Homoptera, Thysanoptera, Coleoptera, and mites insects



COREDA™

Dimethoate 30% EC

Coreda Dimethoate 30% EC is a broad spectrum organophosphate insecticide having systemic, contact and stomach mode of action. Dimethoate is an acetylcholinesterase inhibitor affecting the central and peripheral nervous system producing depression. It delivers powerful protection against key piercing, sucking and chewing including caterpillar pests. It also has miticidal activity. It is highly compatible and having synergistic effect with other insecticides.



FLIP 5™

Fipronil 5% SC

Flip 5 Fipronil 5% SC is a pesticide formulation that contains fipronil as the active ingredient. This formulation is used to control a variety of insect pests and certain non-insect pests in agricultural, horticultural, and public health settings. **Flip 5** is known for its ability to control a wide range of insect pests, including ants, termites, beetles, cockroaches, fleas, ticks, and certain agricultural pests. **Flip 5** Fipronil is effective against non-insect pests, especially termites, making it valuable for structural and wood protection. It primarily acts as a contact and stomach poison, affecting pests that come into direct contact with treated surfaces or consume treated material. **Flip 5** disrupts the nervous system of insects and mites, leading to paralysis and eventual death. This pesticide can provide long-lasting residual protection against pests, ensuring continued control over time.



LAMCY™

Lambda Cyhalothrin 5% EC

Lamcy Lambda Cyhalothrin 5% EC is an organic compound that is used as a pesticide. It is a pyrethroid, a class of man-made insecticides that mimic the structure and insecticidal properties of the naturally occurring insecticide pyrethrum which comes from the flowers of chrysanthemums. Synthetic pyrethroids, like lambda-cyhalothrin are often preferred as an active ingredient in insecticides because they remain effective for longer periods of time. It is a colorless solid, although samples can appear beige, with a mild odor. It has a low water solubility and is nonvolatile. It is used to control insects in cotton crops.



LUMIX™

Lambda-Cyhalothrin 4.9% CS

Lumix Lambda-Cyhalothrin 4.9% capsule suspension is a capsule suspension formulation wherein the active ingredient is sealed in tiny thin-walled capsules suspended in water and is released only when the spray deposit dries on the target pest and leaf surface. **Lumix** Lambda Cyhalothrin 4.9% CS a synthetic pyrethroid having contact and stomach mode of action. It has a new technology due to which it gives long duration control. It renders good control over bollworm in Cotton. Chemical is also recommended for stem borer, leaf folder in Paddy, borers in Brinjal, Okra & Tomato, thrips & flea beetle in Grapes and thrips & pod borer in Chilli.



DOTTA™

Deltamethrin 11% EC

Dotta Deltamethrin 11% EC which kills pests such as Pantry Pests black carpet beetle, Thermobia domestica, Cecid Flies, Fleas, Gnats, Midges, Centipedes, Millipedes, Lepidoptera, Homopteran particularly Aphids and Psylla. **Dotta** is a powerful essential synthetic pyrethroid insecticide for the agricultural field. **Dotta** kills pest insects from the contact surface. It has a high oleophilic which offers immense affinity with the pest's cuticle. In the insect constitution that affects the nerve conveyance by working on the axon. It disturbs the conduction of the nervous inrush by adjusting the kinetics of the role of the sodium canal. **Dotta** is an insecticide includes in pyrethroid. Pyrethroids are the man-made forms of pyrethrins, common insect sprays from chrysanthemum blossoms. Deltamethrin is utilized outside on yards, elaborate nurseries, fairways, and inside as a spot or break and fissure treatment.



DIVE™

Imidacloprid 17.8% SL

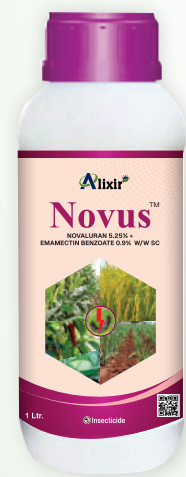
Dive Imidacloprid 17.8% SL is a systemic modern quick action insecticide with contact and stomach poison action. It is best and most cost effective pest control solution for controlling sucking insects pests such as Aphids Thrips Jassids White Fly and termites effectively. It is a systemic insecticide is Recommended as a foliar spray for the control of aphid, Whitefly, Jassid, Thrips of Cotton, BPH, WBPH, GLH of Paddy Termite of Sugarcane, Hopper on mango, jassid, thrips, whitefly of sunflower, and aphid, jassid, thrips of okra, Leaf miner, Psylla of Citrus, Aphid Jassid of Groundnut, Flea beetle of Grapes, jassid, aphid, thrips of chilies and whitefly of tomato. It can be widely used in Home Garden, terrace-Kitchen Gardens, Nursery and Agriculture for all types of plants. It belongs to the Neonicotinoids group of insecticides. It has a broad spectrum of activity with a good long-lasting effect-combined with low application rates and good plant compatibility which makes it is most preferred pesticide for Cotton, Paddy Sugarcane Vegetables, Rice Chilli Tomato Okra Groundnut etc.



CYTRIN 10™

Cypermethrin 10% EC

Cytrin 10 Cypermethrin 10% E.C. is a non-cumulative broad-spectrum insecticide. It is a fast-acting neurotoxin with good contact and stomach action. It is moderately toxic to mammals and can be easily metabolised, resulting in an instant loss of activity. Cypermethrin is not plant systemic it degrades quickly in soil and on plants but retains a high level of activity on inert surfaces. It also controls other pests such as cockroaches, flies, and other indoor pests in houses, hospitals, and schools and protects public health.



NOVUS™

Novaluron 5.25% + Emamectin Benzoate 0.9% W/W SC

Novus Novaluron 5.25 % + Emamectin benzoate 0.9% SC is a combination insecticide containing Novaluron 5.25 % (a.i) and Emamectin benzoate 0.9% (a.i) in the formulation. It is used for the control of diamond back moth (dbm) & tobacco caterpillar on Cabbage, gram pod bores & tobacco caterpillar in Chilli, gram pod bores in red gram and stem borer in Rice. Novaluron is absorbed mainly by ingestion but shows some contact activity. Emamectin benzoate is non-systemic insecticide which penetrates leaf tissues by translaminar movement. Paralyzes the Lepidoptera, which stop feeding within hours of ingestion. **Novus** is used for the control of diamond back moth (dbm) & tobacco caterpillar on Cabbage, gram pod bores & tobacco caterpillar in Chilli, gram pod bores in red gram and stem borer in Rice.



PROFETIN 44™

Profenofos 40% + Cypermethrin 4% EC

Profetin 44 Profenofos 40%+Cypermethrin 4% EC is an organophosphate insecticide that acts as an acetylcholinesterase inhibitor. Acetylcholinesterase is an enzyme responsible for breaking down the neurotransmitter acetylcholine in the nervous system of insects. By inhibiting this enzyme, profenofos disrupts the normal function of acetylcholine and leads to the accumulation of the neurotransmitter. This build-up overstimulates the insect's nervous system, causing paralysis and ultimately leading to its death. Cypermethrin, on the other hand, is a synthetic pyrethroid insecticide. It affects the insect's nervous system by prolonging the opening of sodium channels in nerve cells. This leads to repetitive nerve firing and disrupts the normal transmission of nerve impulses. As a result, the insect experiences paralysis and eventually succumbs to the effects of cypermethrin.



ALEXAM 25™

Thiamethoxam 25% WG

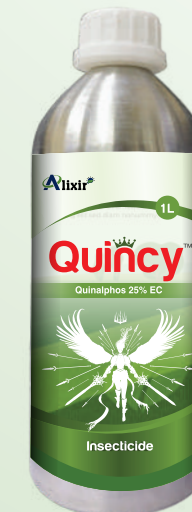
Alexam 25 Thiamethoxam 25% Wg is a granular soluble insecticide of Neonicotinoid group. A broad spectrum systemic insecticide having stomach & contact action. It gives protection against insects for a longer period in comparison to other insecticides. **Alexam 25** is safe to the environment in comparison to other insecticides because of its lesser dose per acre. **Alexam 25** is absorbed quickly by plants and transported to all of its parts, including pollen, where it acts to deter insect feeding. An insect can absorb it in its stomach after feeding, or through direct contact, including through its tracheal system. The compound gets in the way of information transfer between nerve cells by interfering with nicotinic acetylcholine receptors in the central nervous system, and eventually paralyzes the muscles of the insects. Being a systemic insecticide should be applied at recommended dose at initial stage of infestation. It is advisable to alternate with other groups of insecticides to avoid resistance problems in the long run. Dosage: Rice, Cotton, Okra, Mango, Wheat, Mustard, Tomato, Brinjal, Tea, Potato, Citrus-40-80 –gram/Acre, Rice Nursery Soil Drenching-800 gram/Acre



ZEDSY™

Thiamethoxam 12.6% +Lambda-Cyhalothrin 9.5% ZC

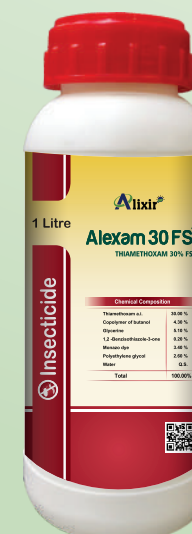
Zedsy Thiamethoxam belongs to the neonicotinoid class of insecticides. It acts as a systemic insecticide, which means it is absorbed by the plant and transported to various plant parts, including leaves, stems, and roots. Insects that feed on the treated plants ingest thiamethoxam, which affects their central nervous system. **Zedsy** binds to specific nicotinic acetylcholine receptors in insects, disrupting the normal transmission of nerve impulses. This interference leads to paralysis and eventually the death of the pests. Lambda-cyhalothrin is a pyrethroid insecticide that acts primarily as a contact and stomach poison. When insects come into contact with or consume surfaces treated with lambda-cyhalothrin, the insecticide affects their nervous systems. It targets the sodium channels in the nerve cells of insects, leading to hyperexcitation of nerve impulses. This overstimulation causes paralysis and the eventual death of the insects.



QUINCY™

Quinalphos 25% EC

Quincy Quinalphos 25% EC is a pesticide formulation that contains quinalphos as the active ingredient. Quinalphos is an organophosphate insecticide and acaricide used for controlling various insect pests and mites in agricultural and horticultural settings. Quinalphos 25% EC is used to control a wide range of insect pests in agricultural and horticultural settings. The specific target insect pests can vary depending on the application and the crops being treated. Common target insect pests for Quinalphos 25% EC may include. Quinalphos 25% EC is formulated as an EC, which stands for Emulsifiable Concentrate. EC formulations are designed to be mixed with water to create an emulsion for spray applications. This formulation allows for effective coverage of crops, plants, or the treated area.



ALEXAM 30 FS™

Thiamethoxam 30% FS

Alexam 30 FS Thiamethoxam 30% FS is a systemic insecticide. It protects against target pests by interfering with receptors that transmit the message to continue feeding. It acts on different sites of action in the insect. **Alexam 30 FS** is to be used as a Seed Dresser. **Alexam 30 FS** has contact, stomach, systemic activity. It is an agonist of the nicotinic acetylcholine receptor, affecting the synapses in the insect central nervous system. It is a unique granular combination of Neonicotinoid and Pyrazole group of chemicals. It gives excellent control on Soil pests like White grub and termites. It acts on the central nervous system of insect thus controlling insect by paralyzing. It stimulates good development of root and plant growth

FELON™

Dinotefuran 20% W/W SG



Felon Dinotefuran 20% w/w SG has a unique feature compared to other neonicotinoid insecticides, as it has a relatively fast-acting systemic effect, meaning it can be taken up quickly by the plant and transported throughout the plant's tissues. This feature makes it particularly useful for controlling pests that feed on plant tissues, such as aphids, whiteflies, and other sap-sucking insects. **Felon** is a systemic insecticide that belongs to the neonicotinoid class of chemicals. Its mode of action involves targeting the insect's nervous system by binding to specific receptors called nicotinic acetylcholine receptors (nAChRs). When dinotefuran is ingested by an insect, it binds to the nAChRs in the insect's central nervous system, which leads to overstimulation of the receptors. This overstimulation causes the neurons to fire continuously, leading to paralysis and ultimately the death of the insect.

SUZEN™

Chlorantraniliprole 18.5% w/w SC



Suzen Chlorantraniliprole is a synthetic insecticide that belongs to the Anthranilic diamide class. It is based on an extract of the plant *Ryania speciosa*. In insects, chlorantraniliprole disrupts normal muscle contraction. It binds to the ryanodine receptor, a specific muscle receptor. When chlorantraniliprole binds to this receptor, muscular calcium channels open and calcium leaks out. The muscles then stop working normally, causing the insects to become paralysed and eventually die. It is toxic to insects when ingested and to insect eggs, larvae, and pupae when they come into contact with it.

ROLLET 4 GR™

Cartap Hydrochloride 4% GR



Rollet 4 GR Cartap Hydrochloride 4% GR is an insecticide of the Nereistoxin analogue group. **Rollet 4 GR** remarkable capacity to control caterpillars. It is safe for the environment and is also suitable for Integrated Pest Management (IPM) systems. It is a persistent insecticide and controls the insect pests for a longer period. **Rollet 4 GR** controls sucking and biting insects by stomach and contact action. It controls the hidden caterpillars like Stem borer and leaf folder due to its strong systemic action. **Rollet 4 GR** is applied at early stages of the crop. It has longer persistent efficacy. **Rollet 4 GR** controls all stages of insects (egg, larva, adult)It gives complete protection via systemic, contact and translaminar action. It breaks the insect resistance and gives excellent resistance management (IRM). It is safe for beneficial insects, thus useful for IPM. It is compatible with commonly used insecticide and fungicide. It leads to higher yield and high income. **Rollet 4 GR** have been proven especially effective on pests like Leaf folder, Stem Borer and Whorl Maggot pest of Paddy crop.

LETHINA™

Clothianidin 50 % WG



Lethina Clothianidin 50 % WG Clothianidin and other neonicotinoids act on the central nervous system of insects as an agonist of acetylcholine, the neurotransmitter that stimulates nAChR, targeting the same receptor site (AChR) and activating post-synaptic acetylcholine receptors but not inhibiting AChE. It is applied as Foliar spray & soil drenching for control of sucking pests. Equipment Type: Knapsack sprayer, Foot sprayer, Compression knapsack sprayer, compression knapsack battery sprayer and HTP power sprayer. Nozzle Type: Hollow cone. Weather Condition (in general): Not to be used during unfavorable condition. Soil & Water (where ever applicable): Light to heavy soil. Clean water to be used for spray. Crop Stage for application: Vegetative growth and fruits setting stage of the crop. It is used as foliar spray at the time of occurrence of the pest in the crop. Frequency: 2-3 sprays at 10-15 days interval depending on the pest population in the crop.

SUZEN STAR™

Chlorantraniliprole 0.4% w/w GR



Suzen Star Chlorantraniliprole 0.4% w/w GR with its unique mode of action provides effective and long-duration protection from early shoot borer and top borer in Paddy and Sugarcane Crops. The **Suzen Star** prevents the build-up of the pest population and maximises the crop yield potential. **Suzen Star** insecticide is powered by active ingredient Rynaxypyr, which has a unique mode of action, controlling pests resistant to other insecticides and its special characteristic selectivity to non-target arthropods and conserves natural parasitoids, predators, and pollinators in the paddy growing ecosystems by activating muscle ryanodine receptors, leading to contraction and paralysis. **Suzen Star** modern quick action pest control solution is widely used for the control of Early Shoot Borer, Top borer, Yellow Stem Borer and Leaf Folder, in your Paddy and Sugarcane Crops. Easily usable for Agricultural Use, Home Garden, Terrace Kitchen Garden, Nursery, etc detailed Dosage and details given along the product.

CLIFFOR™

Dinotefuran 15% + Pymetrozine 45% WG



Cliffor Dinotefuran 15%+ Pymetrozine 45% WG which is powered with XP Technology. With XP technology, Its moves inside the plant from all corners for effective protection from BPH & WBPH. It has a dual mode of action for effective & long duration control. It reduces egg laying capacity of female insects. It provides healthy & vibrant tillers at the reproductive stage. It has rapid rain fastness. It binds with Acetylcholine receptors & disrupts nerve transmission which leads to abnormal behaviour & finally death of insects. **Cliffor** is a unique & revolutionary technology which protects the Rice crop from devastating pests . It also brings vibrancy in tillers at the reproductive stage.



ANZITE™

Propargite 57% EC

Anzite Propargite is an insecticide used to control mites on a variety of field, fruit, and vegetable crops, as well as ornamentals. It is manufactured by Uniroyal Chemical, under the trade names Omite and Comite. It is sold in both liquid and wettable powder formulations. Anzite Insecticide is a true miticide (Acaricide) of the sulfite ester group, which gives effective control of mites through its contact and fumigant action. **Anzite** is also effective against those mites which gained resistance against other miticides. **Anzite** gives immediate protection to crops because feeding activity of mites ceases immediately after its application. **Anzite** is also rain fast for lasting control and is an excellent rescue treatment throughout the year and especially toward the end of the season.



F.I.R.™

Flubendiamide 8.33 + Deltamethrin 5.56 SC

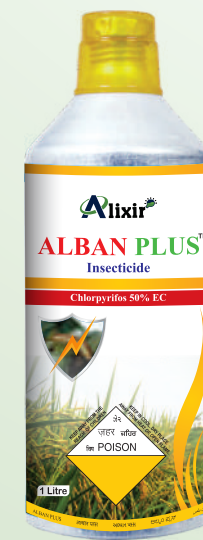
F.I.R. Flubendiamide 8.33 + Deltamethrin 5.56 SC formulation contains 83.3 g of Flubendiamide and 55.6 g of Deltamethrin active ingredient per kg of formulation which is equal to 90 g of Flubendiamide + 60 g of Deltamethrin active ingredient per liter of formulation. Flubendiamide 8.33% w/w + Deltamethrin 5.56% w/w SC formulation is used as a foliar spray for the control of pod borers in chickpea and cucumber beetle and fruit fly in cucumber. Caution: The product is toxic to fish and aquatic invertebrates, thus may be avoid near aquaculture.



LOYANCE™

Pymetrozine 50% WG

Loyance Pymetrozine 50% WG provides powerful control against aphids and whiteflies. It delivers immediate crop protection through permanent feeding inhibition. Its 50 WG formulation provides consistent biological efficacy. It penetrates easily into the plant and ensures excellent rain fastness. **Loyance** is a novel insecticide with different chemistry that provides powerful control against Rice planthopper. **Loyance** can also control all stages of Aphids, Whiteflies. **Loyance** provides immediate crop protection through the permanent feeding inhibition of insects. It binds to the neuronal receptors, which act on the nervous system creating a nervous inhibition of feeding capability in the insects. This action also prevents the aphid from transmitting virus material into the plant. The first symptoms are visible after 15 minutes. Insects withdraw their stylet and stop feeding within 1 hour. Aphids do not feed again but remain on the plant leaf for several days and die by way of starvation. **Loyance** is characterized by its upward and downward translocation.



ALBAN PLUS™

Chlorpyrifos 50% EC

Alban Plus Chlorpyrifos 50% EC Insecticide are biochemical pesticides that are naturally occurring substances that control pests by nontoxic mechanisms. **Alban Plus** works on Contact as well Stomach Action, it acts on target pest nerves and inhibits its movement. **Alban Plus** has been used for the last several decades but no resistance is reported and has good compatibility with most commonly used pesticides. It can be used with other modes of action pesticides under IPM strategy. It is also used for the management of soil insects because of longer residual action. **Alban Plus** have been seen effective on Sucking, Chewing, Biting and Boring pests like Boll worms, Stem borer and Leaf roller, Termite etc. on crops like Cotton, Rice, etc.



LIBAN 505™

Chlorpyrifos 50% + Cypermethrin 5% EC

Liban 505 Chlorpyrifos 50% + Cypermethrin 5% EC is a Chlorpyrifos is an organophosphate insecticide that acts by inhibiting the activity of the enzyme acetylcholinesterase in the nervous system of insects. This enzyme is responsible for breaking down the neurotransmitter acetylcholine, which is essential for the proper functioning of the nervous system. By inhibiting this enzyme, Chlorpyrifos causes an accumulation of acetylcholine in the nervous system, leading to overstimulation of the nerves and ultimately paralysis and death of the insect. Cypermethrin, on the other hand, is a synthetic pyrethroid insecticide that acts by disrupting the normal functioning of the sodium channels in the nervous system of insects. These channels are responsible for transmitting nerve impulses, and disruption of their normal functioning causes an accumulation of sodium ions within the nerve cells, leading to hyperexcitation and paralysis of the insect.

Insecticides are agents of chemical or biological origin used to control insects by; killing them or deterring them from feeding or preventing undesirable or destructive insect behaviour.

Insecticides are classified according to the method of application and by the way they enter the insect's body. Many insecticides take effect in more than one way and target more than one insect.



SKY-58™

2,4-D Amine salt 58% SL

Sky-58 2,4-D Amine Salt 58% SL is a selective, systemic post-emergence herbicide that effectively controls a wide range of broadleaf weeds in various crops. It belongs to the phenoxy acetic group and is absorbed by the leaves and roots of weeds, translocating throughout the plant. **Sky-58** mimics the action of the plant growth hormone auxin, leading to uncontrolled growth and eventual death of the weeds. **Sky-58** highly soluble in water. It is absorbed by weeds faster than other herbicides. **Sky-58** also compatible with other herbicides. It is a cost-effective herbicides



PRETIZEN PLUS™

Pretilachlor 37% EW

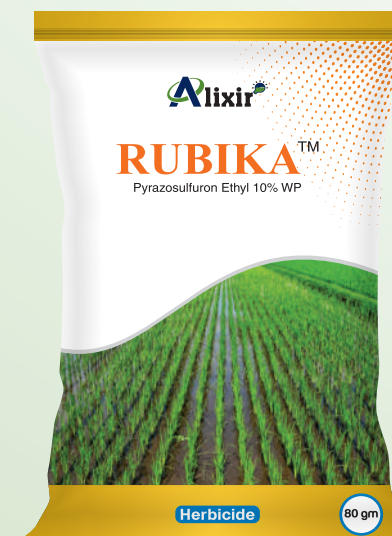
Pretizen Plus Pretilachlor 37% EW is a selective pre-emergence herbicide that is recommended for the control of grasses, sedges and some broad leaf weeds in transplanted rice. It contains 37% of the active ingredient Pretilachlor which is equal to 400 g per litre of the formulation. It is pre-emergence selective herbicide for transplanted rice. **Pretizen Plus** controls grass, broad leaf and sedge weeds. It dissolves quickly and spreads fast and has an effective action. **Pretizen Plus** suitable to use and safe for the crop and environment. It is suggested to use **Pretizen Plus** between 0-5 days after transplanting of paddy. It is also suggested to avoid flooding the field up to 24 hours after application.



GUTSY™

Ammonium Salt of Glyphosate 71% SG

Gutsy Ammonium Salt of Glyphosate 71% SG belongs to Organophorus group. MOL 71 is recommended in tea plantation for control of annual and perennial weeds. It also kills aquatic weed if applied on clean foliage. **Gutsy** translocates into the root and foliage of weeds and starts killing within 7-12 days of application. **Gutsy** can be applied at any stage of weeds, preferably use at maximum green stage with sufficient succulent leaves and without any soil dust on it. **Gutsy** is not having residual effect on soil thus it does not inhibit main crop seed germination and emergence. **Gutsy** is better to use during rainy season as dust particles on weeds are washed away.



RUBIKA™

Pyrazosulfuron Ethyl 10% WP

Rubika is a broad-spectrum herbicide containing Pyrazosulfuron Ethyl 10% WP, a class of herbicide. It is a pre-emergent systemic herbicide. The herbicidal activity is derived by inhibition of Acetolactate synthase, which is essential for the synthesis of amino acids. It is a Speed herbicide, hence favorable for the environmental and toxicological profile. Spectrum of weed control: Broad spectrum activity, excellent control of sedges and broad leaf weed & fairly good control of grasses. Application segments: Direct sown rice (DSR), Nursery & Transplanted Rice. Application flexibility: Speed can be used as a spray as well as broadcast. Speed is safe for the growth of rice crop in the nursery and main field. It has no adverse effect on physicochemical properties and microbial activities in the soil. Speed is one of the most economical rice herbicides.



GLOBIS 41™

Glyphosate 41% SL

Globis 41 Glyphosate 41% SL is a systemic herbicide that kills weeds by inhibiting the EPSPS synthesis in the weed plant. Being a non-selective herbicide, it effectively kills all types of weeds. It is widely used in non-crop areas, open fields, bunds, and water channels. It is also used in tea crops to control various weeds. **Globis 41** is absorbed by leaves and then translocated to other parts of the plant, including roots, shoots, and storage organs. This translocation ensures that the herbicide reaches all plant tissues, effectively controlling both annual and perennial weeds.



HATENA™

Paraquat Dichloride 24% SL

Hatena Paraquat dichloride 24%SL is one of the most widely used herbicides. It is a broad-spectrum, non-selective & contact herbicide which effectively controls broadleaf weeds & grasses. **Hatena** is an effective herbicidal solution for weeds; it kills a wide range of annual grasses and broad-leaved weeds and the tips of established perennial weeds. It is very fast-acting. It is rain-fast within minutes of application. It is partially inactivated upon contact with soil. It is a control of broad-leaved weeds and grasses in fruit orchards (including citrus) and plantation crops (bananas, tea, coffee, cocoa palms, coconut palms, oil palms, rubber, etc.). It is used to control weeds like Imperata, Setaria sp., Commelina benghalensis, Boerhavia hispida, Paspalum conjugatum of tea, potato, coffee and cotton crops. **Hatena** is a contact herbicide, without residual soil activity. Destroys cell membranes and inhibits photosynthesis. Only contacted leaves are killed, so regrowth can occur from undamaged parts of perennials. For domestic use, take 10 ml of **Hatena** with 1 litre of water and for agriculture use 2.5 – 3 lt./ha for best result. It is an important tool for the control of weeds in many agricultural and non-agricultural settings.



AMONITE™

Atrazine 50% W.P.

Amonite Atrazine 50% W.P. herbicide that is used to selectively control annual grasses and broadleaf weeds before they emerge. It is a systemic herbicide, which means that it is taken up by the roots and leaves of the plant and moves throughout the plant, killing it. **Amonite** is registered for use on several agricultural crops, including corn, sorghum, sugarcane, wheat, macadamia nuts, and guava. It is also registered for use on non-agricultural areas, such as industrial sites and turf. **Amonite** is effective against a wide range of weeds, including crabgrass, foxtail, barnyardgrass, pigweed, and johnsongrass. It is also effective against some perennial weeds, such as quackgrass and dallisgrass. **Amonite** is applied to the soil as a spray or granular application. The rate of application will vary depending on the crop being treated and the weeds present.



KIKA™

Bispyribac Sodium 10% W/V SC

kika Bispyribac Sodium 10% W/V SC is the organic sodium salt of bispyribac. It is used as a broad-spectrum post-emergent herbicide for the control of grasses, sedges, and broadleaf weeds in rice crops. **Kika** is a systemic herbicide that moves throughout the plant tissue and works by interfering with the production of the enzyme acetolactate synthase (ALS), necessary for plant growth. It is a broad spectrum post-emergent weedicide. It effectively controls grasses, sedges, and broadleaf weeds infesting the nursery and main field.



ALMETRIN™

Metribuzin 70% WP

Almetrin Metribuzin 70% WP is a selective, post-emergence herbicide used to control a wide range of annual grasses and broadleaf weeds in a variety of crops. It is a systemic herbicide, hence absorbed by plants' leaves and roots and distributed throughout the plant, eliminating weeds from the inside out. When applied to the soil or foliage, Metribuzin is absorbed by the roots or leaves of target weeds. It then translocated throughout the plant, interfering with the photosynthetic process by disrupting electron transport and inhibiting the production of chlorophyll. This leads to a gradual yellowing and browning of the weeds, ultimately resulting in their death.



PRETIZEN™

Pretilachlor 50% EC

Pretizen Pretilachlor 50% EC is a broad-spectrum pre-emergence herbicide of the Chloroacetamide group that suppresses all types of weeds in rice. It is absorbed predominantly by germinating shoots and secondarily by roots, with translocation throughout the plant resulting in larger concentrations in vegetative portions than reproductive regions. **Pretizen** Pretilachlor is applied to the soil or foliage of plants, it is taken up by the roots or absorbed through the leaves and then translocated within the plant. Once inside the plant, Pretilachlor inhibits the action of the enzyme acetyl-CoA carboxylase (ACCase), which is responsible for fatty acid synthesis. By inhibiting ACCase, Pretilachlor disrupts the production of essential fatty acids needed for the growth and development of the target plants. Without an adequate supply of fatty acids, the plants are unable to form important cell membranes and other lipid-containing structures, leading to growth inhibition and eventual death.



GLOZET™

Glufosinate Ammonium 13.5 % SL

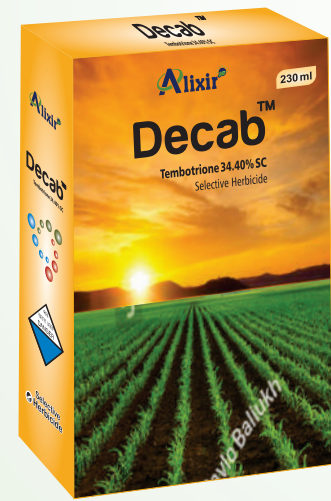
Glozet Glufosinate Ammonium 13.5 % SL is a non-selective Herbicide of the latest generation. When used in conjunction with the approved protective spray, it is extremely effective on difficult to kill weeds while being safe for the applicator. It works by touch and is less harmful to crops than other non-selective herbicides used in directed spray. It is more effective against certain difficult to kill weed species that are not controlled by traditional treatments now employed by producer



PENDISTIC™

Pendimethalin 30 % EC

Pendistic Pendimethalin 30% EC Pendimethalin is an herbicide of the dinitroaniline class used in pre-emergence applications to control annual grasses and certain broadleaf weeds. It inhibits cell division and cell elongation. Microtubule assembly inhibition. Pendimethalin controls weeds by inhibiting seedling development, it may not control established weeds. Pendimethalin Herbicide controls weeds by inhibiting seedling development, it will not control established weeds. For effective weed control, the land or seedbeds should be free of weeds, trash, and clods at the time of application. Weed control may be poor in soils with a high percentage of organic matter so should be aware.



DECAB™

Tembotrione 34.4% SC

Decab Tembotrione 34.4% SC Herbicide is a broad-spectrum post-emergence herbicide recommended for use along with surfactant for control of broad leaf and grassy weeds in corn. Tembotrione, the active ingredient in **Decab**, represents the latest innovation in the well-proven bleacher technology from Bayer CropScience. Tembotrione, the active ingredient in **Decab**, inhibits the activity of the 4 hydroxy-phenyl-pyruvate-dexygenase (4 HPPD) enzyme. The formation of carotenoid (plant pigments) is disrupted by the blockage of the enzyme. Depletion of carotenoids deprives chlorophyll where photosynthesis takes place of its protection against an overdose of light and this results in chlorophyll bleaching. The symptoms of **Decab** action become visible fast and the full weed control effect is seen within a few days of application.

HERBICIDES

Herbicides are pesticides used to kill or inhibit the growth of unwanted plants (weeds).

Commonly known as weed-killers, herbicides are categorized into selective and non-selective

Some of these herbicides act by interfering with the growth of the weed and are often synthetic mimics of natural plant hormones.

They can be foliage-applied or soil herbicides, pre-emergent or post-emergent.

Contact herbicides kill only the plant organs with which they are in contact.

Translocated herbicides are effective against roots or other organs, to which they are transported from aboveground treated surfaces (soil).

Amiran Kenya is providing farmers with cost effective solutions through outstanding products to help in all weed problems for improved crop yields.



MEETING POINT™

Clodinafop Propargyl 9% + Metribuzin 20% WP

Meeting Point Clodinafop Propargyl 9% + Metribuzin 20% WP is selective and post emergence herbicide, it has two active ingredients that belong to the Aryloxy phenoxy propionate and Triazinone group and is a very effective herbicide of wheat crop even on resistant varieties. **Meeting Point** has dual action (works from the soil also). It inhibits photosynthesis in susceptible plant by binding to a protein of the photosystem II complex.



GOLLU 54™

Glyphosate 54% SL

Gollu 54 Glyphosate 54% SL is a non-selective herbicide for the post-emergent control of annual and perennial weeds in agricultural, industrial areas, roads, railways, which are far from homes and population centers. Of systemic action, it is absorbed by leaves and green stems and translocated to the roots and underground vegetative organs, causing the death of the weeds emerged. The effects are slow, especially in perennial species, where after 4-5 days from application begins yellowing and wilting of leaves and stems culminating in the death of weeds.

Assured protection from our basket of high quality cost effective Herbicides



ZILET™

Gibberellic Acid 0.001% L

Zilet Presents the world famous Plant Growth Regulator Gibberellic Acid 0.001 % Liquid which is used To increase the growth and number of flowers to prevent pre-dropping of fruits & flowers and to enhance overall Growth of the plants. **Zilet** Gibberellic acid is a metabolic enhancer which stimulates & regulates plant growth It enhances photosynthesis and plant metabolism. thus, increases cell growth in stems, leaves and roots, reduces flower and fruit dropping and enhances quality of produce and thus boost crop yields. Overcoming Dormancy : Treatment of seeds / tubers before sowing with Gibberellic acid is effective in overcoming dormancy and causing rapid germination of seed. it Prevents Premature Flowering enlarges fruit and boosts crop yields. It delays aging of leaves. allows the production of bigger leaves and root system. It improves micronutrients and water uptake through root initiation and development. Improve establishment and growth of young plants produced from cuttings, seed or plugs.



VOZOBI™

Special Biostimulant

Vozobi improve nutrient use efficiency by supporting better root development so that plants can absorb more nutrients and water or by improving nutrient availability in soil. All these functions can contribute to reducing nutrient losses to the environment and optimizing fertilizer use. Crop quality: **Vozobi** can improve crop quality and contribute to more vigorous and healthy plants, which in turn can lead to less food waste. At the same time, they can improve the quality and quantity of the yield and therefore keep the farmer's business profitable and sustainable. Tackling food loss and waste is key to achieving a sustainable food system. Soil health: **Vozobi** can improve soil health and fertility by improving soil parameters and functions. This can also have a positive impact on soil restoration and water use efficiency, a key contribution that ensures long-term soil fertility. Resistance/tolerance to climate change: **Vozobi** can enhance plants' tolerance to abiotic stress, such as drought or extreme temperatures. The use of **Vozobi** can therefore help mitigate the negative impact of climate change and extreme weather events. This is important for farmers who need to increasingly adapt their practices to changing and challenging climatic conditions.



TRIGOON™

Triacontanol 0.1% EW

Trigoon Triacontanol 0.1% EW is a plant growth regulator with metabolic activation. It is used for enlarging fruit size and increasing yield of crops like cotton, tomato, chillies, groundnut, rice. Effects photosynthesis, plant metabolism, and can increase the growth of roots, shoots and flower production. Influences nutrient uptake. **Trigoon** increases rooting and can increase seed and germination percentage rate for rice, corn, soybeans, sorghum and other crops commonly used 0.5-1mg/kg of liquid Rice bran wax. Its soaking time is 12-24 hours before planting, soaking concentration of 0.1 mg/kg can enhance drought resistance significantly. **Trigoon** is used in leafy vegetables, grass, sugar cane, tobacco and nursery stock. Its concentration of spraying the plants is 0.5-1 mg/kg. It promotes chlorophyll content, enhances photosynthesis, cultivating robust plant and can promote growth. **Trigoon** can enhance the absorption of minerals, dry matter accumulation, crop quality and setting rate. It also can increase production with a concentration of 0.5-1 mg/kg.



INDIA GATE™

Organic Spreader

India Gate is a unique, proprietary biosurfactant product. extracted from selective strains of naturally occurring microbes exhibiting Spreader, Sticker and Penetration properties. **India Gate** is OMRI listed for Organic use **India Gate** spreads quickly, carrying insecticides into the inaccessible site inhabited by pests and carrying fungicide in those crops canopy prone to infection by diseases, it assists herbicide to kill weeds uniformly and in a shorter duration. Super sticking & Improve rain fastness. **India Gate** being nonionic, it can be used with a broad range of agrochemicals (Insecticide fungicide, herbicide) and plant growth promoters **India Gate** is recommended for use on all crops along with any plant protection agent, viz., cereals, pulses, oilseeds. Vegetables, Fruit crops and horticultural crops. **India Gate** is a colorless liquid formulation, with mild characteristic odor **India Gate** being an organic product has advantages of biodegradability and thus gentle to the crop. **Dosage:** **India Gate** to be used @ 0.5-1 ml/Ltr of water with any plant protection agent viz., Insecticide fungicide And PGR as tank mix and 2ml/Ltr of water with Herbicide.



JIVATMA™

Bio-stimulant & Growth Enhancer

Jivatma is our highest quality Bio-stimulant Plant Growth Regulator contains Bio-Extract in its most concentrated form, For all plants and home Garden this organic fertilizer will make you go wow after 3-5 Days of Application in your garden. **Jivatma** Bio-stimulant Bio-Extract Contains naturally acquired blue ocean algae obtained after fermentation Extract in rich combination of unique and highly effective L-Series aminos, vitamins, glutamic acid, alkaloids and proteins in soluble form. **Jivatma** Bio-stimulant is Bio-Extract plant growth regulator absorbed by the leaves and roots of plants. foliar spray is recommend edit Increases crop yield significantly by reduction flower drop, promotes flowering and fruit setting and enhances vegetative growth. Increases plant resistance to extreme temperature, high humidity, frost, pest attack, floods and drought. **Jivatma** Bio-stimulant is purely nature bio product no toxic and safe for crop and mammals.

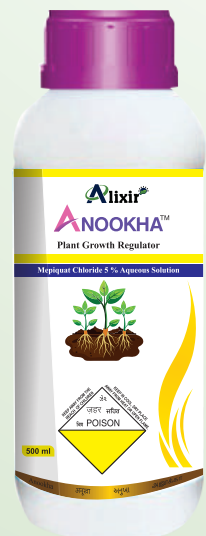




SULLA™

Sulphur 90% GR

Sulla Sulphur 90% GR is a premium-grade wettable dispersible powder formulation that provides a concentrated source of elemental sulphur to plants. This high-quality fertilizer is designed for easy dispersion in water, ensuring optimal absorption and utilization by plants. **Sulla** plays a crucial role in improving plant health, stimulating growth, and enhancing the plant's ability to resist diseases. It is an essential nutrient for various crops and contributes to the overall productivity and quality of agricultural produce.



ANOOKHA™

Mepiquat Chloride 5% Aqueous Solution

Anookha Mepiquat Chloride 5% aqueous Solution is used in agriculture as a plant growth regulator. It is used for the control of excessive vegetative growth and to increase crop yield in potato and cotton. Crop (Recommendation for use): Cotton and Potato Benefits: Mepiquat Chloride 5% Aqueous Solution is soluble in water and works systematically in plant tissue and leads to a deeper green leaf colouring after 3 to 6 days.



DHARTEE-G™

Mycorrhizal Bio Fertilizer

DHARTEE-G is an Arbuscular Mycorrhizal Fungi (AMF) having endo mycorrhizal spores in granular formulation. **DHARTEE-G** contains live propagules of AMF that form a filamentous symbiotic association with plant roots & fungal hyphae. This association between plant and mycorrhiza increases the surface area of plant roots which results in enhanced absorption of essential nutrients from the soil. Usage of **DHARTEE-G** offers a natural and environment friendly way to enhance soil quality and fertility that results in improved nutrient uptake, plant growth and its health. Recommended Crops : **DHARTEE-G** can be used for all crops viz. 1. Commercial crops – Sugarcane, Chillies, Tomatoes etc. 2. Pulses & oil seed. 3. Paddy / Wheat / Maize and other cereal crops. 4. Spices 5. Tea & Other plantation crops. 6. Floriculture and Horticulture crops (Mango, Guava, Banana etc. 7. Potatoes, Vegetables and all such crops. Advantage of **DHARTEE-G** : • Enriched nutrient uptake from soil • Increased plant growth and yield up to 25% • Improved quality of grains / fruits for better return • Improved seed vigour and germination percentage • Higher transplanting success • Best practice under integrated Nutrient management (INM) plan • Improved water holding capacity and nutrient use efficiency of soil • Enhanced plant tolerance to drought and other stress • Reduction of irrigation requirements • Increased pathogen resistance

FUNGICIDE



INSECTICIDE



HERBICIDE



PLANT GROWTH REGULATOR





Alixir provides the best nutritional management solutions to help in crop enhancement ensuring crops grown reach their full potential.

