

Agriland Biotech

Product Catalogue



A MEMBER OF OXXYY GROUP OF COMPANIES



Oxxyy Group of Companies has a rich history of fostering global partnerships and expanding the reach of businesses worldwide. With associate offices strategically positioned across the USA, Canada, the Middle East, Far East, South America, Europe, and India, Oxxyy Group facilitates seamless access to international markets. This expansive network empowers Indian entrepreneurs and businesses to thrive on the global stage. The core vision and mission of Oxxyy Group of Companies remain unchanged to collaborate with businesses and empower them to establish a robust international presence. The expertise, experience, and extensive network of Oxxyy Group's founder, Mr. Rajeshkumar, make him an invaluable resource for companies aspiring to grow and succeed globally.



Agriland provides organic solutions for agri- and horticulture purposes. We provide organic products for use in conventional cultivation in order to increase the plants resistance and resilience. Our products help to contribute in a more healthier and productive cultivation. Being true to our motto, we want to help farmers achieve more by applying less.



Both Oxyy Group of Companies and Agriland Biotech Private Limited are positioned to pioneer sustainable and innovative solutions in agriculture and horticulture. Their collaboration aims to foster a healthier and more productive farming ecosystem, not only in India but also on the global stage. In unison, these two industry leaders embody an unwavering commitment to excellence and share a visionary goal of catalyzing positive transformation within the agricultural sector.



BIO FERTILIZERS

AZOSPEE



Azospee is a biofertilizer based on *Azospirillum lipoferum*, a free living nitrogen fixing bacterium. It fixes and assimilates atmospheric nitrogen in soil even under waterlogging conditions, secretes phytohormones in the plant root region to facilitate quicker and vigorous growth of roots and shoots. Azospee produces growth promoting substances like IAA, GA, cytokinins and vitamins. It increases adventitious roots in sugarcane, potato and rice and thereby mobilizes nutrients needed to the crop.

BIOFIELD LIQUID



Biofield Liquid is a high profile biofertilizer consortia which contains Nitrogen fixer, Azotobacter @ 100 million cell/ml, Phosphate solubilizing bacteria @ 100 million cell/ml and Potash Mobilizing bacteria @ 100 million cell/ml. It induces crop growth and nourishes crops for longer period, thereby leading the crop to higher yield and quality produce. Azotobacter fixes atmospheric Nitrogen for crop and produces plant growth promoting substances like GA, IAA, IBA, Cytokinins etc. that all induce the crops' vegetative and reproductive growth.

BIOFIELD GRANULES



Biofield Combo Granules are a high-profile unique formulation impregnated and encapsulated with all three NPK bacteria. Biofield Granules contains consortia of Nitrogen fixer, Azotobacter @ 10 million cell/gm, Phosphate solubilizing bacteria @ 10 million cell/gm and Potash Mobilizing bacteria @ 10 million cell/gm. It induces crop growth and nourishes crops for longer period, thereby leading the crop to higher yield and quality produce. Biofield Combo is offered as COMBO of NPK bacteria in granular form and AM fungi (endomycorrhiza).

BIOMOBILE-K



Biomobile-K is a potash solubilizing and mobilizing bacteria which solubilize and mobilize the insoluble potash present in soils and convert it into soluble form and make available to the plants. BIOMOBILE-K produces amino acids, vitamins and growth Promoting substances like IAA and GA, which help in better growth of plants. It helps to improve soil fertility and productivity by reducing their adverse soil pH.



BIOSMART ZN

Biosmart-Zn is zinc solubilizing bacteria that secretes organic and inorganic acids and solubilizes zinc present into the soil and enhance enzymatic and metabolic activities of plants. BIOSMART-Zn produces amino acids, vitamins and growth Promoting substances like IAA and GA, which help in better growth of plants. It helps to improve soil fertility and productivity by reducing their adverse soil pH.

DEBRISTA



Debrista is a group of aerobic and anaerobic microbes for composting farm wastes, green kitchen wastes, gardens, and city wastes. Use 250 gm of Debrista for composting one ton of any waste. Make slurry of Debrista & water and mix thoroughly with wastes. If this waste is too wet, use powder directly onto the wastes. Make heaps of treated wastes at a height of about 2 meter. Keep turning the heaps at an interval of 15 days to trigger aerobic decomposting faster. When compost gets cooled and soft, it is an indication of composting being over.

BIOFIELD MYCOPOWER



Mycopower is a symbiotic union of Arbuscular Mycorrhiza fungi and crop roots, long known to help plants absorb nutrients and exchange water in soil, infects crop roots for number of agronomic advantages like mobilizing phosphorus and other nutrients to the crop roots, conserving and increasing water use efficiency, rigorous rooting, disease management, making crops resilient to different biotic and abiotic stresses and increasing crop yields.

MYCOZONE



Mycozone is a product based on Arbuscular Mycorrhiza. It is useful in all the crops. It takes challenge of nutrient storage and nutrient mobilization through its vast network of Arbuscular and Vesicles. Arbuscules are meant for nutrients mobilization and the Vesicles are for nutrients storage. Chlamydospores and Vesicles are again the sexual stages of Mycorrhiza which give rise to hyphae and subsequently to the entire world of Mycorrhiza network in the soil rhizosphere. Mycozone hyphae and spores are the extended arms of crops roots. These extended arms drag the nutrients from the far ends, well deeps and surroundings.



NITROCELL

Nitrocell contains *Azotobacter chroococcum*, a free-living nitrogen fixing bacterial biofertilizer. Produces growth promoting substances like IAA, GA and cytokinins. It is used in wide range of crops.

PHOSPHOCELL



Phosphocell is a phosphate solubilizing bacteria which solubilize the insoluble phosphates present in soils and convert it into soluble phosphorous form and make available to the plants. Phosphocell produces amino acids, vitamins and growth Promoting substances like IAA and GA, which help in better growth of plants. It increases adventitious roots in cereals, pulses, oilseeds, vegetables, fruits, sugarcane and thereby mobilizes nutrients needed to the crop. It helps to improve soil fertility and productivity by reducing their adverse soil pH.

RHIZOCELL



Rhizocell is a symbiont Nitrogen fixer which is one of the most important means of converting large quantities of nitrogen in air and making it available to the plants. Rhizocell has the ability to fix atmospheric nitrogen symbiotically in legumes. It enters the root hairs, multiplies there and forms nodules. Rhizocell can fix 50-100 kg of nitrogen per hectare in one crop season and can leave behind substantial quantities of nitrogen in soil for succeeding crops. Rhizocell can increase yields from up to 20%. Application of 1 lit Rhizocell is equivalent to application of 100kg of UREA.



BIO PESTICIDES

BIOSOFT



Biosoft is a high potency bioinsecticide based *Beauveria bassiana* working with broad spectrum activities against sucking pests and caterpillars. It exerts chitin inhibition on insects' cuticle. As soon as the caterpillars and sucking pests come into the contacts with Biosoft, it starts proliferating on insects, inhibits chitin synthesis and kills the target insects' bodies. Noticeably, Biosoft fungus grows rigorously on insects and forms mummies which spread disease epizootic among insects appearing at later stages. This makes sprays effective and cross-infective for longer period, thereby reduces the cost significantly.

METASOFT

Metasoft is a high potency bioinsecticide based Metarhizium anisopilae working with broad spectrum activities against soil insects like white grubs, termites, cutworms, pupae and other soil inhabiting and foliar insects like hoppers by inhibiting chitins on insects' cuticle. It causes primary and secondary disease epizootic among insects appearing at later stages also. This makes sprays effective and cross-infective for longer period, thereby reduces the cost significantly.



VERTISOFT

Vertisoft is a high potency bioinsecticide based *Lecanicillium lecanii* working with broad spectrum activities against sucking insects. It exerts chitin inhibition on insects' cuticle. As soon as the sucking pests come into the contacts with Vertisoft, it starts proliferating on insects, inhibits chitin synthesis and kills the target insects. Noticeably, Vertisoft fungus grows rigorously on insects and forms mummies which spread disease epizootic among insects appearing at later stages. This makes sprays effective and cross-infective for longer period, thereby reduces the cost significantly.



VANGUARD

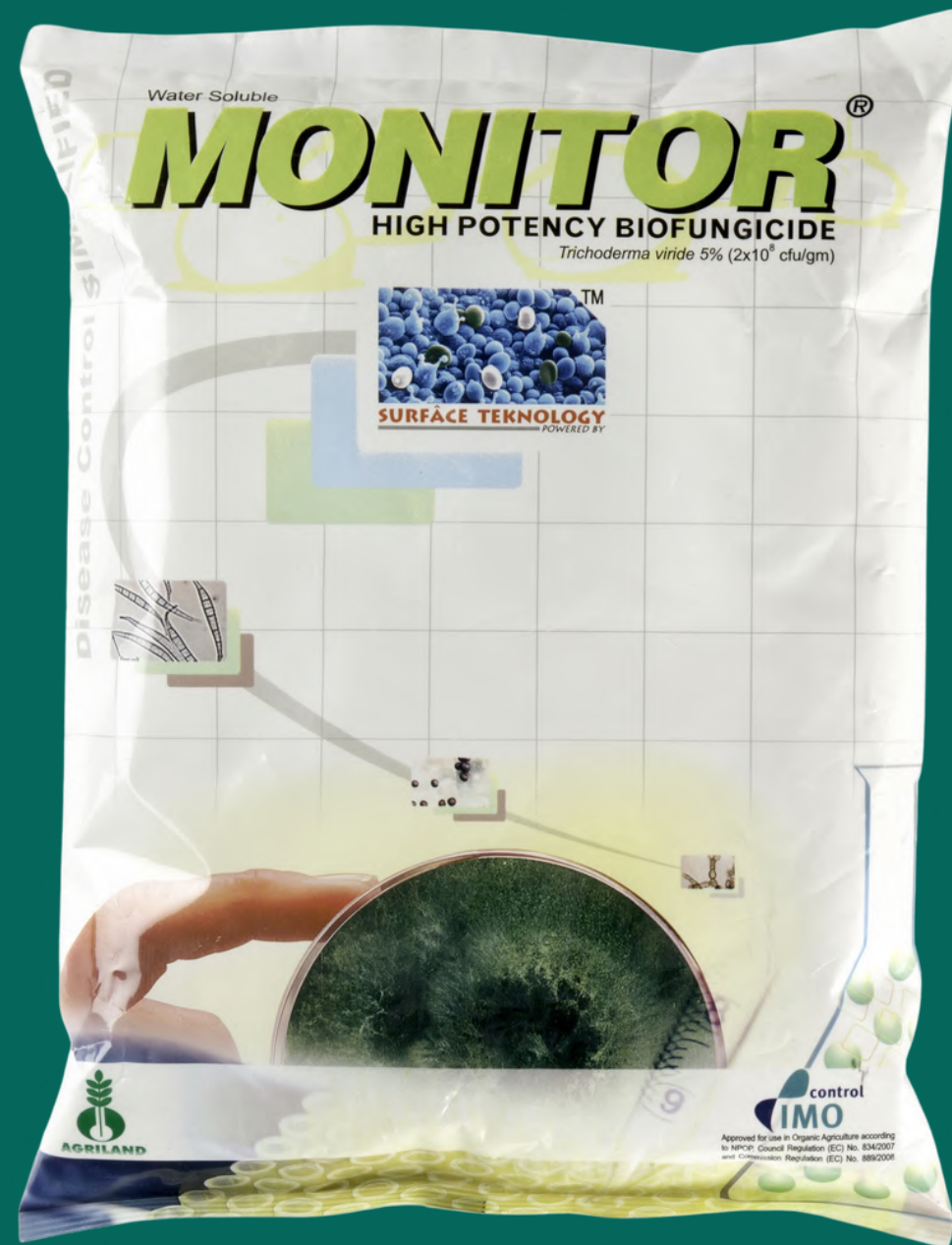


Vanguard is broad spectrum botanical insecticides and acting in 4 powerful ways to control pests like antifeedent, repellent, insect growth regulations and oviposition deterrent. Vanguard is offered with an Azadirachtin content of 10000 ppm, 1500 ppm and 300 ppm formulation. Because of the consistent performance and specificity in action, vanguard fits best in the Integrated Pest Management (IPM) programs.



BIO FUNGICIDES

MONITOR



Monitor is a high cfu, high potency biofungicide based on *Trichoderma viride* that works against seed borne and soil borne plant diseases occurring in plants. Each spore of monitor is capable of forming a colony that coils fungal pathogens and parasitizes them completely, make competition for food and produces siderophores, degrades cell wall of plant pathogens by secretion of hydrolytic enzymes, induces systemic resistance to plants. Apart from effective disease control, Monitor decomposes raw organic farm wastes, solubilizes soil phosphorus, reclaims adverse soils, promotes plant growth and protects soil ecosystems.

SUDOZONE

Sudozone is a biofungicide-bionematicide-biobactericide based on *Pseudomonas fluorescens*. It acts on hyphae of plant pathogens by enzymatic, antagonistic and antibiotic actions. It controls and prevents nematodes that invade roots and give access to pathogenic fungi to enter into roots. It exerts PGPR activity also by producing fluorescent pseudomonads that chelates with soil nutrients, thus making the nutrients available to the plants.





BIO NEMATOCIDES



YORKER

Yorker is a high potency bionematicide based on *Verticillium chlamydosporium* (formerly known as *Pochonia chlamydosporia*) that parasitizes eggs of nematodes and sometime infects reproductive organs of female nematodes. Yorker promotes plant growth also. It works against all plant parasitic nematodes.

SUDOZONE

Sudozone is a biofungicide-bionematicide-biobactericide based on *Pseudomonas fluorescens*. It acts on hyphae of plant pathogens by enzymatic, antagonistic and antibiotic actions. It controls and prevents nematodes that invade roots and give access to pathogenic fungi to enter into roots. It exerts PGPR activity also by producing fluorescent pseudomonads that chelates with soil nutrients, thus making the nutrients available to the plants.





PHEROMONE
TRAPS & LURES

PHEROMONE LURES & TRAP

NoMate pheromone system gives an excellent control by depriving females from mating. NoMate Pheromones are a semiochemicals emitted by living organisms to send messages to individuals of the same species.

Pheromones are the natural compounds that are created inside the body of an insect. The pheromones are chemically synthesized in the laboratory as required for different species of insects. These lures used to attract male insects into pheromone traps, thus stopping the mating of male and female insects. This system eliminates the chance of laying eggs and controls the insect population.



NOMATE LIFETIME BLOCK



NoMate blocks are of soft wood, impregnated with Methyl Eugenol and Cuelure. NoMate is a para-pheromone, attracts male fruit flies and lures them for genital organ development. Shelf life of the block is 1 year and field life is 3-4 months under ambient storage condition. System is environment friendly. No equipment required for application. It is users' friendly and cost effective.

NOMATE LIFETIME TRAP



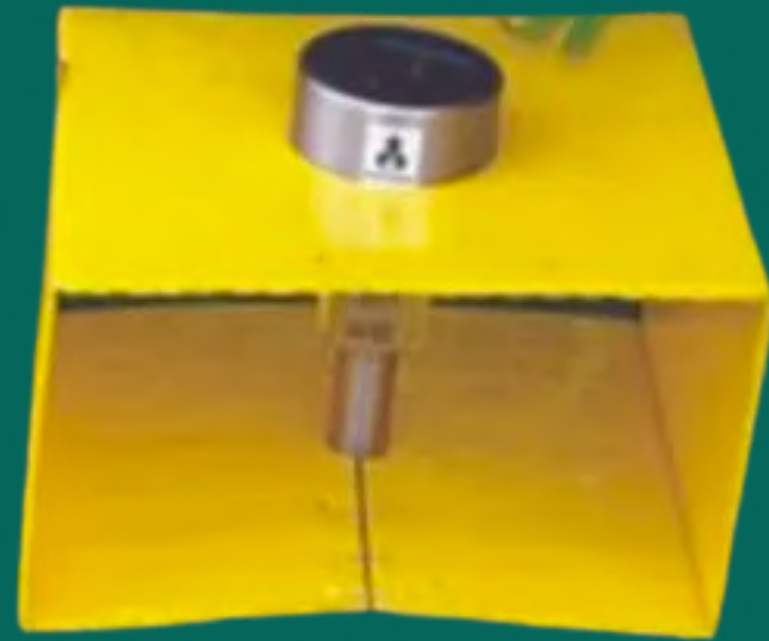
Principle with NoMate system involved is, male fruit flies are trapped & killed, thereby females are deprived of mating. NoMate Trap is made up of PET which is sturdy and heat resistant. NoMate blocks are of soft wood, impregnated with Methyl Eugenol and Cuelure. NoMate is a para-pheromone, attracts male fruit flies and lures them for genital organ development.

NOMATE LIFETIME TRAP



NoMate sticky traps are most effective pest management tools in the hands of the modern, knowledgeable tool for progressive farmers. There is no requirements of electricity, no pesticides or chemicals, very easy to install and need no maintenance. It is very effective against all sucking pests like whitefly, aphids, jassids, thrips, hoppers.

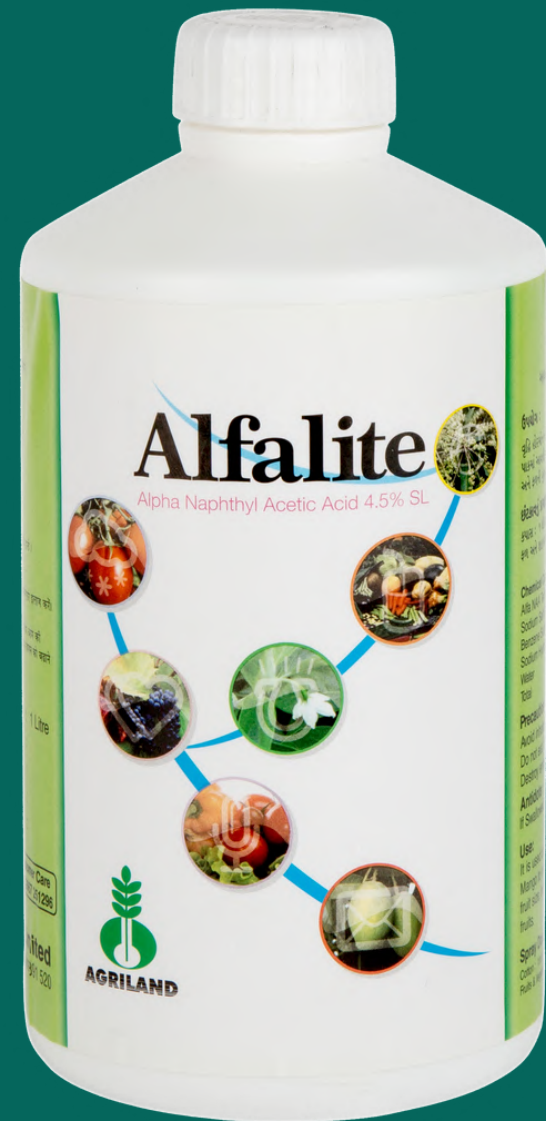
SOLAR STICKY TRAP



Agriland solar light sticky traps are most effective pest management tools in the hands of the modern, knowledgeable tool for progressive farmers. There are no requirements of electricity, no pesticides or chemicals, very easy to install and need no maintenance. It is fully automatic switch on by themselves when it is dark and are absolutely safe to handle. They are very effective against all kind of flying insects-big and small and specially the harmful pests that are known to be very active during night time. Their ultraviolet light attracts insects from far.



BIO STIMULANTS



ALFALITE

Alfalite is a plant growth regulator auxin, contains Alpha Naphthyl Acetic Acid 4.5% SL. It prevents premature flower and fruit dropping in plants. It also induces flowering, enlarges fruit size, increases volume and weight of fruits and improves the quality of fruits. It also helps to minimize the occurrence of mango malformation.

LIFELINE



Lifeline is unique formulation of plant growth regulator namely, gibberellic acid and fortified with micronutrients, hydrolyzed proteins and sea weed extracts. It is naturally occurring plant growth promoting substance produced through biochemical process. Lifeline is tonic of crops. It works in three different ways, it acts as a plant growth regulator, it fulfils the micronutrient requirements of plants and it has seaweed extracts that enhance crop growth and yield.

GIBRA



Gibra is technical grade gibberellic acid contains 90% technical formulation. It is naturally occurring plant growth promoting substance produced through biochemical process. Certain specialized crops like vegetables, fruits and many other crops get benefited handsomely when Gibra is applied at appropriate time. Grape growers depend on Gibra to enhance grape size and the quality of their harvest. Citrus growers use GIBRA to improve rind integrity so that the fruit can be shipped and stored more easily. Additionally Gibra has the immense value to use it on many commercial crops.

SPECTRUM



Spectrum is multifunctional plant growth elements for overall growth of plants. Application of Spectrum at 0.35 ml/liter water at the initiation of flowering on cotton, vegetable, fruit, flower, spices and other crops leads to retention and emergence of new flowers that subsequently yielding into more produces with superior quality. Spectrum is a formulation containing naturally occurring amino acid compounds, cytokinin, enzymes, auxin precursors, hormones and polymer adjuvants. The rate of Spectrum application per acre is 50-60 ml and it is recommended to spray at critical crop stages like flowering and fruit/pod/seed setting.



OTHER PRODUCTS



ANTITY

Antity is a Biopolymer Chitosan based Plant Elicitor & immunity Booster that gets absorbed through foliage, exerts phytoalexin induction, builds immunity in crop plants against biotic and abiotic stresses and diseases in all field, fruit, vegetables, berries, tubers, fiber, cash crops, plantations and amenity horticulture. It is environment friendly and biodegradable.



AGRISULF

Agrisulf contains 80% wetttable Sulphur is for control of powdery mildew fungi and mites of many crops. Agrisulf is reliable source of micronized Sulphur having very good spreadability and sticking properties on the crop leaf surfaces.



MR SULPHUR

Mr Sulphur contains 80% water dispersible granules of elemental Sulphur which is used for control of powdery mildew fungi and mites in many crops.

SAFFRON



Saffron contains elemental sulphur in suspension concentrate form and contains 40% sulphur and very effective against powdery mildew, sporulation fungi and mites. It also acts as fourth major nutrient. Spores of powdery mildew are made up of carbohydrate surrounded by layer of oil globule. Saffron when comes into contact with oil globules, breaks oil globules easily and reacts with carbohydrate. Hence spores of powdery mildew are killed easily. After killing the spores, saffron gets converted into sulphide form on the surface of leaves and reacts with oxygen and gets converted into sulphate form (SO_4) which can easily be absorbed by the plant.

RUNOFF-100



Runoff-100 is non-ionic, colourless, slightly viscous and biodegradable solution that enhances the activity of insecticides, fungicides, weedicides, foliar fertilizers and plant growth regulators by spreading them uniformly, sticking rigorously and activating violently. Runoff-100 reduces the surface tension of water thereby helping in fast and uniform coverage of pesticides, enhances their sticking properties and increases the activities through fairly good penetration and translocation of pesticides in plant system even at lower dosages.



SMART ZINC


Zinc is an important micronutrients element to boost up crop yields. Widespread deficiency of zinc throughout the world arising as a big threat to crop protection. Zinc deficiency can lead to several physiological disorders and ultimately decrease in yield in major crops. Judicious application of zinc along with suitable varieties can show remarkable increase in economical yield and zinc content in crops.



CONTACT US

 +91 90995 1113

 WWW.OXXYY.COM

 +1 (281) 742 8358

 INFO@OXXYY.COM

 GUJARAT, INDIA