

We Improve quality of Agri-Produce... Naturally !



"Approved Input for use in organic agriculture according to NPOP standard attested by Ecocert India Pvt. Ltd. (NPOP/NAB/002)"



- No Residues
- No Harmful Effects
- 100% Biodegradable
- No Toxic, Non Poisonous
- Cost Effective Bio Control
- Sustainable choice For Farming



SINCE 1993

Sanvardhini Agro[®]

Go further with natural inputs...



Botanical Insecticide



Botanical Fungicide



Biostimulant



Organic Fertilizers

www.sanvardhini.com

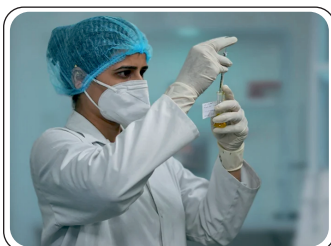
office@sanvardhini.com

+91 2162 240201 / +91 2162 240438

About us

Sanvardhini Agro was founded in 1993 to provide natural solutions to the problems faced by farmers. We specialize in developing unique organic agricultural products for plant protection and plant nutrition for sustainable farming. Since then we have developed several plant based products.

We conduct research on compounds that could deliver micronutrients to plants more efficiently for growth and stress management. Our range includes single and mixed range of micronutrient grades. We train more than 25,000 farmers to aid the concepts of integrated pest & nutrition management, every year around the globe. We supply products to many countries like Greece, Spain, Panama, Peru, Turkey and many African countries, since last 20 years



VruddhiTM HERBAL BIOSTIMULANT

VRUDDHI is an unique aqueous formulation of naturally occurring plant growth promoter '**Triacantanol**' and its homologues. This substance is considered by many agricultural scientists over the world as nature's miracle since Triacantanol is known for eliciting many responses with rapidity which is not shown by any other plant growth products. It consist of colloidal suspension of very fine particles which can be absorbed by the plant through stomata very quickly.

Active Ingredients : Aqueous mixture of plant based fatty alcohols.

Toxicity data : Non Hazardous Non Poisonous, Non Mutagenic, Non Carcinogenic, Non-Toxic to life.

How it acts on plants?

On application, the active ingredients are quickly absorbed by the plants which improve and increases activity of plant hormones and enzymes resulting in improved weight accumulation, nutrient content. It increases content of chlorophyll & promote photosynthesis. It retains original taste, aroma and flavor of the agro produce.

Benefits :

1. More branching, tillering and bud density.
2. Increases new sprouts, leaf area and vegetative growth.
3. Breaks bud dormancy, increases bud vigor.
4. High yield, better quality, low cost. (yield increase by 15-30%)

Recommended Dosage : Mix 1- 2 ml Vruddhi in 1 litre of water and spray on crops.

Proposed Crops : Rice, Cotton, Oil seeds, Tobacco, Potato, Cereals, Pulses, Vegetables, Mango, Grapes, Strawberry, Pomegranates, Citrus Fruits, Tea, Coffee, Medicinal Plants.

Compatible with all other insecticides & fungicides.



SIZERTM

FOR IMPROVED FRUIT SIZE & WEIGHT

SIZER is the natural product useful for improving size and weight, luster and keeping quality of fruits.

Active Ingredients : Extracts of natural waxes and cytokinins.

Toxicity data : Non Poisonous, Non Mutagenic, Non Carcinogenic, Non Irritant, Non Hazardous, Non Inflammable, Non-Toxic to life.

How it acts on plants ? SIZER is completely natural product containing extracts of natural waxes and cytokinins which are quickly absorbed by the plant which stimulates activity of tissues which are essential for metabolic activities resulting into increase in number of cells there by improving overall size of fruit.

Benefits :

1. Rapid growth in fruit size.
2. Uniform size and weight of the fruit, early harvest.
3. Increases sugar contents of fruits.
4. Improved luster and keeping quality of the Fruit.

Recommended Dosage :

For Spray : 2ml SIZER per litre of water.

For Dipping : 5ml SIZER per litre of water.

Proposed Crops : Rice, Garlic, Onion, Pepper, Carrot, Radish, Mango, Cashew nut, Pomegranates, Lemon, Orange, Citrus, Papaya, Strawberry, Watermelon, Muskmelon, Pumpkin, Apple, Pear, Avocado, Peach, Plum, Grapes, Tomato, Capsicum, Cauliflower, Cabbage, Broccoli, Cotton.

Compatibility Universal with GA, other plant growth products & pesticides.



FLORA[®] BIOSTIMULANT FOR OVERALL PLANT GROWTH

FLORA is a formulation of Humic acid, Ascophyllum nodosum extract, proteins which is used for improving roots and growth of the plants and increases humus contents in the soil.

Active Ingredients : Humic Acid 80%, Proteins & Ascophyllum nodosum extract (Sea weed variety).

How flora acts on plants? On application of flora its active ingredients increases micronutrient uptake ability. It makes fusion with soil phosphate and get

converted into simple form of phosphate which can be easily absorbed by roots. Increases humus content and root development. Increases and improves rate of photosynthesis. Improves texture and water holding capacity of soil.

Benefits : Humic Acid increases the humus content in the soil, resulting into considerable growth of roots and uptake of nutrients from the soil.

Most of seed gives healthy sprouts & helps Crops become resistant to water stress. It accelerates cell elongation and cell division, increases diameter weights and size of fruits.

Recommended Dosage : ½ gram per Litre of water for foliar spray.

Proposed Crops : Rice, Cotton, oil seeds, Tobacco, Cereals, Pulses, Vegetables, Mango, Grapes, Strawberry, Pomegranates, Citrus Fruits, Tea, Coffee, and Medicinal Plants, etc.



Silica-FertTM PLANT SUPPLEMENT

Active Ingredients : Silicon.

How Silicafert acts on plants? Silicafert helps to complete for silicon deficiency in crops. It acts as a biostimulant for plant growth. Increases the ability of crops to withstand conditions such as drought, heat and saline soils. Spraying of silicafert increase photosynthesis in crops. Also more nutrients are supplied to the crops. Silicic Fert helps to increase root efficiency. Leaves stay green due to high amount of

green matter. Overall it helps in healthy and strong growth of crops & healthy growth of new shoots. Silicafert enhances disease resistance in crops. It also reduces biotic and abiotic stress.

Benefits : Healthy, vigorous growth and development of crops. It helps to increase photosynthesis in crops. SilicaFert enhances disease resistance in crops. It also reduce biotic & abiotic stress.

Recommended Dosage : For spraying: 1 gm per liter of water.

For drip : 1 to 2 kg per hectare.

Proposed Crops : Rice, Cotton, oil seeds, Tobacco, Cereals, Pulses, Vegetables, Mango, Grapes, Strawberry, Pomegranates, Citrus Fruits, Tea, Coffee, and Medicinal Plants, etc.



ViroSan®

ECOFRIENDLY ANTIVIRAL PRODUCT

VIROSAN is an unique Biotechnology and Ayurveda based formulation for stopping the spread of plant virus commonly found in green houses and open farms. Virus are non-living, biologically supramolecular assemblies that replicate themselves in appropriate host cells. The virus infected leaves appear fern like, shows mosaic

structure, yellowish areas, curling, dwarfing, distortion etc. Such attacks are difficult to control with any chemicals as of today.

Active Ingredients : Pectate enzymes, Clove bud oil, Ginger oil, Basil oil, etc.

Toxicity data : Non-Poisonous, Non-Toxic. Non Hazardous, Non Irritant, Non Combustible

Mode of action : On foliar application, the active ingredients are quickly absorbed by the plants. Due to the enzymatic action, virus inside the cell is exposed, and pectate enzyme removes the coat around the cell wall leading to Destruction of virus. Thus due to acidic nature of clove bud oil and ginger oil, viral RNA is exposed and inactivated, inhibiting its replication. It results in good growth of crops. Virosan ensures healthy sprouts and fruit setting on new shoots. Tobacco Mosaic Virus (TMV), Tomato Bushy Stunt Virus and Tomato Ringspot Virus are the main plant viruses. Insect vectors responsible for spread of these viral diseases are aphid and white fly. So control of these vectors can also help to control spread of these viral diseases.

Benefits :

1. Virosan reduces virus transmission and new sprouts remain healthy and uninfected.
2. New sprouting results in increased photosynthesis which in turn leads to increased crop yield.
3. Virosan is natural product which can control diseases on plants.
4. No any toxic residue on crops and fruits. No side effects to the plants.

Recommended dosage : Mix 1gram to 2gram Virosan in 1 litre of water and spray on leaves immediately on noticing the viral occurrence.

Recommended crops : Virosan ensures reduction in viral infection on plants like Chilli, Tomato, Brinjal, Lady Finger, Potato, Leafy Vegetables, Cotton, Citrus, Crops, Bunchy top of Banana, Fig, Rice etc.

Compatible with all other Agro chemicals



Nematosan®

NATURAL NEMATOCIDES

NEMATOSAN are a completely natural products based on extracts of natural herbs.

Active ingredients : Marigold extract, Sesame Oil.

Toxicity data : Non Hazardous, Non Poisonous, Non Irritant, Non Flammable, Non Combustible.

Mode of action : On application of Nematosan, amino acids ensures rapid growth of arthrobotrytis in the soil. These arthrobotrytis are essential for controlling harmful parasitic nematodes and it improves the population of self active nematodes and microorganisms which are useful for activating the roots. Marigold extract contains bioactive compound called α -therthienyl which is toxic to Nematodes and it has both protective and curative effect on root-knot nematodes in the plants. Marigold extract is known to be the most efficient against root knot nematodes and other harmful parasitic nematodes. Combination of ingredients activates proliferation of self acting nematodes, which in turn control the population of parasitic nematodes.

Benefits :

1. Amino Acid reduces stress of the Plants.
2. Successful prevention and control of harmful nematodes.
3. Can be used right up to harvesting as no residues are found on agri produce.

Recommended Dosage : Nematosan Powder : 300-500 gram Nematosan powder per hectare by drenching or through drip or mix with any fertilizer.

Recommended For : Nematosan Powder effectively controls infestation of Root Knot, Dagger, Lesion, Reniform, Ring, Stubby-root, Cyst, Gall etc.

Compatible with all other chemicals, fungicides, nematocides and insecticides.



Bacterisan®

NATURAL ANTIBACTERIAL

BACTERISAN are Biotechnology and Ayurveda based unique formulation for stopping spread of plant bacteria such as Erwinia, Pseudomonas, Xanthomonas, Corynebacterium, Agrobacterium which are causing diseases like soft rot, vascular diseases or wilts, blights, local lesions or spots, etc.

Active ingredients : Bacterisan : Clove extract, Black pepper extract & Basil extract.

Toxicity data : Non Poisonous, Non toxic, Non Hazardous, Non Irritant, Non Flammable, Non Combustible.

Mode of action : Bacterisan & Zanthonil are a formulations of known antibacterial natural ingredients. On foliar application, the active ingredients are quickly absorbed by the plant cell. The strong antibacterial properties of ingredients causes bacteria do not produce any toxins and enzymes, which degrade the cell wall and tissue disorganization. The spreading of bacteria is also stopped and tender leaves and sprouts are prevented from bacterial infection. Basil extract strengthens the plant cell walls that prevent bacterial infections. Black pepper extract controls bacterial growth and multiplication of bacteria that so further spreading is prevented. Clove extract breaks bacterial cell by causing damage to both cell wall and membrane of bacteria.

Benefits :

1. Bacterisan is 100% natural formulations, non toxic and non persistent.
2. Effective in case of soil borne bacterial wilt as well as attacks on leaves.
3. Can be used right up to harvesting as no residues are found on agri produce.

Recommended Dosage : Bacterisan 1-2 gram per litre of water for spraying.

Zanthonil 1-2ml per liter of water for spraying.

Recommended crops : Rice, Pomegranate, Oranges, Citrus, Cotton, Apples, Coffee, Tea, Chilli, Cereals, Pulses, Oakra, Tomato, Potato, Ginger, Garlic, Onion, Grapes, Medicinal Plants, Floriculture, etc.

Compatible with all insecticides, pesticides & fungicides.



Funginil™

NATURAL FUNGICIDE

FUNGINIL is a natural blend of herbal extracts made at low temperature & useful to prevent and cure various types of fungal diseases e.g. powdery mildew, blight, rust, etc.

Active Ingredients - Turmeric Oil & Herbal extracts

Toxicity data - Non Poisonous, Non Hazardous, Non Irritant, Non Flammable, Non Combustible,

Funginil-Powder : Mode of action - Pathogenic strains of various fungi penetrate the plant cell walls. These strains then start absorbing the nutrients from the plant cells. This results in severe toxicity to the plants and affects the overall growth of the plants. Turmeric oil results in to stoppage of leasing of cell walls caused by ergosterol secretion, thus successfully preventing the fungal attack on the plant cells.

Benefits :

1. Very effective against many fungal diseases.
2. Effective in case of soil borne fungal diseases.
3. Can be used right up to harvesting as no residues are found on agri produce.

Recommended dosage : Funginil Powder : For foliar application 1-2 gram of Funginil powder in 1 litre of water.

Recommended crops : Funginil Powder Effectively Controls Fungal diseases occur on Grapes, Apple, Peach, Pear, Tomato, Potato, Cucumber, Cotton, Vegetables, Cereals, Pulses, Turmeric, Rice and many Horticultural crops.

Compatible with all insecticides, fungicides.



Neemicide™

NATURAL PEST CONTROL

NEEMICIDE is a unique formulation based on neem oil with Azadirachtin that works as the only solution for effective insect / pest control in short as well as long term without endangering the human life, flora & fauna for all types of crops.

Active Ingredients : Neem oil with Azadirachtin & triterpenes.

Toxicity data : Non Poisonous, Non toxic, Non Hazardous, Non Mutagenic, Non Carcinogenic, Non Flammable, Non Combustible,

Uses : To control most of pest populations like Heliothis, Spodoptera, Aphids, Jassids, Semiloopers, Mealy bugs, White flies, Mites etc. Widely used on vegetables, Cotton & horticultural crops.

Mode of action : NEEMICIDE has both systemic and contact action. Its active ingredients Azadirachtin and triterpenes are easily absorbed by the plant cells and make the plant resistant to insects and pests. Azadirachtin with neem oil is effective on as many as 200 insects / pests with broad spectrum activity. Neemicide is safe for non target organism, has no residues and has no adverse effect on soil micro flora.

Benefits :

1. Repels insects and pests nonviolently.
2. Antifeedent action and insect growth disruption results in less pest population due to starvation.
3. Causes serious deformation in insects and pests resulting in disruption and reproductive capabilities.
4. Insects/pests cannot develop resistance even after 42 generations against Azadirachtin. So immunity is not developed, as in case of other pesticides.
5. Acts as an excellent oviposition deterrent and ovicide resulting in prevention of egg laying and killing embryo.
6. Use of Neemicide in regular pest management with other pesticides intensifies action by weakening & starving of pests.
7. By repetitive use of Neemicide, results in to reduced pest attacks, number of phytosanitary sprays can be reduced by 20 to 30 % resulting in substantial saving in cost of insecticides and pesticides.

Recommended Dosage : 3 to 5 ml. of Neemicide per litre of water for spray.

Compatible with all other insecticides & Pesticides.



Unique 7 in 1 product

NEUTRASPREAD is a Silicon based wetting agent

- | | | |
|--------------------|---------------|-------------|
| ✓ Non-Ionic | ✓ Penetrator | ✓ Spreader |
| ✓ Soil conditioner | ✓ pH Balancer | ✓ Activator |

Dosage : Check the pH of water & use 0.5 to 1 liter of water.

HOW TO USE NEUTRASPREAD:

Neutraspread is used for all types of crops. Neutraspread is compatible with all types of insecticide, pesticides,

fungicides, herbicides, and plant growth promoter etc. Neutraspread can be used in all seasons. First check the PH of water with the help of pH strip.

If pH is 7 to 8 then add 0.5ml of Neutraspread per liter of water.

If water pH is 8 or greater then add 1ml Neutraspread per liter of water.

Benefits - PH Balancer : For better efficacy of spraying solution water should be in PH between 6 to 7. So by using Neutraspread we can adjust the pH of alkaline water upto 6-7 (neutral), and hence efficacy of spray solution increases and farmers save the cost.

TDS Reducer : Neutraspread reduces water hardness and TDS, hence farmer can save the unwanted expenses on insecticide and pesticides.

Spreader, Penetrator, Activator : Neutraspread is made from non-ionic wetting agent, hence after spraying, solution spread uniformly & quickly it penetrates in leaf cell wall therefore spray, solution become effective. Due to quick penetration & spreading within cells & tissues, applied spray efficacy is accelerated & better results.

Silicon Base: Neutraspread is a Silicon based product. Silicon helps to increase immune system in crops, hence it reduce insects, fungal and bacterial infection. It helps in photosynthesis process. Silicon is used as stress resistance.

Compatible with all Agrochemicals



Ecocide™ / Ecoda™ Nomites®

VEGETABLE OIL BASED E.C. FOR CONTROLLING SUCKING PESTS

ECOCIDE is used to control sucking pests like White fly, Aphid, Leaf miner, Mealy bugs etc.

Active Ingredients : Chilly extract.

ECODA effectively controls Jassids, Thrips & Citrus Psylla infestation.

Active Ingredients : Pine oil, Castor oil, Vitex extract etc.

NOMITES PLUS controls various mite species that infest on crops such as Red spider mite, Gray mites, double dotted mites, coconut mites etc.

Active Ingredients : Allium sativum extract, Black pepper extract.

Toxicity data : Non Poisonous, Non Mutagenic, Non Carcinogenic, Non-Toxic to life. No residue on farm produce.

Mode of action : Ecocide acts as a repellent, antifeedent & growth disrupter. After application of ecocide the insect pests cannot feed on plant & they will die due to starvation. This shows unique contact action and translaminar effect when spread at regular interval. Vitex extract from Ecoda slower appetite of insects. Egg and nymph Stages of insect remain undeveloped. Repellent activity of Allium sativum extract from Nomites Plus deters pests also act as contact pesticide. Active ingredients acts on sensory organs hence pests remain unable to suck cell sap. Unique ovicidal action and knock down effect controls mites' population by natural way.

Benefits :

1. Repels insects and pests nonviolently.
2. Antifeedent action and insect growth disruption results in less pest population due to starvation.
3. Causes serious deformation in insects and pests resulting in disruption and reproductive capabilities.
4. Acts as an excellent oviposition deterrent and ovicide resulting in prevention of egg laying and killing embryo.
5. Doesn't cause side effect or phyto toxicity.

Recommended Dosage : 2/3 ml per litre of water for spraying.

How to Use : Can be used as preventive, Spray immediately after noticing the pest attack on the crop.

Cost effective & compatible with other insecticides, fungicides & PGR's



GROWTHSTIM®

AMINO BASED PLANT SUPPLEMENT FOR HIGHER YIELDS

GROWTHSTIM is a biostimulant based on essential amino acids L-cysteine, that can be used as a plant supplement to improve the biochemical and physiological function of plant cells, so as to improve the plant health which results in overall improvements in yields.

Active Ingredients : Timonacic and Folic acid.

Toxicity data : Non Poisonous, Non-Toxic, Non Hazardous, Non Mutagenic, Non Carcinogenic.

How it acts on plants?

On foliar application, the active ingredient is quickly absorbed by the plant and get converted into Thoproline to form cysteine and finally in to L-cysteine which is common biostimulant for improving the biochemical and physiological efficacy of the plants.

Benefits :

1. Improves production of Aspartic acid and Glutamic acid resulting into better Utilization of nitrogen by the plant cells.
2. Increases Valin and Glutamate in plant cells, thus improving sustainability even under stress conditions.
3. Improves the rate of growth there by improving harvest period and also enables early harvest.
4. Improves overall health of plant, induces mores flowering, reduces flower and fruit drop, better and higher quality and quantity yields.
5. Safe and no harmful residues.

Recommended Dosage : 1-2ml in 4 litre of water for foliar spray.

Recommended crops : Rice, Grapes, Apple, Peach, Pear, Tomato, Potato, Cucumber, Cotton, Tobacco, Vegetables, Cereals, Pulses, Onion, Garlic, Ginger, Turmeric, Pepper, Vanilla, Opium, Tea, Coffee, etc.

Compatible with all other pesticides & plant growth products.