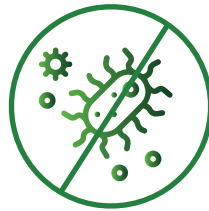


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ALSTASAN

SILVOX

AGRICULTURE DISINFECTANT



INDIA LOSES AN ESTIMATED 15-20% OF ITS TOTAL CROP PRODUCTION ANNUALLY DUE TO VARIOUS CROP DISEASES. THIS AMOUNTS TO APPROXIMATELY RS ₹90,000 CRORES IN LOSSES EACH YEAR.



Crop diseases are a significant threat to farmers, leading to reduced yields, financial losses, and food insecurity. Diseases like bacterial blight, powdery mildew, and viral infections can devastate crops such as rice, wheat, vegetables, and fruits, resulting in up to 20% of annual crop production losses in India.

For farmers, these losses translate into diminished incomes, increased debts, and the uncertainty of sustaining their livelihoods. The constant battle against crop diseases forces them to invest heavily in treatments, often with limited success, impacting not just their financial stability but also the overall agricultural productivity and food supply.

ALSTASAN SILVOX

An advanced agricultural disinfectant that harnesses the power of Stabilized Diatomic Oxygenated Water with Nano Silver Particles. This innovative formulation is engineered to protect your crops from the unseen dangers that threaten their health and yield, ensuring that your farm remains productive and sustainable.

WHAT MAKES IT UNIQUE & EFFECTIVE?



DIATOMIC OXYGENATED WATER

A potent, stabilized form of oxygen that acts rapidly to cleanse and purify agricultural environments without leaving harmful residues.



NANO SILVER PARTICLES

These microscopic particles enhance the stability and effectiveness of the formulation, ensuring prolonged protection against harmful pathogens.

THE NEED FOR ALSTASAN SILVOX IN MODERN AGRICULTURE

With the rising incidence of crop diseases, there's a need for a solution that not only addresses these issues but does so in a way that is safe for both the crops and the environment. **ALSTASAN SILVOX** offers a sustainable alternative, reducing reliance on traditional chemical treatments while maintaining the health of your crops and Soil.

HOW ALSTASAN SILVOX BENEFITS FARMERS?

PREVENTS DISEASE OUTBREAKS

Ensures that your crops reach their full potential, leading to higher yields.

REDUCED DEPENDENCE ON PESTICIDES/FUNGICIDES

This formulation minimizes the need for traditional chemical treatments, making your farming practices more sustainable and eco-friendlier.

EXTENDED SHELF LIFE

Crops treated with ALSTASAN SILVOX experience a longer shelf life, reducing post-harvest losses.

NON-TOXIC & ECO FRIENDLY

Contains no harmful or toxic chemicals, that hamper crops' health.

NO PHYTOTOXIC EFFECT

Causes no changes in the taste or smell of the farm produce

ECO FRIENDLY

Does not degrade into harmful by-products



HOW ALSTASAN SILVOX WORKS?

BY LEVERAGING THE COMBINED POWER OF STABILIZED DIATOMIC OXYGENATED WATER AND NANO SILVER PARTICLES:

Upon application, **ALSTASAN SILVOX** releases oxygen, which disrupts the cellular integrity of harmful microorganisms, rendering them inactive. The stabilization process ensures that this oxygen is released only when it comes into contact with pathogens, making it highly efficient and targeted. Nano Silver Particles act as a stabilizing agent, ensuring that the Diatomic Oxygenated Water remains active over extended periods. Nano Silver also interacts with the DNA of pathogens, preventing them from multiplying and spreading.

WHERE IS **ALSTASAN SILVOX** USED?



OPEN FIELD CULTIVATION

Grapes, Apple, Pomegranate, Chili, Capsicum, Tomato, Tea, Cabbage, Cauliflower, Rice, Wheat, Barley, Almond, Banana, Turnip, Beetroot, etc.



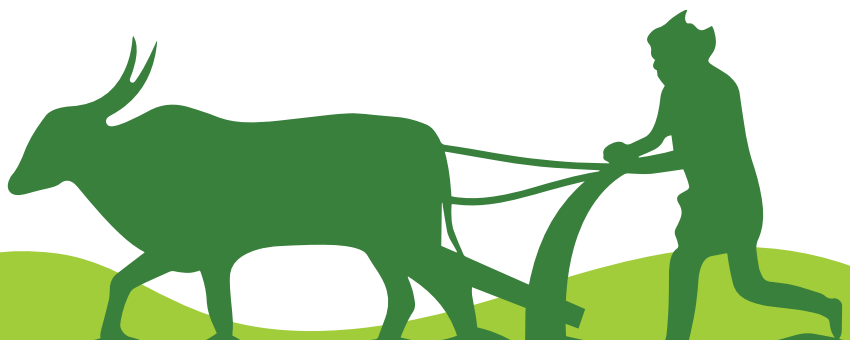
PROTECTIVE CULTIVATION

Capsicum, Cherry Tomato, Cucumber, Cabbage, Pea, Broccoli, etc.



FLORICULTURE

Gerbera, Carnation, Anthurium, Daisy, Liliium, Orchid, Chrysanthemum, Gladiolus, etc.



HOW IS ALSTASAN SILVOX USED?

ALSTASAN SILVOX is versatile and can be applied through various methods, including foliar spraying, drenching, drip irrigation, fumigation, etc. It's effective across a broad spectrum of pH levels and temperatures, ensuring that your crops are protected under various environmental conditions.

DOSAGE AND FREQUENCY OF USE FOR EACH APPLICATION



FOLIAR SPRAYING (छिड़काव):

Apply foliar spray in the early morning before the sun heats up. Mix 1-3 ml of ALSTASAN SILVOX per liter of water and spray it on the plants every 7-15 days to prevent white powdery growth on leaves. This acts as a preventive measure.

SOIL STERILIZATION/FUMIGATION (धूम्रीकरण)

Before planting, soil fumigation is done to manage harmful soil borne pathogens. Mix 35 ml of ALSTASAN SILVOX with 3 liters of water and evenly spread it over moist soil using a spout. There's no need for rinsing with water or covering the soil with plastic. After 12 hours, the soil is ready for planting. This method effectively eliminates most of the harmful micro organisms that cause diseases.



DRIP METHOD (ड्रिप विधि)

ALSTASAN SILVOX, when mixed at 1-2 ml per liter of irrigation water, should be fed to the plant root zones through a drip line. This needs to be repeated every 15 days or as recommended. Doing this helps prevent the re-growth of harmful pathogens. Over time, drip lines can get clogged due to the buildup of biofilms, but using ALSTASAN SILVOX helps keep drip lines and venturi meters clear and functioning smoothly.

DRENCH METHOD (ड्रेंच विधि)

It's ideal to drench the soil early in the growing season, allowing ALSTASAN SILVOX to spread within the plant before harmful pathogens can take hold. Mix 2-5 ml of ALSTASAN SILVOX per liter of water and drench the soil every 15-30 days, or as advised. The frequency of drenching depends on the weather and the stage of crop growth.



TOOLS STERILIZATION (उपकरण कीटाणुशोधन)

All agricultural tools, including sowing trays, cutting knives, scissors, boots, and clothing, should be disinfected before and after use to prevent the spread of diseases. To properly sterilize these tools, dip them in a 1% solution of ALSTASAN SILVOX for 10-20 minutes. This helps to prevent cross-contamination and the spread of pathogens.

SEED BED TREATMENT (पौध उपचार)

Using plant protection methods is important for the healthy growth of nursery plants. Soil can have harmful germs that slow down the growth of seedlings. To protect them, mix 10 ml of ALSTASAN SILVOX with 1 liter of water and drench the seed bed 7-15 days after the seeds have sprouted. This helps the plants grow strong and healthy or else treat the seedbed 1-2 days before seed sowing.



SOIL LESS/ HYDROPONICS TREATMENT (मिट्टी रहित/ हाइड्रोपोनिक्स उपचार):

Growing plants hydroponically in various substrates can be a great alternative to regular soil, but these substrates can still harbor harmful pathogens like *Pythium sp.* To disinfect them in time, mix 5 ml of ALSTASAN SILVOX with 1 liter of water and soak the cocopeat for 4-6 hours until it is fully wet. This process helps prevent cross-contamination and keeps the plants healthy.

DISEASES	INFESTATION	CROPS	APPLICATION OF ALSTASAN SILVOX
FUNGAL	<p>Root /Foot Rot, Crown/Collar Rot and Wilt</p> <p>जड़/फुट सड़न, क्राउन/कॉलर सड़न और विल्ट</p>	<p>Banana, Guava, Citrus, Apple, Gerbera, Rose, Carnation, Anthurium, Gladiolus, Chili, Capsicum, Tomato, Tea, Sugarcane</p> <p>केला, अमरूद, साइट्रस, सेब, जरबेरा, गुलाब, कारनेशन, एन्थूरियम, ग्लेडियोलस, मिर्च, शिमला मिर्च, टमाटर, चाय, गन्ना</p>	Drenching and Foliar Spraying
	<p>Powdery Mildew and Downy Mildew</p> <p>पाउडरी मिल्ड्यू और डाउनी मिल्ड्यू</p>	<p>Grapes, Apple, Gerbera, Rose, Carnation, Cucumber, Onion, Garlic, Ladies Finger</p> <p>अंगूर, सेब, जरबेरा, गुलाब, कारनेशन, ककड़ी, प्याज, लहसुन, भिंडी</p>	Foliar Spraying
	<p>Damping Off</p> <p>नम</p>	<p>All types of Seedlings</p> <p>सभी प्रकार के पौध</p>	Drenching and Foliar Spraying
	<p>Botrytis Blight</p> <p>बोट्रीटीस ब्लाइट</p>	<p>Banana, Guava, Citrus, Gerbera, Rose, Chili, Capsicum, Tomato</p> <p>केला, अमरूद, नींबू, जरबेरा, गुलाब, मिर्च, शिमला मिर्च, टमाटर</p>	Foliar Spraying
BACTERIAL	<p>Bacterial Blight/Wilt</p> <p>बैक्टीरियल ब्लाइट/विल्ट</p> <p>Bacterial Canker</p>	<p>Pomegranate, Citrus, Gerbera, Carnation, Orchids, Brinjal, Tomato</p> <p>अनार, खट्टे फल, जरबेरा, कारनेशन, ऑर्किड, बैंगन, टमाटर</p>	Foliar Spraying
PATHOGENS	<p>Nematode Infestation</p> <p>नेमाटोड संक्रमण</p>	<p>Guava, Gerbera, Rose, Carnation, Chili, Capsicum, Tomato, Brinjal, Cucumber, Sugarcane</p> <p>अमरूद, जरबेरा, गुलाब, कारनेशन, मिर्च, शिमला मिर्च, टमाटर, बैंगन, खीरा, गन्ना</p> <p>अमरूद, जरबेरा, गुलाब, कारनेशन, मिर्च, शिमला मिर्च, टमाटर, बैंगन, खीरा, गन्ना</p>	Drenching, Soil fumigation
	<p>Mites Infestation</p> <p>घुन का संक्रमण</p>	<p>Papaya, Citrus, Chili, Brinjal, Cucumber</p> <p>पपीता, साइट्रस, मिर्च, बैंगन, ककड़ी</p>	Foliar Spraying



TECHNICAL SPECIFICATIONS



ATTRIBUTES	VALUE
FORM	Clear Colorless Liquid
ODOR	Odorless
ASSAY AS DIATOMIZED OXYGENATED WATER (% WT.)	50.0 (Min.)
Assay as Nano Silver (% wt.)	500 ppm (Min.)
pH (NEAT)	1.5 – 2.0
SOLUBILITY	Soluble in water



STORAGE

Keep in a cool, dry place, ideally between 5°C and 30°C, away from direct sunlight and heat sources. Always store the product in its original, tightly closed container and make sure it is properly labeled. Keep it away from strong acids, alkalis, and reducing agents, as well as flammable or combustible materials. It is important to use the product within its recommended shelf life to ensure maximum effectiveness. In case of fire, use water spray, foam, or CO₂ to extinguish, and ensure that an emergency eyewash station and safety shower are accessible in the storage area. Shelf Life: 2 Years when stored properly.



HANDLING MEASURES & PRECAUTIONS

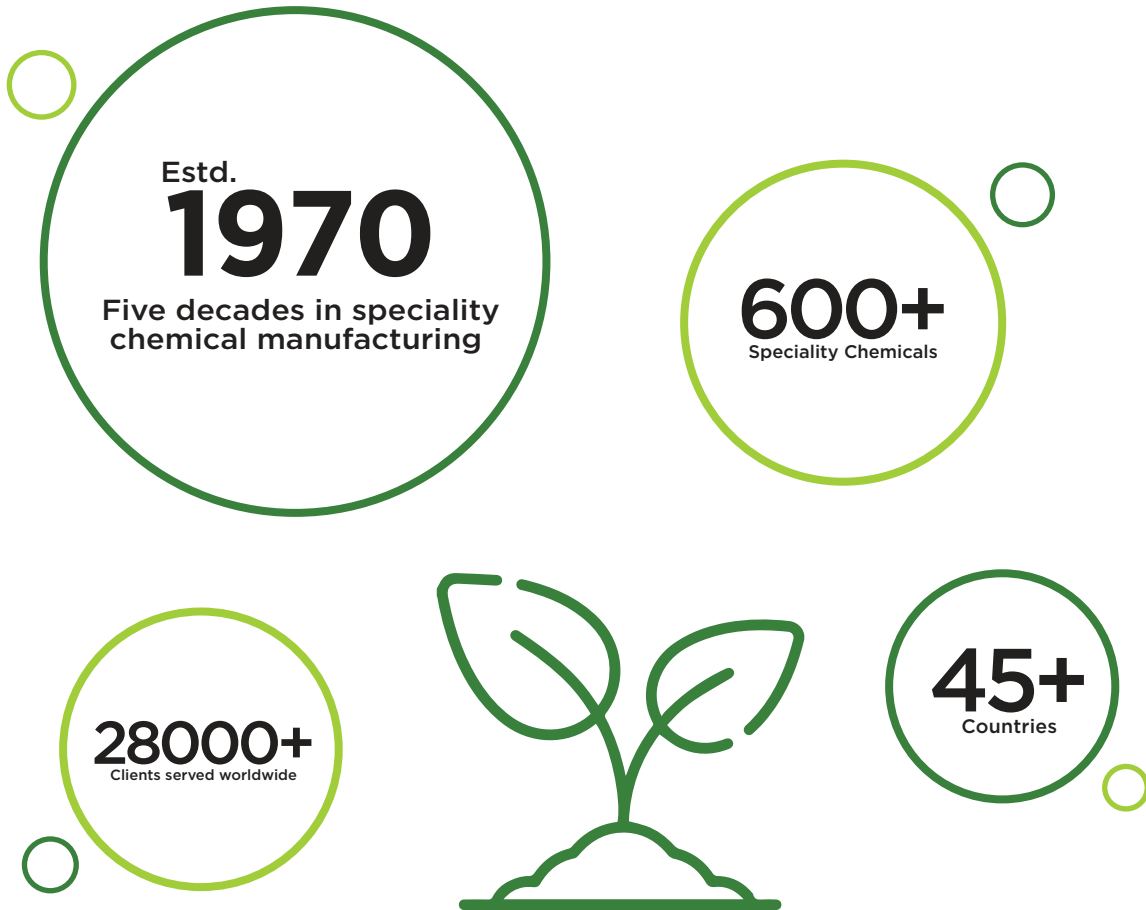
Should be handled with care to ensure safety and effectiveness. Always wear appropriate personal protective equipment (PPE), including gloves, safety goggles, and a mask, to prevent direct contact with the skin and eyes. It is crucial to avoid inhalation of vapors or ingestion of the product; in case of accidental exposure, seek immediate medical attention. Ensure that the area where ALSTASAN SILVOX is used is well-ventilated, and handle the product carefully to avoid spills and leaks. If a spill occurs, clean it immediately with water and ensure that it does not come into contact with incompatible materials. Keep away from children.



STORAGE

1L Bottle & 10L Jar.





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