

# AGRICULTURE

## Application & Dosage



### SEED TREATMENT

80% of sown seeds, are untreated. Treatment with **Peroxsil Ag+** for 8-12 hours before planting, protects the seeds from soil borne diseases, protects emerging seedlings from sucking insect pests that affect crop emergence and development. It increases seed germination, reduces mortality and enhances root formation.

Use a 1% solution (Add 20ml of **Peroxsil Ag+** to 980ml of water.)



### SOIL STERILIZATION TREATMENT

Soil Sterilization is a pre-plantation treatment over soil-borne pathogens, and stubborn nematodes. To be applied uniformly over moistened soil beds using a spout method. Requires no water rinsing or plastic covering. After 12 hours, the soil is ready for planting.

(Dose 3 Ltrs water with 35ml Peroxsil Ag+ per m<sup>2</sup> of soil application)



### SEED BED TREATMENT

The adoption of plant protection measures, catalyzes efficient development of nursery plants. Soil containing pathogens affect the growth and development of seedlings. Seed beds should be drenched with 10ml **Peroxsil Ag+** per litre of water, 7 - 15 days after germination.



### DRIP METHOD TREATMENT

**Peroxsil Ag+** dosed at 1-2 ml/ltr of irrigation water is fed to the plant root through a drip line. This must be repeated once every 15 days. This prevents re-growth of infectious pathogens. Prolonged use of drip lines leads to the formation of biofilm. With **Peroxsil Ag+** the clogging of drip lines and dosing meters can be averted.



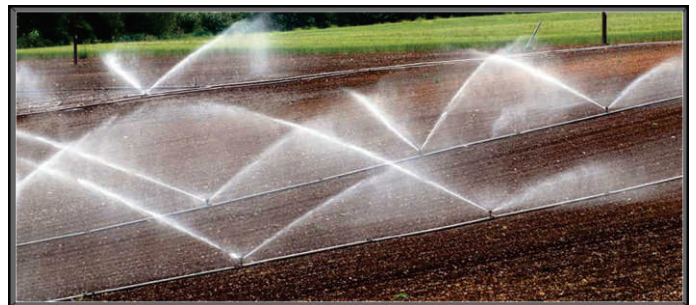
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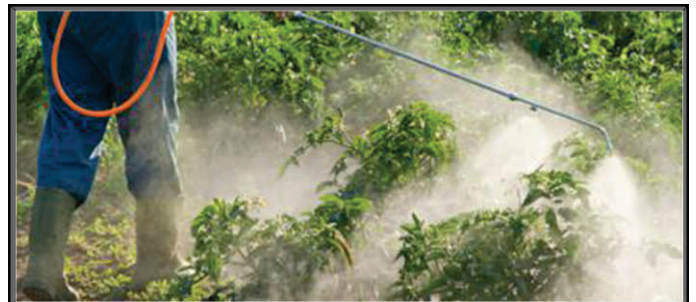
### DRENCH METHOD

It is best to drench the soil early in the growing season giving it time to disperse within the plant before pathogens flourish. The soil can be drenched every 15-30 days with a solution of 2-5ml **Peroxsil Ag+** per litre of water. Frequency of drenching is reliant on the weather and age of the crop.



### FOLIAR SPRAYING

Foliar spray should be applied in the early morning. **Peroxsil Ag+** solution at 1-3ml per litre of water sprayed once, every 7-15 days to control white powdery growth on leaves. This serves as a preventative measure. Spraying schedules should be fixed.



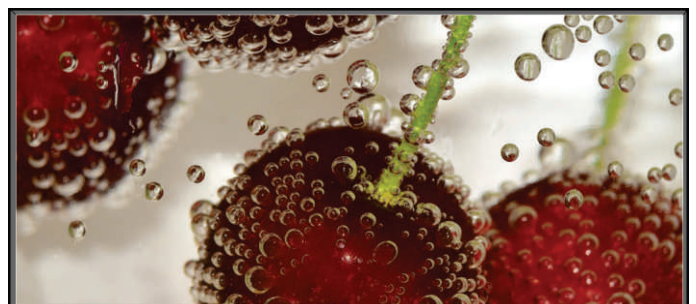
### HYDROPONICS TREATMENT

Growing hydroponically in a range of substrates can be a good alternative to regular soil but they harbour pathogens such as *Pythium* sp. etc... requiring their timely disinfection. Soak the Cocopeat until soggy & wet for 4-6 hours with a dilution of 5ml of **Peroxsil Ag+** per litre of water. This will prevent cross contamination.



### POST WASH HARVESTING

Pesticide application leaves unwanted taste, and toxic residues on the produce prompting consumer rejection. Washing with **Peroxsil Ag+** at 1ml/ ltr of water ensures farm-fresh appearance, eliminates toxic surface residues, increases shelf life of the produce, even after prolonged storage.



# PEROXSIL<sup>Ag+</sup> EFFECTIVELY REDUCES THE USE OF COMMON FUNGICIDES/ BACTERICIDES

PEROXSIL Ag+ should not be used with any other chemicals, and should be used within 45 minutes of dilution

Pathogen Type	Pathogen Diseases	Application Method
<b>Fungi</b>	Powdery Mildew	Foliar Spraying
	Downy Mildew	Foliar Spraying
	Bortrytis Blight	Foliar Spraying
	Damping off	Soil Drenching, Drip Method
	Anthrachnose	Soil Drenching, Foliar Spraying
	Rust	Foliar Spraying
	Black Rot	Foliar Spraying, Soil Drenching
	Dieback	Foliar Spraying
	Root Rot	Soil Drenching, Drip Method
	<b>Bacteria</b>	Bacterial Cankers
Leaf Wilting		Soil Fumigation
Leaf Spots		Foliar Spraying
Crown Gall		Soil Fumigation, Foliar Spraying
<b>Pests (Larvae &amp; Eggs)</b>	Root Knot Nematodes	Soil Fumigation, Soil Drenching

## AREAS OF APPLICATION

**Open Field Cultivation:** Grapes, Apple, Pomegranate, Chili, Capsicum, Tomato, Potato, Tea, Cucumber, Carrot, Cabbage, Cauliflower, Sugarcane, Rubber, Rice Paddies, Wheat, Barley, Almond, Turnip, Parsley, Pistachio, etc.

**Protective Cultivation:** Capsicum, Cherry Tomato, Cucumber, Apricot, Mushroom, Cabbage, Beetroot, Pea, Banana, Broccoli, etc.

**Floriculture:** Gerbera, Carnation, Rose, Anthurium, Daisy, Lillium, Orchid, Chrysanthemum, Gladiolus, Vanilla, etc.

**Cocopeat/ Soil less Media:** Mushroom, Tomato, Lettuce, Spinach, etc

## HANDLING MEASURES AND PRECAUTIONS

Gloves and eye protection, should be worn while handling concentrated Peroxsil Ag+. Skin contact may cause a temporary (+- 30 minutes) whitening and itching sensation. In such circumstances, wash the skin with water and apply moisturizing lotion or oil. When opening the container lid, the mouth of the container should be positioned away from the face. In case of eye contact, flush immediately with fresh water and seek medical attention. Keep away from children. Please refer to the MSDS for more details.

## STORAGE AND SHELF LIFE

Peroxsil Ag+ is an oxidizing product. It is packed in vented containers, to be stored in its original packaging in a cool and dry place, away from sources of heat, flame and direct sunlight. If the membrane of the vented cap is choked or the product is kept in a heated environment for extended periods of time, then this may cause bulging of the container. In such an event loosen the lid with precaution and leave the container idle for some time until the built up gases are released. Shelf life of Peroxsil Ag+ is 2 years, however solutions should be used within 45 minutes of dilution