

**SPOREKILL®.**

This environmentally friendly product helps to control fungi, bacteria and certain viruses. The nursery trade has been using this product for many years to treat benches, pots, growing media foot baths and treating seedlings etc. Controlling plant diseases is very hard as most bacterium cells can divide and multiply themselves every 30 minutes, which means that in 24 hours a single cell could produce 281474956710656 off spring! Water is the main carrier of the diseases that offsets our plants. PYTHIUM, PHYTOPHTHORA, FUSARIUM, plus many BACTERIA and VIRUSES are the main offenders! That is why many growers limit their watering to their plants (Could help stop the spread of disease). It is important to saturate the plant with SPOREKILL® to get the best results. It has been noted for best results, keep the plants with the solution as long as possible.

Note the following:

Can operate in wide ranges of pH readings. Is not volatile. Is surface active and a wetting agent. Stays active in solution for more than 24 hours. Can be mixed with fertigated water and many other chemicals. Can be used in hard water. Is not phytotoxic to plants at recommended dosages. It is active against Fungi, Bacteria, Yeasts and Viruses in water. Inhibits Algae. Has an LD50 oral value of 3500mg/Kg. There is no known resistance against SPOREKILL®. Can be used to disinfect tools and equipment in the green house. Dilute to a 1% solution with water. Can be used to disinfect trays, pots. Benches, tunnels, glass houses etc. Dilute to a 0.1% solution with water i.e. 1 litre of SPOREKILL® per 1000 litres of water. Try to keep surfaces wet for 10-15 minutes. Growing media could be disinfected with the use of SPOREKILL® AT 2 LITRES OF PRODUCT IN 1000 LITRES OF WATER. Make sure that the growing media is saturated with this 0.2% dilution, stays wet for at least 24 hours. Once media is dry e.g. 24 hours, then allow medium to dry for a day before using. Can be used to disinfect your water supply at 10-20ml per 1000 litres of water. Can be used on walls to kill algae. Dilute to 50ppm = 50ml of SPOREKILL® per 100 litres of water. If the area is already contaminated with algae use an initial dilution of 2000ppm for the first application. Then reduce to 50ppm.

SOME PLANT PATHOGEN THAT SPOREKILL® IS ACTIVE AGAINST- ALTERNARIA, BOTRYTIS, DOWNY MILDEW, ERWINIA, FUSARIUM, PHYTOPHTHORA, POWDERY MILDEW, PSEUDOMONAS, PHYTHIUM, RHIZOCTONIA, RUST SCLEROTINIA, STREPTOMYCES and XANTHOMONAS. This is a short list of pathogens that SPOREKILL® CAN CONTROL.

Keep in mind SPOREKILL® has no residual activity. It kills what it touches!

Tools, foot baths, hands	10lt/1000lt
Pots, tunnels	1lt /1000lt
Growing Media	2lt/ 1000lt
Irrigation water	10/20ml/1000lt
Water for spray tanks	250-1000ml/1000lt
Water used for post treatment for cut	
Flowers	1.5-2.0lt/1000lt (last for 72 hours)

NOTE I have not tried SPOREKILL® on post planting of seedlings from flasks or disinfecting seed ready for flasking. I hope this info will help growers with disease problems.

ALAN & MIRIAM MERRIMAN