

Boxwood Blight Treatment

Biological Plant Care

WHAT IS BOXWOOD BLIGHT?

Boxwood Blight is a fungal plant disease caused by the *Cylindrocladium* fungus. It is highly contagious making it spread easily. The first signs are brown or yellow spots on the leaves. The leaves typically turn brown or straw coloured, then fall off. The stems develop dark brown or black lesions. It can be fatal to young plants.

HISTORY OF BOXWOOD BLIGHT

The first description of Boxwood Blight was from the United Kingdom in the mid 1990s. In 2002 it was discovered in New Zealand. At that time the cause was identified as a new species of fungus and formally named *Cylindrocladium pseudonaviculatum*. The fungus causing the disease in the U.K. was later named *C. buxicola*. These are now known to be the same.

As no adequate fungicide is available against boxwood blight, growers started to use Actiferm mixed with the sticker agent Guard. Several growers reported good results with the use of Actiferm and a full academic research trial was set up which proved that Actiferm is a valuable biological solution to this increasingly devastating problem. Following through all seasons the trial concluded that the EM microbes have out-competed the fungus infection and allowed the plant to recover and thrive

ACTIFERM

3L Vacuum Bag-in-a-box / 20Ltr Can



Actiferm is a ready-to-use microbial plant/soil activator, suitable for use on all plants and soil types. When sprayed on soil, the unique combination of microbes in EM can contribute to increasing the soils natural immune resistance to help prevent disease. Ideally it is used all year round as a preventative biological treatment to aid plant growth and soil fertility. When sprayed on plants to treat boxwood blight, the microbes actually ingest the fungus.

Actiferm is best mixed with the sticker agent called Guard before being applied. The spray stays on the leaf where the fungus is present. We also recommend sprinkling the soil at the base of the plant stem with Bokashi. This is a dry bran-type product which should help combat fungal spores that have contaminated the soil.

Actiferm has a cumulative beneficial effect on the soil microbiota increasing the life in the soil which strengthens the plants immune resistance to disease.

GUARD

1Ltr Bottle



Guard is a sticky liquid which when mixed with Actiferm enhances and prolongs the activity of the good bacteria, when used as a foliar application. Our Research trials have proven that Guard is an

GUARD USAGE GUIDELINES: See mixing table for Actiferm.

Suitable for Boxwood and a large variety of edible crops:

Edible peas, Beans, Oil seed rape, Apricot, Almond, Peach, Grapes, Hops, lettuce, Raspberries, Blackcurrants, Apples, Pears, Plums, Cherry, Potatoes, Cauliflower, Cucumber, Tomato, Strawberries, Linseed, Sugar beet, Cereals, Maize and Brussel sprouts.



AGRITON

"We are very pleased to have gardeners at HRH Residence Highgrove using Actiferm and Bokashi on a regular basis and seeing the benefits accumulate over a period of time. No more tearing out of parterres! We advise to keep it clean, keep it clear, cut out any dead branches and spray on a regular basis."

Fran Box - Effective Micro-Organisms Ltd

BOKASHI BRAN

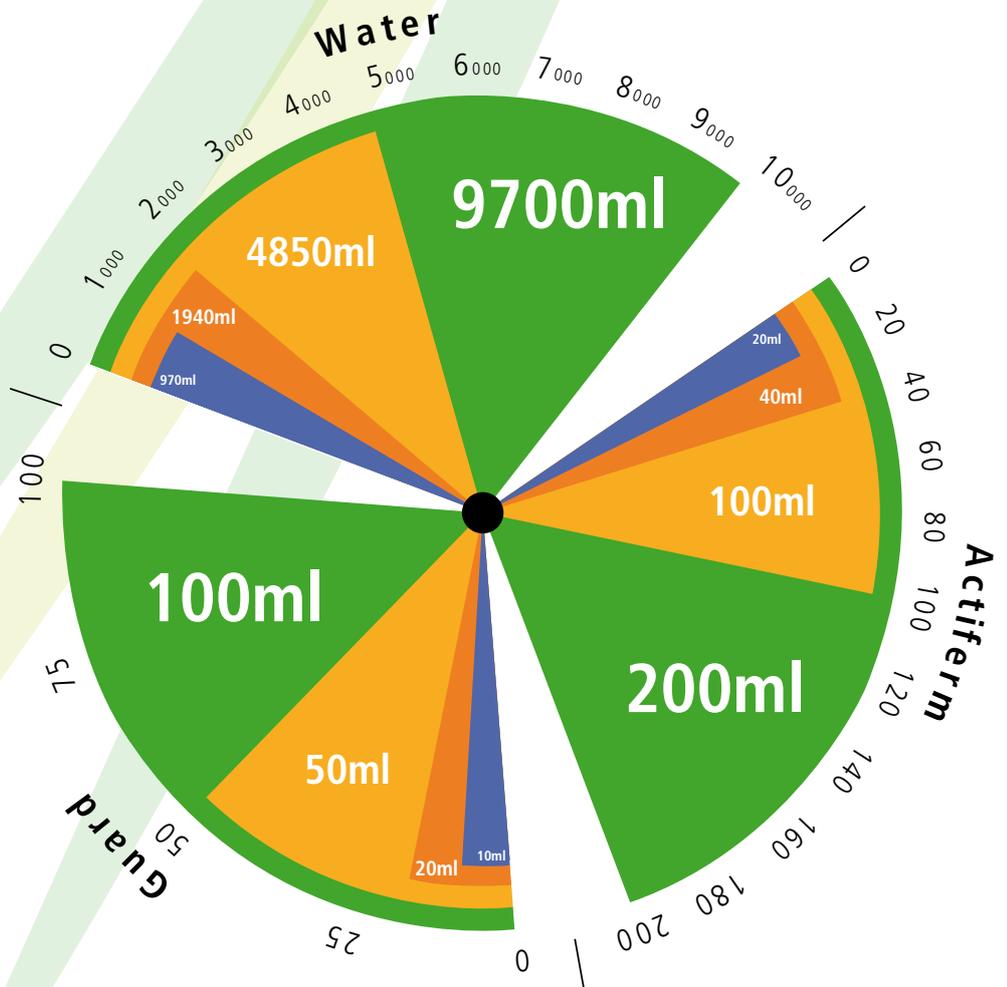
1kg / 2kg / 3kg / 5kg / 15kg Bag
Apply 0.4kg per square metre



Treat the soil at the base of the plant stem with **Bokashi**. This is a dry bran product which has been inoculated with our EM Microbes, giving it a long lasting effect in the soil depths. Sprinkle the Bokashi on the soil and rake lightly into the top surface so that any leaves that have fallen or will fall are treated. **EM** increases the population of beneficial micro-organisms in the soil. This cannot be achieved with chemical fertilisers and agricultural pesticides. Artificial fertilisers act on the salt and acid content, which can have a negative effect on the environment. **EM** does not kill other living things. The soil contains a whole multitude of microflora and fauna which includes microscopic bacteria, worms, nematodes and fungi which play an important role in nutrient exchange and plant growth. Strong healthy root formation is enhanced by the "life" in the soil. These organisms also defend the soil from disease and help prevent plant disease.

MIXING GUIDE

SPRAYER SIZE	Color
1Ltr	Blue
2Ltr	Orange
5Ltr	Yellow
10Ltr	Green



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