



Nature's Biological Protection

BioN Plant Defence

Bionematicide Formulation

Organic Biological Plant Defence Formulation

Liquid Abalone Soil Enhancing Fish Fertilizer

Wild Harvest 100% Australian Abalone

Active Ingredients:

Paecilomyces lilacinus, 100% Wild Harvest Australian Abalone Fish Fertiliser

(*Contains at least 5.0 x 10⁸ colony forming units per gram dry weight)



Fungal Disease and Nematodes Control

CASSA AgriTec's **BioN Plant Defence** is a broad spectrum, preventative suppression and control formula for the support of plant health. BioN's Bionematicide formulation is a root-colonizing biological defence, that can be used at planting and post planting, providing season-long protection against soil nematodes, soil arthropods and fungal disease.

CASSA AgriTec's BioN Plant Defence is an organic biological formulation that contains the naturally occurring micro-organism *Paecilomyces lilacinus* in combination with Wild Harvested Abalone Liquid Fish Fertilizer which uses 100% local Wild Harvested Abalone. In addition to providing plant defence against nematodes and soil fungi the abalone fish fertilizer improves soil health and increases soil fertility by providing the primary nutrients and active micro-organisms necessary for plants to thrive. CASSA's WHA Soil Enhancing Abalone Fish Fertilizer offers a source of burn-free nitrogen, along with other primary nutrients of phosphorus and potassium. Unlike synthetic fertilizer, it provides secondary nutrients such as calcium and active micro-organisms.

BioN Plant Defence can be used as component of an Integrated Pest Management (IPM) system. The bionematicide formulation is blended using WHA (Wild harvested abalone) Fish Liquid Fertilizer micronised to 80 micron for ease of application. When used as part of a complete pest management program this organic biological fertilizer can reduce crop damage by plant-parasitic nematodes, support plant health, produce quality and appearance in addition to helping maximizing shelf-life after harvest.

SUPPORTS PLANT HEALTH IN THE BIOLOGICAL PROTECTION AGAINST:

Burrowing nematode (*Radopholus similis*), Citrus nematode (*Tylenchulus semipenetrans*), Cyst nematodes (Heterodera and Globodera species), False root-knot nematodes (*Nacobus* species), Lance nematodes (*Hoplolaimus* species), Sting nematode (*Belonolaimus longicaudatus*), Stubby root nematodes, Lesion nematodes (*Pratylenchus* species), Reniform nematode (*Rotylenchulus reniformis*), Ring nematodes (*Criconemoides*, *Criconemella* and *Mesocriconema* species), Root-knot nematodes (*Meloidogyne* species), Spiral nematodes (*Helicotylenchus* and *Rotylenchus* species), Stem nematode (*Ditylenchus dipsaci*), (*Trichodorus* and *Paratrichodorus* species), Stunt nematodes (*Tylenchorhynchus* species)

BioN Plant Defence Benefits

- ✓ Micro-biological Root-colonizing Active Ingredient that Kills Nematodes
- ✓ Multi-site Mode of Action Against Nematodes Eggs and Juveniles
- ✓ Broad Spectrum Activity Against a Multitude Nematodes
- ✓ Activity by Contact, Ingestion and Exposure
- ✓ Internal Plant Response
- ✓ Economical Solution to Nematodes and Soil Insect Pests
- ✓ Creates a Biochemical and Physical Barrier to Improve Plant Health
- ✓ Broad spectrum suppression & control that provides extended protection
- ✓ Increases Yields and Harvest Quality and Protects against Yield Losses
- ✓ Promotes Stronger, Healthier Roots
- ✓ Active Against Specific Soil Arthropods
- ✓ Ideal for both Planting or Post-Planting Applications
- ✓ Organic, All Natural, Non-toxic Plant Defence Formula



All CASSA AgriTec microbes and enzymes are naturally occurring and sourced from nature. They are readily bio-degradable and have not been genetically modified. CASSA AgriTec microbes and enzymes are extracted using a proprietary enzymatic fermentation process avoiding chemical polluting treatments and carbon polluting methods.