

GH Grower Advisor

Newsletter for the Greenhouse Industry

Maximize your Crop Potential

Stella Maris



Stella Maris Aquatic Plant Extract is derived exclusively from *Ascophyllum nodosum* kelp harvested from the nutrient-rich North Atlantic coastal waters of Nova Scotia. It is a source of naturally occurring major and minor nutrients, carbohydrates, amino acids and bioactive compounds that enhance crop vigor, nutrition and quality resulting in improvements in plant development and yield.

Stella Maris is now the ONLY kelp product in Canada registered with the Canadian Food Inspection Agency.

Years of research by scientists at Acadian as well as university studies have demonstrated many benefits:

- Increases root growth and establishment of the crop.
- Improves overall plant health – increased vigor, improved plant canopy, better photosynthetic capacity.
- Enhances natural plant resistance to stresses – drought, salinity, temperature.
- Enhances nutrient levels.
- Increased production, fruit size, quality, delayed senescence, increased shelf life of perishable crops.

Greenhouse Bio-Insecticide

MET 52 EC

Met52 EC is composed of spores of the insect pathogenic fungus *Metarhizium anisopliae* strain F52. Once the product is sprayed onto the foliage or drenched into the soil, insects that come into contact with the fungus will become infected. The spores of *M. anisopliae* attach to the surface of the insect, germinate and begin to grow. It will penetrate the exoskeleton of the insect and grow inside the insect, causing the insect to die. Under moderate temperatures it usually takes 3 to 7 days once the insect is exposed for death to occur. At very cold or hot temperatures death may occur more slowly. The fungal spores will be more persistent when incorporated in the soil, especially in potting media, than when applied to foliage.



Met52 EC is a contact bioinsecticide for the effective control of thrips and whiteflies in greenhouse tomatoes, peppers, zucchini and strawberries. It is also registered in turf for hairy chinch bug and tick suppression. It is compatible with IPM programs using beneficial insects and has no chemical residue and no known resistance, as well as four hour REI and Zero hour Post Harvest Interval. Check whether fungicides are on the compatibility list before application.

COMPATIBILITY WITH BENEFICIALS

Pest	Beneficial	Beneficial Spp.
Thrips, whitefly	Predatory Mite	<i>Amblyseius spp.</i>
Mites, whitefly	Predatory Bug	<i>Macrolophus caliginosus</i>
Generalist	Predatory Bug	<i>Nesidiocoris tenius</i>
Thrips	Predatory Bug	<i>Orius spp.</i>
Generalist	Lacewing	<i>Chrysopa sp.</i>
	Rove Beetle	<i>Atheta coriaria</i>
	Predatory Mite	<i>Hypoaspis miles</i>
Fungus Gnats	Rove Beetle	<i>Atheta coriaria</i>
	Predatory Mite	<i>Hypoaspis miles</i>
Flies	Parasitic Wasp	<i>Nasonia vitipennis</i> , honeybees, earthworms

RichGROW Coco

Sustainable Growing Media

Now available through Terralink are pallets of 5 kg blocks of coco media. We have customizable blends available upon request. Currently, we stock pallets of 5kg dehydrated blocks of either 100% Chips (for orchids or gerberas), a mix of 60% chips and 40% fine coco (perfect for 4" pots and larger) or 100% fine coco (perfect for propagation and plugs).

RichGrow Coco is of very high quality with testing done at many greenhouses and nurseries. Technical support is available directly from the supplier if a grower wants

Keep it clean.



PYLON™ is a trademark of BASF Trademarks GmbH, used with permission by BASF Canada Inc.

With both contact and translaminar activity, and a unique new mode of action that gives you up to 21 days of control, **Pylon®** gives you a clean start - and finish - to your season.

Always read and follow label directions before product use.

Pylon®

miticide-insecticide

to investigate incorporating coco into their growing regimen. RichGrow coco is a consistently high quality, washed material with low EC's and tannin level and has an optimal pH of 5.5 to 6.5 that is perfectly suited to most greenhouse and nursery crops.

Coco can be mixed with other media such as peat moss, perlite, soil etc. . . Straight fines can be used for smaller plugs or a 50% peat-perlite and 50% coco fines for larger plugs.

Coco is renowned for its ability to evenly distribute moisture with better porosity throughout the growing media. It acts as a natural wetting agent. Even when completely dried, it will rehydrate easily. Peat at times becomes hydrophobic and repels water if it becomes too dry.

You will not have media with dry tops and wet bottoms with coco. This benefit of coco encourages faster and better rooting, fewer root rot problems and less if any liverwort growth. You will notice increased irrigation time efficiency, better water use management and fertilizer efficiency. Coco does not trap nitrogen like peat or bark does and will retain its fiber integrity for 2-3 years. This is especially important for crops held in pots for more than one season. Some adjustments to

growing techniques will be necessary when working with coco but the benefits of using this sustainable product will outweigh any alterations.

RichGrow coco comes in fully wrapped, weatherproofed and fumigated pallets to ensure a consistently superior product. Contact your TerraLink representative or our office today for more information.

The Only True Systemic

Kontos Insecticide

Kontos is latest insecticide from the tetramic acid (group 23) family to be registered in Canada.

It is the only true fully systemic insecticide, offering bidirectional movement through phloem and xylem to all plant tissues including new shoot, leaf and root growth, making it an ideal option for tough to control pests. There is no known cross resistance of Kontos with other pesticide mode of action groups, making it an excellent part of a resistance management program. Apply early in the cropping cycle, prior to infestation. It must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties. Be patient

as Kontos may take 3-7 days for noticeable control. REGISTRATION: On Greenhouse Tomatoes, Peppers, Cucumbers, and Eggplants – Aphids and Whitefly on Lettuce – Aphids

New Size

Bonzi

Bonzi is a popular plant growth regulator (PGR) for use on container grown ornamental bedding plants and plugs. The active ingredient, Paclobutrazol, when applied by foliar spray or into the soil as a drench, is translocated to growing terminals and reduces internode elongation. The result is a more desirable, compact plant. Bonzi is very active at low concentrations. Follow all label recommendations.

New for 2014, the 1 litre and 10 litre sizes are being phased out and replaced with a 2 litre size. No changes to the formulation or usage.