

Broad spectrum chitin consuming microbe community — with dozens of genus and hundreds of species selected and conditioned to consume all sources of chitin as their food source.

Designed to reset the soil microbial community and to enhance microbial species diversity.

MetaGrow C is unique in that the microbes grown are only supplied with chitin based proteins.

These microbes can produce chitinase enzyme to break down chitin as a protein source to grow and reproduce.

Applying **C** with **MetaGrow CFOOD** results in a temporary change in the metabolism in the soil or canopy, based on the chitin-based food chain. This metabolism change is like you changing your diet for a couple weeks. By temporarily taking the microbiology in this new metabolic direction, it creates the opportunity to restore and repopulate the soil or canopy biology. While this metabolism persists (peaks in about a week and persists for about a month), the chitinase capable microbes will be generating chitinase enzyme.

Once this peak is past, augment the reset of the soil or canopy biology by restoring the microbial diversity with **MetaGrow 5X+**. Once the microbes have been repopulated and restored to balance and full function, it is much less likely that pathogens will return to an out of balance condition that results in economic damage to the crop.

When combined with **MetaGrow MFOOD** as a food source, **C** can be used to increase the diversity of the microbial community for a healthier and more resilient soil and plant canopy — one that is naturally resistant to build up of pathogen populations. In addition to the broad spectrum chitin consuming microbe population, **C** also contains organic acids, amino acids, vitamins, enzymes and bioactive plant metabolites.

Food Safe Production Process

MetaGrow microbes are grown at our plant from a diverse range of microbe cultures, sourced from all over the world. Green waste is thermophilically composted, and fed to earthworms. No manure or food waste is used. An intensively aerobic production process assures that pathogens and other plant toxins are not present. MetaGrow products are tested and certified free of pathogens. There is no restriction on re-entry or days to harvest after application.

Application Guidance

MetaGrow C can be applied in-furrow at planting, by irrigation injection and foliar application. For general use, apply 2 to 5 gallons per acre, 1 to 5 times per year. To reset the soil biology, apply **C** to the soil at 3 to 5 gallons per acre, weekly for 4 to 6 weeks. Apply together with **MetaGrow CFOOD** (0.1 to 0.5 lbs per gallon of **C**) as a food source, to multiply the population and effect.

For improved microbial diversity, apply **C** together with **MetaGrow MFOOD** (0.1 to 0.2 lbs per gallon of **C**), and apply **MetaGrow 5X+** after a series of **C** applications.

For best results, use MetaGrow microbes and **MFOOD** or **CFOOD** with other components of a balanced, biological fertility program. Please refer to the product label for additional information, and follow the advice of a qualified consultant-dealer.