





MeloCon WG biological nematicide contains spores of a beneficial fungus which must germinate and grow in order to infect and kill plant-parasitic nematodes in the soil. For some applications it may be desirable to mix MeloCon WG with other products to also control insects and diseases or to enhance soil penetration.

Table 1 lists some soil-applied fungicides, insecticides, and other agricultural chemicals that have been found to have no adverse effects on spore germination and fungal growth under simulated tank mix conditions in the laboratory. These materials can be mixed with MeloCon WG for application without impacting efficacy against nematodes

| Table 1. Agricultural Chemicals Having No Adverse Effect on Viability of MeloCon® WG. | | | | | |
|---|---|--------------------------------|------------------------------|--|--|
| Active Ingredient | Chemical Group | MOA Code* | Product Trade Names | | |
| Fungicides | | | | | |
| Fosetyl-aluminum | Phosphonate | 33 | Aliette® | | |
| Metalaxyl | Phenyl amide 4 | | Ridomil® | | |
| PCNB (quintozene) | Aromatic hydrocarbon 14 | | Terraclor® | | |
| Propamocarb hydrochloride | Carbamate 28 | | Tattoo®, Previcur® | | |
| Insecticides & Nematicides | | | | | |
| Aldicarb | Carbamate | 1A | Temik [®] | | |
| Bifenthrin | Pyrethroid | 3A | Talstar®, Capture® | | |
| Carbofuran | Carbamate 1A F | | Furadan® | | |
| Ethoprop | Organophosphate 1B Mocap® | | Mocap [®] | | |
| Fenamiphos | Organophosphate | ganophosphate 1B Nemacur® | | | |
| Fipronil | Phenylpyrazole | 2B | Chipco® Choice™ | | |
| Fosthiazate | Organophosphate | 1B | Nemathorin® | | |
| Furfural | Aromatic aldehyde | | Multiguard®, Agriguard® | | |
| Imidacloprid | Neonicotinoid | 4A | Admire®, Marathon®, Provado® | | |
| Oxamyl | Carbamate | 1A | Vydate [®] | | |
| Terbufos | Organophosphate | 1B | Counter® | | |
| Herbicides | | | | | |
| EPTC | Thiocarbamate | e Eptam®, Eradicane | | | |
| Metolachlor | Chloroacetanilide | nloroacetanilide Dual®, Bicep® | | | |
| Metribuzin | Triazine Sencor®, Lexone® | | Sencor®, Lexone® | | |
| Adjuvants | | | | | |
| Alkoxylated polyols + glucoethers | Soil wetting agent WaterMaxx®2, IrrigAi | | WaterMaxx®2, IrrigAid® Gold | | |
| Citric acid + garlic extract | Wetting agent/buffer BioLink® Buffer | | BioLink® Buffer | | |
| Ethoxylated copolymers | Soil wetting agent PeneCal® | | PeneCal® | | |
| Linear alcohol + siloxane | Soil wetting agent Quadra-Tek® | | Quadra-Tek® | | |
| Polyether/polymethylsiloxane copolymer | Wetting agent Break-Thru® | | Break-Thru® | | |
| Polyethylene sorbitan monolaurate | Wetting agent | | | | |
| Yucca saponins | Wetting agent | ot Saponyn®, ThermX® | | | |
| Yucca saponins + garlic extract | Wetting agent | | BioLink [®] | | |

^{*}Fungicide Resistance Action Committee (FRAC) code or Insecticide Resistance Action Committee (IRAC) group based on mode of action, if applicable (as of November 2009).



Table 2 lists fungicides that caused significant reduction in viability of the beneficial fungus in laboratory tests.

These products should not be mixed with MeloCon WG for application. Allow at least 2 weeks between applications of MeloCon WG and these materials.

| Table 2. Fungicides That Reduced Spore Viability and Growth (Do Not Mix With MeloCon®) | | | | |
|---|------------------|--------------|--|--|
| Active ingredient | Chemical Group | FRAC Code | Product Trade Names | |
| Azoxystrobin (stobilurin) | Methoxyacrilate | 11 | Amistar®, Heritage®, Quadris®, Abound® | |
| Chlorothalonil | Chloronitrile | M5 | Bravo®, Daconil®, Echo®, etc. | |
| Mancozeb | Diothiocarbamate | M3 | Dithane® | |
| Benomyl | Benzimidizole | 1 | Benlate® | |
| Propiconazole | Triazole | 3 | Tilt®, Banner MAXX® | |
| Tebuconazole | Triazole | 3 | Folicur® | |
| Cyazofamid | Cyanoimidazole | 21 | Ranman® | |
| Fenamidone | Imidazolinones | 11 | Reason® | |
| Captan | Phthalimides | M4 | Captan® | |

Using MeloCon With SoilGard®

MeloCon can be used in a program with SoilGard 12G biofungicide to control both plant-parasitic nematodes and soilborne diseases, as an alternative or supplement to methyl bromide or other soil fumigants. However, MeloCon and SoilGard should not be mixed together in the same application. Upon application to the soil, the beneficial fungus in SoilGard produces a potent antimicrobial compound that kills and inhibits spore germination of other fungi in the immediate vicinity. Wait at least 3 days after SoilGard application to apply MeloCon when the effect of the antimicrobial compound has

DISCLAIMER: This technical bulletin is not a recommendation to mix MeloCon with any specific product. Mix only with products for which such mixing is permitted by the label for that product. Test the physical compatibility of unfamiliar mixtures by combining small amounts of the products in the intended proportions and mix order before actual use ("jar test"). This technical bulletin may be updated as new information becomes available.

dissipated. Allow at least 2 weeks after a MeloCon application before applying SoilGard.

Using MeloCon After Soil Fumigation

Soil fumigants, such as methyl bromide, chloropicrin, iodomethane (Midas®), metam sodium (Vapam®), or metam potassium (K-Pam®) may kill or inhibit the beneficial fungus in MeloCon. Apply MeloCon to recently fumigated soil only after fumigant gases have dissipated. Refer to the fumigant label to determine the safe planting interval after fumigation. MeloCon can be applied as soon as it is safe to plant the crop.

