

**BioCeres® WP** is a certified organic biological insecticide made from the ANT-03 strain of the *Beauveria bassiana* entomopathogenic fungus. Due to its unique makeup, it may not have the same compatibility with certain pesticides as other *Beauveria bassiana*-based products.

Compatibility tests were conducted at the Anatis Bioprotection laboratory, involving measuring the germination of *Beauveria bassiana* spores (%) after mixing BioCeres® WP with the tested products. The doses (weight/volume) used for the tests respected the manufacturers' recommendations.

With the help of its partners, Anatis Bioprotection will continue testing different pesticides to expand knowledge of compatibility and maximize the effects of your spray applications. To optimize BioCeres® WP's virulence, it is recommended that you:

- use the compatible products listed by Anatis Bioprotection;
- respect the doses and directions indicated on the product labels; and
- wait at least five days before applying non-compatible pesticides.



Ask your representative before mixing BioCeres® WP with an untested product.

## Fongicides and bactericides

| Commercial name  | Active ingredients                      | Max quantity tested | Compatibility  |
|------------------|---|---------------------|----------------|
| Actinovate SP    | <i>Streptomyces lydicus</i>             | 0,45 g/L            | ● Compatible   |
| Bayleton         | Triadimefon                             | 35 g/L              | ● Incompatible |
| Captec           | Captan                                  | 14 ml/L             | ● Compatible   |
| Cease            | <i>Bacillus subtilis</i> QST 713        | 20 ml/L             | ● Incompatible |
| Confine Extra    | Phosphorous acid                        | 0,1 ml/L            | ● Incompatible |
| Copper fungicide | Copper octanoate                        | 6,7 ml/L            | ● Compatible   |
| Cyclone          | Citric acid, lactic acid                | 80 ml/L             | ● Compatible   |
| Daconil          | Chlorothalonil                          | 6,7 ml/L            | ● Incompatible |
| Disarm           | Fluoxastrobin                           | 0,5 ml/L            | ● Compatible   |
| Double Nickel LC | <i>Bacillus amyloliquefaciens</i> D 747 | 12,5 ml/L           | ● Incompatible |
| Eagle WSP        | Miclobutanil                            | 0,4 ml/L            | ● Moderately   |
| Heritage         | Azoxystrobi                             | 0,5 ml/L            | ● Incompatible |
| Honor Gard       | Propiconazole                           | 3,7 ml/L            | ● Incompatible |

● Compatible: This fungicide/insecticide can be mixed with BioCeres WP.

● Moderately incompatible: If this fungicide/insecticide is mixed with BioCeres WP, the spore action will decrease (30% to 40%)

● Incompatible: We do not recommend mixing this fungicide/insecticide with BioCeres WP. Stagger applications according to the directions on the label.

## Compatibility Tables for Tank Mixes Containing BioCeres®WP (continued)

| Fungicides and bactericides |  |                     |                |
|-----------------------------|--|---------------------|----------------|
| Commercial name             | Active ingredients                             | Max quantity tested | Compatibility  |
| Kocide                      | Copper Hydroxide                               | 49 ml/L             | ● Compatible   |
| Milstop                     | Potassium bicarbonate                          | 4 g/L               | ● Incompatible |
| M-pede                      | Potassium salts of fatty acids                 | 40 ml/L             | ● Compatible   |
| Prestop                     | Spores of <i>Gliocladium catenulatum</i> J1446 | 2,5g/L              | ● Compatible   |
| Procure                     | Triflumizole                                   | 12 g/L              | ● Incompatible |
| Quadris                     | Azoxystrobin                                   | 2,5 ml/L            | ● Incompatible |
| Quintec                     | Quinoxifen                                     | 18 ml/L             | ● Compatible   |
| Ranman                      | Cyazofamid                                     | 0,9 ml/L            | ● Compatible   |
| Rhapsody ASO                | <i>Bacillus subtilis</i> QST 713               | 20 ml/L             | ● Incompatible |
| Subdue                      | Mefenoxam                                      | 0,07 ml/L           | ● Compatible   |
| Triact 70                   | Clarified Hydrophobic Extract of Neem oil      | 20 g/L              | ● Compatible   |

| Insecticides and miticides |  |                     |                |
|----------------------------|--|---------------------|----------------|
| Commercial name            | Active ingredients                       | Max quantity tested | Compatibility  |
| Avid                       | Abamectin                                | 1 ml/L              | ● Compatible   |
| Conserve                   | Spinosyn                                 | 0,6 ml/L            | ● Compatible   |
| Decathlon                  | Cyfluthrin                               | 0,14 g/L            | ● Incompatible |
| Diazino 50 W               | Diazinon 50%                             | 0,003 ml/L          | ● Compatible   |
| Discus                     | Cyfluthrin, Imidacloprid                 | 2 ml/L              | ● Compatible   |
| End-All II                 | Perythrin, potassium salts               | 50 ml/L             | ● Incompatible |
| Entrust                    | Spinosad                                 | 0,15 g/L            | ● Compatible   |
| Floramite                  | Bifenazate                               | 0,6 ml/L            | ● Compatible   |
| Grandevo                   | <i>Chromobacterium subtsugae</i> PRAA1-4 | 3,59 g/L            | ● Moderately   |
| M-pede                     | Potassium salts + fatty acid             | 40 ml/L             | ● Compatible   |
| Malathion 85E              | Malathion                                | 20 ml/L             | ● Incompatible |
| Marathon                   | Imidacloprid                             | 1,64 g/L            | ● Compatible   |
| Merit                      | Imidacloprid                             | 0,05 ml/L           | ● Compatible   |
| Oberon                     | Spiromesifen                             | 6 ml/L              | ● Compatible   |
| Ovation                    | Clofentezine, tetrazine                  | 0,2 ml/L            | ● Compatible   |
| Pedestal                   | Novaluron                                | 2 ml/L              | ● Compatible   |
| Purespray                  | Mineral oil                              | 2ml/L               | ● Compatible   |

● Compatible: This fungicide/insecticide can be mixed with BioCeres WP.

● Moderately incompatible: If this fungicide/insecticide is mixed with BioCeres WP, the spore action will decrease (30% to 40%)

● Incompatible: We do not recommend mixing this fungicide/insecticide with BioCeres WP. Stagger applications according to the directions on the label.



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## Compatibility Tables for Tank Mixes Containing BioCeres®WP (continued)

### Insecticides and miticides

| Commercial name          | Active ingredients   | Max quantity tested | Compatibility  |
|--------------------------|--|---------------------|----------------|
| PyGanic                  | Pyrethrin  | 12 ml/L             | ● Compatible   |
| Safari 20 SG             | Dinotefurane, [N-methyl-N'-nitro-N''- ((tetrahydro-3-furanyl)methyl)guanidine] | 0,6 ml/L            | ● Compatible   |
| Safer's insecticide soap | Potassium salts  | 20 ml/L             | ● Incompatible |
| Savon noir               | Soap   | 15 ml/L             | ● Incompatible |
| Sevin                    | Carabaryl  | 2,5 ml/L            | ● Incompatible |
| Shuttleco                | Acequinocyl  | 4,8 ml/L            | ● Incompatible |
| Sucra Shield             | Sucrose octanoate Esters   | 10 ml/L             | ● Incompatible |
| Suspend                  | Detalmethrin   | 12 ml/L             | ● Compatible   |
| Talstar                  | Bifenthrin   | 7 ml/L              | ● Compatible   |
| Trees and shrubs         | Imidacloprid   | 5 ml/L              | ● Compatible   |
| Triact 70                | Clarified Hydrophobic Extract of Neem Oil                                      | 20 g/L              | ● Compatible   |

### Growth regulators

| Commercial name | Active ingredients | Max quantity tested | Compatibility |
|-----------------|--------------------|---------------------|---------------|
| Progibb 4%      | Gibberellic acid   | 18 ml/L             | ● Compatible  |
| Distance        | Pyriproxufen       | 0,5 ml/L            | ● Compatible  |

### Surfactant and others

| Commercial name        | Active ingredients   | Max quantity tested | Compatibility  |
|------------------------|--|---------------------|----------------|
| Epsom Top (Sels epsom) | Sulfate de magnésium   | 50 g/L              | ● Compatible   |
| Ez-Gro Yucca           | Yucca  | 2 g/L               | ● Incompatible |
| Induce                 | Alkylphénol éthoxylé, alcool éthoxylé, acides gras           | 0,05 ml/L           | ● Compatible   |
| Prosolution            | Humectants à base naturelle                                  | 0,53 ml/L           | ● Moderately   |
| R-11                   | Alkylphénol éthoxylé, alcool butylique, diméthylpolysiloxane | 3,3 ml/L            | ● Incompatible |
| Thiram                 | Thiram ( <i>Tetramethylthiuram disulfide</i> )               | 2,3 ml/L            | ● Incompatible |

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