



ecocarb[®] PLUS FUNGICIDE TANK-MIX COMPATIBILITY



Due to the high pH of ecocarb PLUS Fungicide in solution (> 9), physical compatibility can, on occasion, present an issue when tank mixing with other agrochemicals. The ecocarb PLUS Compatibility Chart (see over) is intended as a guide only. The information is based on laboratory testing of agrochemical combinations to assess the formation any insoluble fractions which would present an issue to filters and nozzles during spraying. A 50 mesh (297 micron) filter was used in this testing procedure. The majority, if not all, of the ecocarb PLUS incompatibilities may be resolved through the addition of MaxiBuff Organic.

Always ensure each individual product is fully dissolved before adding in other products. Do not pre-mix any product active concentrate ingredients together unless directed to by the label. Ensure that all ecocarb PLUS label instructions are followed. Organic Crop Protectants gives no warranty or accepts no liability in respect to compatibilities that are beyond the registered label. This additional information is for guidance purposes only and its use is at the grower's risk. If a product or active is unlisted or you are unsure then please contact the supplier directly to obtain relevant information before mixing. Organic Crop Protectants cannot warrant the efficacy or crop safety of other tank-mix partners and only have data on physical compatibility, so growers use these mixes at their own risk. Do not use any tank-mix if the mixture cannot be applied within the label recommendations for individual products or if specific tank-mix restrictions apply.

Compatibility Testing

It is recommended that a jar test is conducted for any chemical tank-mixed with ecocarb PLUS, even those stated as compatible in the attached ecocarb PLUS Compatibility Chart. To do so, mix the products in a jar at the same ratio you would be mixing them in the spray tank. Do not mix as concentrates without water. Shake jar and then look for signs of flocculation or precipitation. Store for at least two hours and look again for incompatibilities. Some settling may occur but look to see if it resuspends normally. Remember that this is a test for chemical formulation compatibility, not a test for efficacy or phytotoxicity.

Resolving Incompatibilities with MAXI-BUFF™ Organic

Maxi-Buff Organic is an organically-certified water conditioning agent ideal for correcting spray alkalinity to the optimum pH. Maxi-Buff Organic has been demonstrated to be effective in resolving a range of ecocarb PLUS tank-mix incompatibilities by greatly reducing the formation of insoluble compounds. Once a potential incompatibility has been identified, either through use of the ecocarb PLUS Compatibility Chart or a jar test, it is recommended that Maxi-Buff Organic be used and its effectiveness confirmed with a jar test.

1. Add ecocarb PLUS to a jar or spray tank at the label rate and dissolve fully using agitation
2. Measure the pH of the resultant solution.
3. Add sufficient Maxi-Buff Organic to reduce the pH to 8.3 (or close to)
4. Add remaining components to a jar or spray tank one at a time, ensuring each is fully dissolved before the subsequent addition.
5. Assess jar (as per 'Compatibility Testing' above) or tank & filters periodically for any insoluble residue





ecocarb® PLUS COMPATIBILITY CHART

Product	Active	Compatible with ecocarb PLUS?	Incompatibility Resolved with MaxiBuff Organic?
Bayfidan 250 EC Fungicide	250 g/L triadimenol	Yes	N/A
Copperguard Copper Fungicide	93 g/L Cu as Cu NH4 complex	Yes – except in combination with sulfur	Yes (for sulfur combination)
Digger Fungicide	250 g/L difenoconazole	Yes	N/A
Flute 50 EW Fungicide	50 g/L cyflufenamid	Yes	N/A
Kocide Opti Fungicide	300 g/kg Cu as cupric hydroxide	Yes – except in combination with sulfur	Yes (for sulfur combination)
KUSABI 300 SC	300 g/L pyriofenone	Yes	N/A
Legend Fungicide	250 g/L quinoxyfen	No	Yes
Mycloss Xtra	200 g/L myclobutanil	Yes	N/A
Prolectus Fungicide	400 g/L fenpyrazamine	Marginal - may produce insoluble residue	Yes
Prosper 500 EC Fungicide	500 g/L spiroxamine	Yes	N/A
Revus Fungicide	250 g/L mandipropamid	No - may produce insoluble residue	Yes
Rutec Sulfur Fungicide & Miticide	800 g/L sulfur	Yes – except in combination with copper	Yes (for copper combination)
Switch Fungicide	250 g/kg fludioxonil 375 g/kg cyprodinil	Yes	N/A
Topas 100 EC Systemic Fungicide	100 g/L penconazole	Yes	N/A
UniShield 800 DF	800 g/kg sulfur	Yes – except in combination with copper	Yes (for copper combination)
Vivando Fungicide	500 g/L metrafenone	Yes	N/A
Zampro Fungicide	225 g/L dimethomorph 300 g/L ametoctradin	Yes	N/A

Note: The information in the above table is for guidance purposes only and should be read in conjunction with the detailed advice and conditions outlined on the previous page of this document.

