



Eco-Carb Compatibility information

DUE TO THE FACT THAT THE pH of ECO-CARB IN ITS NATURAL STATE IS = 8.5 ALKALINE, & high, the nature of its compatibility is of great importance especially when tank mixing with other agricultural products.

The overall pH of the final solution will be dependant of the pH and quality of the water it is mixed in. And thus is the responsibility of the user to test the pH prior to use to deem it acceptable. All Eco-Carb product label instructions must be followed.

The following compatibility chart for Eco-Carb is to be used as a guide only. The information is based on product pH values and its susceptibility to alkaline hydrolysis, according to the supplier's product information where available. If unlisted or unsure then please contact the supplier directly to obtain relevant information before mixing.

Always fully dissolve or pre-mix each individual product before mixing with other products.

DO NOT pre-mix any product active concentrate ingredients together unless directed to by the label.

FUNGICIDES

Trade Name	Active Ingredient	Group pre 2009	Group from 2009	Compatibility	Comments – JAR TEST ALL FIRST Do not leave in tank over night
Agri-Fos -600	Phosphorous Acid	Y	33	YES	
Amistar	Azoxystrobin	K	11	Yes	Half life 12 days at pH 9
Bravo	Chlorothalonil	Y	M5	Yes	
Triadimefon	Triadimefon		3	YES	Stable over wide range of pH
Cabrio	Pyraclostrobin	K	11	YES	
Captan	Captan	Y	M4	NO	Unstable at pH>7 Avoid Oils
Delan	Dithianon	Y	M9	NO	pH 4.9 avoid contact with high pH products
Dithane	Mancozeb	Y	M3	YES Not ideal	Most stable pH 5-6, Unstable at 7, 17hrs half-life Better at pH 8-9, Half-life 34hrs .
Filan	Boscalid	G	7	YES	Stable pH 4-9
Flint	Trifloxystrobin	K	11	YES	
Hex	Hexaconazole	C	3	NO	Avoid strong Acid or Alkaline material
Kocide	Copper Hydroxide	Y	M1	YES	Follow mix instructions carefully.
Legend	Quinoxifen	M	13	YES	
Mycloss Xtra	Myclobutanil	C	3	YES	
OCP Protector	Potassium Fatty Acid	-	2	YES	
Oxydul DF	Copper Oxychloride	Y	M1	YES	Check copper brand but most are high pH.
Nustar	Flusilazole	C	3	YES	
Peratec	Hydrogen Peroxide + peroxyacetic acid	Y + Y	M + M	NO	pH =1
Polyram	Metiram	Y	M3	NO	
Prosper	Spiroxamine	E	5	YES	Slow degradation pH>9
Revus	Mandipropamid		40	YES	Stable at pH 5-9
Rubigan	Fenarimol	C	3	YES	Photodegrades rapidly
Rovral	Iprodione	B	2	NO	pH of 5.5 to 7.0 is optimum
Ridomil Gold Plus	Metalaxyl + Cu Hyd	D+Y	4 + M1	YES	
Shirlan	Fluazinam	Y	29	YES	Stable pH 7 to 9
Sumislex	Procymidone	B	2	Yes	pH 8 at 1%.
Switch	Cyprodinil +fludioxonil	I + L	9+12	Yes	pH 9.3 at 1%.
Scala	Pyrimethanil	I	9	Yes	pH 8.1 at 1%.
Thiram	Thiram	Y	M3	Yes	Stable to pH 9
Teldor	Fenhexamid	J	17	Yes	Stable pH 5-9
Topas	Penconazole	C	3	YES	Use in 12-16 hrs
Thiovit Jet	Sulphur	Y	M2	YES	
Vivando	Metrafenone		U8	YES	pH value of 5.5-9 undiluted (no other data)

INSECTICIDES

Trade Name	Active Ingredient	Activity Group from 2009	Compatibility	Comments
Gusathion	Azinphos-methyl	1B	NO	
Delfin	Bacillus Thuringiensis	11C	NO	
Dipel DF	Bacillus Thuringiensis	11C	NO	
Talstar	Bifenthrin	3A	NO	
Bugmaster	Carbaryl	1A	YES	Use in 1-3 days
Roger	Dimethoate	1B	NO	
Maldison	Malathion	1B	NO	
Mesurool	Methiocarb	1A	NO	
Confidor	Imidacloprid		YES	
Entrust/Success	Spinosad	5A	YES	
AzaMax	Azadirachtin		NO	
Sumi-Alpha Flex	Esfenvalerate	3A	yes	
Pyganic	Pyrethrum	3A	NO	Keep in pH 5-7.

Others

Trade Name	Active Ingredient	Group	Compatibility	Comments
ProGibb	Gibberellic Acid	n/a	NO	
Acadian	Seaweed Extract	n/a	YES	
Aminogro	Amino Acids	n/a	YES	
Synertril Horti-Oil	Vegetable oil	n/a	Yes	

Jar Testing

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, preferably over night and look again for incompatibilities. Some settling may occur but look to see if it resuspends normally. REMEMBER: This is a test for chemical formulation compatibility, not biological (antagonism) or product efficacy test

NOTE: The above information is to be used as a guide only and as accurate as possible. The potential benefits from using this product were developed with reference to independent trials conducted both in Australia and overseas hence individual results may differ due to variations in soil type, soil moisture content, canopy design, weather conditions, plant variety, greenhouse structure and type of spray equipment being used. It is always best practice to conduct your own small scale independent evaluation of these products before applying them to the entire crop. If you wish for further advice as to the benefits of this program to your particular growing situation please make contact with OCP Toll Free: 1800 634 204