

TRACE ELEMENT PHYSICAL COMPATIBILITY CHART

	ACTIVE INGREDIENT	ZINC SULPH ATE	COPPER SULPHATE	MANGANESE SULPHATE
HERBICIDES				
2-4 D Amine		N/C	N/C	N/C
Achieve	Tralkoxydim	+	+	+
Affinity		+	+	+
Ally, Lynx	Metsulfuron	+	+	+
Atrazine	Atrazine	+	+	+
Avadex BW	Triallate	+	+	+
Basagran		+	+	+
Basta		+	+	+
Bladex		+	+	+
Brodal		+	+	+
Bromoxonyl/MCPA	Bromoxonyl/MCPA	+	+	+
Cadence	Dicamba	+	+	+
Combine		+	+	+
Diurex	Diuron	+	+	+
Dual Gold	S-metolachlor	+	+	+
Eclipse	Metosulam	+	+	+
Ester 800	2,4-D ester	+	+	+
Fusilade	Atazine	+	+	+
Fusion	Fluazifop	+	+	+
Glyphosate CT	Glyphosate	N/C	N/C	N/C
Hoegrass, Nugrass, **	Diclofop methyl	+	+	+
Hussar	Iodosulfuron-methyl sodium	+	+	+
Igran	Terbutryne	+	+	+
Jaguar	Bromoxynil/diflufenican	+	+	+
Leopard Targa	Quizalofop-p-ethyl	+	+	+
Lontrel, Victory	Clopyralid	+	+	+
Low Volatile Ester		+	+	+
LVE MCPA	MCPA ester	+	+	+
MCPA Amine		+	+	+
Monza	Sulfosulfuron	+	+	+
Paraquat	Paraquat	+	+	+
Raptor		+	+	+
Rhino **	Diclofop methyl	+	+	+
Select	Clethodim	+	+	+
Sencor	Metribuzin	+	+	+
Sertin		+	+	+
Spinnaker		+	+	+
Spray Seed	Paraquat/Diquat	+	+	+
Starane		+	+	+
Stomp	Pendimethalin	+	+	+
Tackle, Glean	Chlorsulfuron	+	+	+
Tigrex	MCPA ester/diflufenican	+	+	+

Topik		+	+	+
Tordan		+	+	+
Treflan	Trifluralin	+	+	+
Trifluralin		+	+	+
Tristar Advance		+	+	+
Verdict	Haloxypop	+	+	+
Wildcat		+	+	+
Yield		+	+	+
FUNGICIDES				
Amistar		+	+	+
Biobit		+	+	+
Bumper	Propiconazole	+	+	+
Carbendizm		+	+	+
Copper Oxychloride		+	+	+
Elect 720		+	+	+
Kocide		+	+	+
Mancozeb/Dithane		+	+	+
Nustar		+	+	+
Orius	Tebuconazole	+	+	+
Score		+	+	+
Topas		+	+	+
Triad	Triadimefon	+	+	+
Wettable Sulfur	Sulfur	+	+	+
INSECTICIDES				
Affirm		+	+	+
Alpha Scud 100 EC		+	+	+
Confidor		+	+	+
Decis		+	+	+
Deltamethrin		+	+	+
Dimethoate		+	+	+
Endosulfan		+	+	+
Karate Zeon		+	+	+
Lemat		+	+	+
Lorsban,Strikeout	Chlorpyrifos	+	+	+
MVP2		+	+	+
Proclaim		+	+	+
Success		+	+	+
Thiram		+	+	+

+ Appears to be compatible

N/C Not compatible

** Crop scorch may occur when Diclop-methyl based products are applied with spraying oils and trace elements.

The liquid sulphate solutions manufactured by Wilchem can be combined in tank mixes with a range of commonly used plant protection products. It should not be assumed that every product is compatible with every other fertilizer or chemical. If there is any doubt about the proposed mixture then a simple jar test should be done as a precaution.

NOTE

This chart is a guide to the physical compatibility of the Wilchem trace element sulphate solutions with a range of agricultural chemicals. We cannot guarantee the chemical compatibility of two or more products when mixed together. Many herbicides, insecticides and fungicides are produced by more than one manufacturer. The concentration of active ingredients, solvents and emulsifiers and other adjuvants may vary between manufacturers. There may also be changes from year to year by the same manufacturer. It is important that jar testing be done first to ensure compatibility.

Use the following steps in doing a jar test.

1. Pour the correct ratio of water to be used per hectare into a clean glass graduated jar.
2. Add each intended fertilizer or chemical to the water. Always start by adding the least soluble products first (such as the powders, granules and suspensions) and the ending with the clear aqueous solutions.
3. If there is any immediate visual reaction, do not proceed with the mixture. These reactions may result in some precipitation, a curdling of the mixture or even resulting in mixture heating and bubbling. If no visual reactions occur then the mixture is generally regarded as physically compatible.
4. The appearance of physical compatibility is not a guarantee that the mixture is chemically compatible and that it is therefore safe to apply to foliage. Therefore it is recommended that a small trial area be sprayed and observed for 24 hours before spraying a larger area.

Always ensure that the trace element solution is added last to the tank mix and agitation is continued.

It is advisable to spray a small test area and observed before treating the whole crop.