

# SIGNATURE AMINO ACID CHELATES PHYSICAL COMPATIBILITY CHART



Active Constituent	Compatibility	Active Constituent	Compatibility
<b>HERBICIDES</b>		<b>HERBICIDES</b>	
2,4 -DB Amine	N/C	Lodosulfuron-methyl sodium	✓
2,4-D Amine 625	N/C*	MCPA / ester/diflufenican	✓
2,4-D Amine 700	N/C*	MCPA Amine	✓**
2,4-D Low Volatile Ester	✓	MCPA LV Ester	✓
Atrazine	✓	Methabenzthiazuron	✓
Bentazone	✓	Metolachlor	✓
Bentazone	✓	Metosulam	✓
Bromoxonyl/MCPA	✓	Metribuzin	✓
Bromoxynil + MCPA	✓	Metsulfuron Methyl	✓
Carfentrazone-ethyl	✓	Oxyfluorfen	✓
Chlorsulfuron	✓	Paraquat	✓
Clethodim	✓	Paraquat + Diquat	✓
Clodinafop-Propargyl	✓	Pendimethalin	✓
Clodinafop-Propargyl	✓	Propaquizafop	✓
Clopyralid	✓	Pyrasulfotole + bromoxynil	✓
Cyanazine	✓	Pyroxsulam + Cloquintocet-mexyl	✓
Dicamba	✓	Quizalofop-P-Ethyl	✓
Dicamba + MCPA	✓	Sethoxydim	✓
Diclofop methyl	✓	S-metolachlor	✓
Diclofop methyl	✓	Sulfosulfuron	✓
Diclofop-methyl	✓	Terbutryn	✓
Diflufenican	✓	Tralkoxydim	✓
Diflufenican + Bromoxynil	✓	Triallate	✓
Diflufenican + MCPA	✓	Triasulfuron	✓
Diuron	✓	Triclopyr	✓
Ethylhexyl Ester	✓	Trifluralin	✓
Fluaziflof	✓	<b>INSECTICIDES</b>	
Flumetsulam	✓	Alpha-Cypermethrin	✓
Fluometuron	✓	Chlorpyrifos	✓
Fluometuron + Prometryn	✓	Deltamethrin	✓
Fluroxypyr	✓	Dimethoate	✓
Fluroxypyr	✓	Emamectin	✓
Glufosinate-ammonium	✓	Emamectin	✓
Glyphosate	N/C	Imidacloprid	✓
Haloxypfop	✓	Imidacloprid	✓
Imazamox	✓	Lambda-Cyhalothrin	✓
Imazethapyr	✓	Omethoate	✓
Imazethapyr	✓		
Linuron	✓		

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Active Constituent	Compatibility	Active Constituent	Compatibility
<b>ADJUVANTS/WETTERS/OTHER</b>		<b>FUNGICIDES</b>	
Alcohol Alkoxylate	✓	Difenoconazole	✓
Mineral Oil	✓	Epoxiconazole	✓
Propionic Acid	✓	Flusilazole	✓
Soyal Phospholipids	✓	Flutriafol	✓***
<b>FUNGICIDES</b>		Mancozeb	✓
Azoxystrobin	✓	Metalaxyl + Copper Oxychloride	✓
Azoxystrobin	✓	Penconazole	✓
Carbendazim	✓	Propiconazole	✓
Carbendizim	✓	Sulfur	✓
Chlorothalonil	✓	Tebuconazole	✓
Copper Hydroxide	✓	Triadimefon	✓
Difenoconazole	✓	Triadimenol + Cypermethrin	✓

✓ Appears to be compatible

N/C Not compatible

\* 2-4D Amine is currently undergoing further testing to establish compatibility with Signature products

\*\* MCPA Amine is compatible with Signature ZMC and Copper but is N/C with Signature Zinc

\*\*\* Flutriafol tank mixes require constant agitation to maintain in suspension, addition of trace elements may exacerbate sediment formation depending on the formulation of Flutriafol

The liquid 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 fertiliser or chemical. If there is any doubt about the proposed mixture then a simple jar test should be done as a precaution.

## IMPORTANT

The above compatibility chart is a guide to the physical compatibility of the Wilchem micronutrient 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 to do 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 safe to apply to foliage.

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

It is recommended that a small trial area be sprayed and observed for 24 hours before spraying a larger area.

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