

Compatibility Guidelines for Mixing TwinN & Other Agricultural Compounds During Application

GENERAL INFORMATION

- ◆ TwinN microbes are resilient to most stresses once they have entered the plant and root zone. However, during application in the mixing tank or applicator, they may be exposed for several hours to other agricultural compounds that the producer wishes to co-apply. The effects of the exposure to these compounds when in the application tank can reduce viability of the TwinN microbes.
- ◆ If the agricultural compound you wish to use is listed as incompatible with TwinN, do not attempt to co-apply. Instead, apply TwinN to the crop and allow a minimum of 24 hours to pass before applying the second compound.
- ◆ If TwinN is applied to the roots, for example by fertigation, then it is safe to apply any other agricultural compounds to the foliage even if they are listed as incompatible in the table below.

TWINN SPRAY TANK COMPATIBILITY TABLES

BIOLOGICAL FERTILISERS

Product	Active Ingredients	Rate/100L Water	Compatible	Incompatible
Huma-Tech Fulvic 1400	70% fulvic acid	200g	✓	
Huma-Tech Liquid Humus	12% humic acid	500ml	✓	
Nutri-Kelp Powder	Kelp powder	100g	✓	
Seasol	Liquid seaweed concentrate	4L	✓	
Sugar	Sugar	200g	✓	

SYNTHETIC FERTILISERS AND TRACE ELEMENTS

Product	Active Ingredients	Rate/100L Water	Compatible	Incompatible
Big Red	75% copper oxide	375ml		✗
Borax	11.3% sodium borate	500g		✗
Copper Chelate	14% CuEDTA	150g	✓	
Easy N	42.5%N (w/v)	25L		✗
Magnesium sulfate	Same (Epsom salts)	4kg		✗
Mono-potassium phosphate	29% K, 23% P	6.6kg	✓	
Triple Ten (NPK hotmix)	NPK (10-10-10)	1L		✗
Potassium silicate	Si 17.2%, P 13.5%	2L		✗
Supa bor	8.3% boric acid, 1.7% ammonium borate	300ml	✓	
Urea	46% N	20kg		✗
Zinc Chelate	14% ZnEDTA	500g	✓	

Important Notes

1. If the product that you want to co-apply is not listed here, then consult your TwinN distributor. Meanwhile, presume it is not compatible.
2. The products were tested at the concentrations listed in the table. Higher application rates, different formulations, or other factors may result in incompatibility.
3. Different brand names with the same active constituents may have the same compatibility, however, the varying solvents or carriers may result in incompatibility.

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HERBICIDES

Product	Active Ingredients (g/L unless noted)	Rate/100L Water	Compatible	Incompatible
Amicide 2,4-D	625 2,4-D	400ml		X
Broadside	280 MCPA, 140 bromoxynil, 40 dicamba	4L		X
Bromicide 200	200 bromoxynil	300ml		X
Diurex	900g/kg diuron	2kg		X
Gesaprim	600 atrazine	5L		X
Glyphosate	100 glyphosate as Isopropylamine salt	1L		X
Reglone	200 diquat	4L		X
Kamba MCPA	340 MCPA, 80 dicamba	470ml		X
Starane	333 fluroxypyr	900ml		X
Sprayseed 250	135 paraquat, 115 diquat	3.2L		X
Basta	200 glufosinate-ammonium	5L		X
Brush-Off	600 triclopyr	160g		X
Simazine	90% simazine	120g		X

INSECTICIDES AND FUNGICIDES

Product	Active Ingredients	Rate/100L Water	Compatible	Incompatible
Dimethoate	400g/L dimethoate	75ml		X
Insectagone	10g/L deltamethrin	1L		X
Lorsban	500g/L chlorpyrifos	500ml		X
Pyrethrum SF	2.2% pyrethrum, 12.5 piperonyl butoxide	100ml		X
Bravo	700g/L chlorothalonil	210ml		X
Captan	900g/kg captan	180g		X
Shirtan	120g/L mercury	125ml		X
Endosulfan 350EC	305g/L endosulfan	2L		X
Confidor	200g/L imidacloprid	60ml		X
Labaycid	550g/L fenthion	150ml		X
Applaud	440g/L buprofezin	60ml		X

SURFACTANTS, ADJUVANTS AND PLANT GROWTH REGULATORS

Product	Active Ingredients (g/L unless noted)	Rate/100L Water	Compatible	Incompatible
Spreadmax	370 nonyl phenol	40ml	✓	
Pulse Penetrant	1020 polyether modified polysiloxane	30ml	✓	
Cloak Spray Oil	Canola oil / liquid fish	200ml	✓	
Wetter 600	600 nonyl phenol ethylene oxide	200ml	✓	
ProGibb	100 gibberellic acid	30ml		X

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