

Water for Profit

Fertigation compatibility table

fertilisers that can and cannot be mixed in the same fertigation tank



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	Urea	Ammonium nitrate	Ammonium sulphate	MAP	MKP	Potassium nitrate	Potassium sulphate	Potassium chloride	Calcium nitrate	Mag sulphate	Soluble boron
Urea		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonium nitrate	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonium sulphate	✓	✓		✓	✓	✓	✓	✓	X	✓	✓
Mono-ammonium phosphate MAP	✓	✓	✓		✓	✓	✓	✓	X	X	✓
Mono-potassium phosphate MKP	✓	✓	✓	✓		✓	✓	✓	X	X	✓
Potassium nitrate	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Potassium sulphate	✓	✓	✓	✓	✓	✓		✓	X	✓	✓
Potassium chloride	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Calcium nitrate	✓	✓	X	X	X	✓	X	✓		X	X
Magnesium sulphate	✓	✓	✓	X	X	✓	✓	✓	X		X
Soluble boron	✓	✓	✓	✓	✓	✓	✓	✓	X	X	

* The information in the above table has been adapted from Incitec Pivot Limited and is gratefully acknowledged. For a full copy of the Incitec Pivot fertigation guide visit www.growcom.com.au or contact Incitec Pivot.

✓ = compatible

X = incompatible (precipitate will form)

The above table is *not* an exhaustive list of soluble fertilisers. If the fertiliser you have is not listed above, and you are unsure whether the fertiliser can be mixed with others, it would be best to contact your local Water for Profit officer or fertigate with the product on its own.



Queensland
Government
Natural Resources
and Water



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Fertigation solubility table

Fertiliser name	Maximum solubility in 100 L of water*
Urea	105 Kg
Ammonium nitrate	192 Kg
Ammonium sulphate	75 Kg
Mono-ammonium phosphate MAP	37 Kg
Mono-potassium phosphate MKP	23 Kg
Potassium chloride	34 Kg
Potassium nitrate	32 Kg
Potassium sulphate	11 Kg
Calcium nitrate	129 Kg
Magnesium sulphate	71 Kg
Soluble boron	9.5 Kg
Zinc sulphate	44 Kg

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The table above shows the solubility of different fertilisers when the water temperature in the tank is approx 200 C. The solubility of fertiliser is dependant on the temperature of the water in the fertigation tank; fertiliser is less soluble at lower water temperatures and more soluble at higher water temperatures.

The information offered in these tables is a guide and it is recommended growers seek further information about fertigation workshops being held in their areas or contact your nearest Growcom Water for Profit Field Officer. Call Growcom on 07 3620 3844.