

# Water for Profit

## FERTIGATION COMPATIBILITY AND SOLUBILITY



**Table 1. Fertigation Compatibility Table: Fertilisers that can and cannot be mixed in the same fertigation tank**

	Urea	Ammonium nitrate	Ammonium sulphate	Mono-ammonium phosphate MAP	Mono-potassium phosphate MKP	Potassium nitrate	Potassium sulphate	Potassium chloride	Calcium nitrate	Magnesium sulphate	Soluble boron
Urea	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
Ammonium nitrate	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
Ammonium sulphate	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Mono-ammonium phosphate MAP	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Mono-potassium phosphate MKP	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Potassium nitrate	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Potassium sulphate	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Potassium chloride	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Compatible
Calcium nitrate	Compatible	Compatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible
Magnesium sulphate	Compatible	Compatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible	Incompatible
Soluble boron	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Incompatible	Incompatible	Incompatible

■ Compatible      ■ Incompatible

The information in the table above has been adapted from Incitec Pivot Limited and is gratefully acknowledged. The above table is not an exhaustive list of soluble fertilisers. If the fertiliser you have is not listed above contact your local Water for Profit officer or alternatively fertigate with the product on its own.

**Table 2. Fertiliser Solubility Table**

Product	Solubility (kg/100 L @ 20°C)	Product	Solubility (kg/100 L @ 20°C)
Ammonium nitrate	192	Calcium nitrate	60
Ammonium sulphate	75	Magnesium sulphate	71
Mono-ammonium phosphate MAP	37	Soluble boron	9.5
Mono-potassium phosphate MKP	12	Zinc sulphate	44
Potassium chloride	34	Liquifert N (Urea)	25
Potassium nitrate	8	Liquifert P (Tech MAP)	20
Potassium sulphate	10	Liquifert K (KCl)	20
Urea		45 (water temperature 5° C)	

Note: 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 assistance when dealing with specific fertiliser mixes and blends.

For more details contact Growcom on 07 3620 3844.

Disclaimer: This information is provided as a reference tool only. Seek professional advice for irrigation specifics.

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