



Liquid nutrition at its best

FoliMAX Vigor-K 0-0-30

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FoliMAX Vigor-K

FoliMAX Vigor-K is a chloride free, high potassium citrate/carbonate complex formulation, designed for maximum nutrient uptake into the plant. FoliMAX Vigor-K contains a high potassium analysis (30%) for correction of K deficiencies in turf and landscape plants. Vigor-K is a useful product for use in autumn for conditioning the plant prior to the onset of winter. FoliMAX Vigor-K is tank mix flexible with most soluble and liquid fertilisers and is ideal for use in combination with FoliMAX N-hancer-N to obtain a desired nitrogen and potassium output.

FoliMAX Vigor-K offers you a reliable and robust high potassium fertiliser that will become an integral part of your turf liquid nutrition program.

The FoliMAX Vigor-K guaranteed minimum analysis-Wt/Vol;

Total potassium (K) as citrate/carbonate complex-30.0%.

The FoliMAX Vigor-K product characteristics

pH: 8.5–9.0

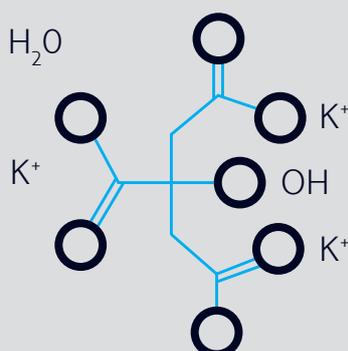
Specific Gravity: 1.1

Appearance: Clear to opaque, slight odour.

Key benefits of FoliMAX Vigor-K

- Turf specific fertiliser, researched and developed for turf and landscape purposes.
- Dual forms of potassium, maximises nutrient availability via both the foliage and soil.
- Carbonate form of potassium for improved disease resistance and uptake via the root system.
- Organic citrate form of potassium for rapid foliar uptake and assimilation.
- Non-chloride, non-sulphate potassium formulation.
- Very low risk of phytotoxicity due to its low salt index, even on immature turf.
- Excellent tank mix versatility. Highly compatible with many other fertilisers and chemicals.
- Excellent flexibility in application rates, allowing you to better optimise your nutrition program.
- Non-corrosive formulation. Will not damage spray equipment.

The potassium citrate/carbonate complex explained



Potassium citrate molecule



Potassium carbonate molecule

The potassium in FoliMAX Vigor-K is present as a citrate/carbonate complex. Having dual forms of potassium optimises availability of the nutrient, both via the leaf and the soil. The potassium citrate component provides a citrate molecule which is found in all plants, and this form of potassium is immediately recognised and assimilated by the plant maximising leaf uptake. The potassium carbonate form is ideal for plant uptake in the soil environment and also has the additional benefits of enhancing disease resistance properties within the turfgrass plant.

FoliMAX Vigor-K : Low salt index of potassium sources

Higher salt index fertilisers have a greater potential to cause foliar burn. The lower the salt index, the lower the potential for phytotoxicity. Both potassium carbonate and potassium citrate have very low salt index and as a result, FoliMAX NRG-NK has a very low potential for foliar burn after application.

Product	Salt Index
Potassium chloride	120.1
Potassium sulphate	42.6
Potassium thiosulphate	68.0
Potassium nitrate	69.5
Potassium carbonate	<20
Potassium citrate	<10

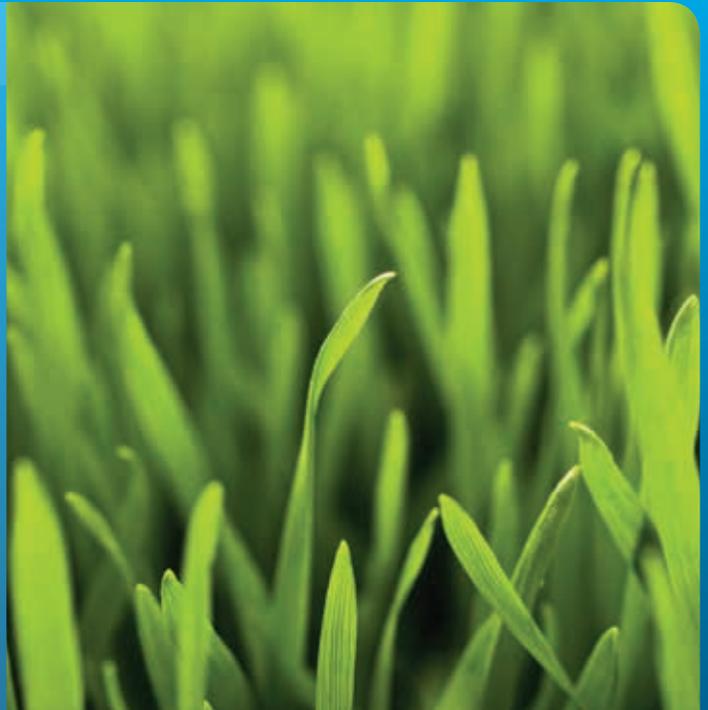




The importance of potassium in turf management

Turf grasses require potassium in relatively large amounts, second only to nitrogen. Potassium is referred to as the turf 'toughener' and its main purpose is to improve stress tolerance within the plant. It is an ideal element to be used in conjunction with nitrogen, as while N produces cell growth, potassium strengthens the walls of the cell, hardening it to stresses such as disease and pest infestation. Potassium is also important for many plant processes and it performs the following functions within the plant:

1. **Regulation of the opening and closing of the stomata, which effectively improves heat and drought tolerance.**
2. **Production of proteins and carbohydrates. Potassium also assists in moving these compounds throughout the plant. This becomes very important for winter survival and recovery.**
3. **Controls uptake of certain nutrients.**
4. **Increases root development, enhancing greater branching of the root system. This contributes to improved drought and wear tolerance.**



FLEXIBILITY IN APPLICATION RATES WITH FoliMAX Vigor-K

Apply as a spray application during the growing season on all turf grasses and most landscape plants. Dilute with water, using the desired nitrogen rate per 100m² according to the application rate chart. Apply in sufficient water to achieve adequate plant coverage. Use a water volume of 5-15L per 100m², depending on the application rate. Avoid mowing for 24 hours following an application.

APPLICATION RATE CHART		
K Kg/100m ²	mL/100m ²	L/ha
0.06	200	20
0.075	250	25
0.12	400	40
0.15	500	50

MIXING PROCEDURE AND COMPATIBILITY WITH FoliMAX Vigor-K

Fill spray vessel with half the required volume of water. Shake container of Vigor-K and add required amount to spray tank while agitating. Add remaining water to the spray tank. Continue agitating during application.

Wash out spray tank, including nozzles, immediately after use. This product is alkaline and may cause alkaline hydrolysis of some pesticides, reducing their effectiveness.

The spray solution should be buffered before mixing with susceptible products. Some bubbling and emission of carbon dioxide may occur if this product is mixed with acidic fertilisers (such as sulphates). This will not impact on the product's effectiveness. If bubbling occurs when mixing with a pesticide or other chemicals, the mixture is not compatible and should not be used.

OTHER KEY PRODUCTS IN THE FoliMAX RANGE

FoliMAX N-hancer-N 35-0-0

A clear liquid fertiliser solution containing 70% controlled release nitrogen as SRN-IQ Technology, specifically developed for use in turf and landscape situations.



FoliMAX NRG-NK 19-0-13+Fe

A nitrogen and potassium fertiliser solution containing nitrogen in the unique form of SRN-IQ, and the chloride free potassium source, potassium citrate/carbonate complex. The blend also contains Iron for improved green-up and turf vigour.





FOR MORE INFORMATION ON FoliMAX Vigor-K, CONTACT YOUR LOCAL TERRITORY MANAGER OR CALL 1800 631 008.

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