

K-FORTETM**0-5-20**Buffered Foliar Potassium
& Phosphorous Product**GUARANTEED ANALYSIS**Total Product
Basis %/w/v

Total Nitrogen (N)	0.0
Total Phosphorous (P)	5.0
Total Potassium (K)	20.0

0.17% W/V Humic acids present as potassium humate.

GENERAL INFORMATION

At times of stress, before flowering, and peak fruit/crop growth, the need for Potassium and Phosphorus increases. Most crops suffer from Potassium and Phosphorous deficiencies during these stages despite high soil levels.

Foliar applications become the only feasible approach to bypass the soil's "lockup". The choice of the foliar material, their formulation, timing, and rate of application are essential for a proper response.

K-Forte contains both Potassium and Phosphorus in a ratio that is similar to that in plants. Both Potassium and Phosphorus are essential especially during early and later stages of crop development

ADVANTAGES & BENEFITS

K-Forte is a true solution of totally soluble constituents and not a solid suspension.

K-Forte combats Potassium and Phosphorus deficiencies in a very prompt and quick way, when time does not allow for slow soil treatments,

K-Forte is nitrogen free. Its application will not favour high Nitrogen levels at the end of the season, a factor normally associated with fruit softness and continued vegetative vigour and low tendency for ripening,

K-Forte brings out the colour, size, flavour, and higher Baume levels (higher sugar content) hence premium quality wine.

K-Forte aids sugar accumulation in grapes and fruit when applied at or the onset of ripening, and then two weeks before harvest.

K-Forte unique formulation, **does not affect the pH of wine making.**

K-Forte has been analytically **PROVEN** to increase colour and wine quality.

K-Forte helps winter growth especially in lower than expected temperatures as well as inadequately heated green houses when crops are stunted

K-Forte seems to not affect blooming of table grapes if sprayed properly on foliage rather than targeting the bunches.

COMPATIBILITY

Always run a compatibility test before spraying **K-Forte** with other chemicals.

K-Forte is compatible with almost all fungicides and insecticides.

K-Forte is **INCOMPATIBLE** with trace elements, Magnesium and Calcium foliar nutrients.

PLANT and ENVIRONMENTAL SAFETY

K-Forte is totally harmless to plants even when recommended rates are exceeded. Exceeding recommended rates is however unnecessary.

K-Forte is totally harmless to both humans and wildlife and is environmentally friendly.

IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY**ROOTS SHOOTS & FRUITS Ltd**

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APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 st application 2 nd application	Onset of ripening 2-3 weeks before harvest	8 — 10 L/ha 8 — 10 L/ha
GRAPES (TABLEGRAPES, &DRIED FRUIT)	1 st application 2 nd application	Onset of ripening (veraison) 2-3 weeks before harvest	8 — 12 L/ha 8 — 12 L/ha
WINEGRAPES	1 st application 2 nd application	Onset of ripening (veraison) 2-3 weeks before harvest	8 — 12 L/ha 8 — 12 L/ha
KIWI GOLD and HAYWARD	1 st application 2 nd application	Onset of ripening 2-3 weeks before harvest	8 — 12 L/ha 8 — 12 L/ha
STONE FRUIT & CHERRIES	1 st application 2 nd application	Onset of ripening 2-3 weeks before harvest	8 — 10 L/ha 8 — 10 L/ha
STRAWBERRY & ALL BERRY CROPS	3-4 applications	Beginning before flowering and repeat every month or as needed	6 — 10 L/ha
TOMATO, CAPSICUM and other VEGETABLE CROPS	3-4 applications	Beginning before flowering and repeat every month or as needed	6 — 10 L/ha

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at www.rd2.co.nz



It is always advisable that a leaf sample be taken before applying fertilisers to best ascertain the levels of elements and the nutrient requirements of the crop.

Analytical Trials on K-Forte

Independent analyses performed by the Eastern Institute of Technology have dispelled many of the myths surrounding **K-Forte** with regards to its potassium content and the effects that this potassium may have on wine grapes. The trial proved that **K-Forte** had no negative effects on pH, TA and phenolic aspects of wine quality with results showing no significant differences between the trial and control wines. The trial proved there was no appreciable difference between the control and **K-Forte** trial wines produced in each of the two microvinifications and hence no adverse effects of **K-Forte** with regard to alcohol conversion, residual sugar, pH, titratable acidity and volatile acidity.

K-Forte was also successful in increasing wine colour with both Trial Merlot wines having higher wine density readings than the control wines. **K-Forte** also increased Brix significantly in one of the trial blocks even at lowest rate of application of 6L/ha. Had **K-Forte** been applied at the higher recommended rate of 8L/ha then possibly more of a significant increase in Brix may have been realised. Furthermore, there was no significant increase in berry weights between the trial and control, further illustrating that **K-Forte** does not increase berry size and weight in wine grapes.

This trial is therefore very important as it is the first and only of its kind in which a foliar potassium containing product has proven to increase colour and Brix, without compromising wine quality. **K-Forte** can be effectively used as a tool in vineyard management in order to improve overall wine quality without any detrimental effects.

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