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**Organic Potassium/Magnesium/Boron/Silicon complex for the prevention or correction of nutrient deficiencies**

**GENERAL INFORMATION**

- **Nutricore K•Force** is a completely chelated foliar fertilizer using organic complexes derived from natural plant sources.
- **Nutricore K•Force** is designed to address potassium (K) and magnesium (Mg) deficiencies in turf that often occur at the same time. This formulation is an ideal balance of these two essential nutrients.
- Boron is added in the ideal ratio to improve the mobility of potassium and magnesium in the plant. Silicon stiffens the turf blade for a cleaner cut, truer ball roll and improved stress tolerance.

**POTASSIUM:**

Potassium is essential for activating several enzyme systems including those involved in photosynthesis and respiration. Potassium is the most abundant cation found in plant cells and is responsible for the regulation of water, and for maintaining the Ph of the cell between 7 and 8. Potassium is necessary for the opening and closure of stomatal guard cells. The concentration of potassium ions increases up to tenfold during the opening of the stomata. Potassium levels in plant tissue should contain between 2.0% and 3.5% of the dried tissue depending on the turf grass variety. Potassium deficiencies weaken plant tolerance to drought, and temperature extremes. Deficiency symptoms include chlorosis, poorly developed roots, and lush turf lacking vigor.

**MAGNESIUM:**

Magnesium is found in the highest levels as the central atom in the chlorophyll molecule and is essential for photosynthesis. Magnesium is involved as an activator for numerous critical enzymes. Magnesium deficiencies are common in strongly acid soils and calcareous sand media. Magnesium levels in plant tissue should contain between .15 % and .50 % in the dried tissue depending on turf grass varieties. Plants with good levels of magnesium are metabolically active and increase phosphorous and other nutrient uptake. Magnesium is very mobile in the plant and deficiency symptoms include chlorosis in the older leaves as chlorophyll breaks down to provide nutrients to the younger leaves.

**GUARANTEED ANALYSIS:**

Potassium (K) .....	8.0%
Magnesium (Mg).....	4.0%
Boron (B). .....	0.3%

**DERIVED FROM:**

Potassium carbonate, magnesium oxide, boric acid: Organically chelated with natural plant derivatives

Product contains non-plant food ingredients: Silica 0.05%

**APPLICATION RATES:**

Warm and Cool Season Turf: Apply product at a rate of 3-5 oz per 1000 sq. ft. (78 -130 ml per 100 sq. m) every 21 days or as needed.

Packaged in 2 x 10 Litres, 2.64 Gallons.  
Net wt: 26.8 kg, 59 lbs.



**For more information contact us at 1-866-499-0659**

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## FEATURES:

### Potassium/Magnesium/Boron

### Silicon

### Plant based Organic Complex

### Natural and Built-In Humectants

### High Level of Safety

### Tank Mix Compatibility

## BENEFITS:

Contains an ideal ratio of potassium to magnesium for sound plant growth at critical stages. Boron improves the mobility of potassium and magnesium and is critical in the synthesis of pectins from carbohydrates( glucose 1-P)

Beneficial element to grasses where it accumulates in the cell wall. Silicon "stiffens" the turf blade for a cleaner cut.

Nutrients are 100% chelated with plant-based complexes which are quickly absorbed and translocated in the plant tissue.

Humectants keep the nutrient complex wetter for a longer period of time allowing for greater absorption from the leaf.

**K•Force** does not contain nitrates, chlorides, sulphates or sodium. Natural derivatives are compatible with plants normal biological processes.

Compatible with most pesticides, water soluble fertilizers and with all Nutricore products.

## DIRECTIONS FOR USE:

- **K•Force** is recommended in conjunction with a **Precision Nutrient Program®** that includes assessment of need from analytical data
- Foliar products are best applied in the early morning or evening for better absorption into the leaf tissue.
- **K•Force** is compatible with all Nutricore foliar fertilizers and most commonly used pesticides. A jar test is recommended when mixing with other chemicals.
- Apply product with a minimum of one gallon of water per 1,000 sq. ft. (5 litres per 100 m<sup>2</sup>).
- Allow product to dry on leaf completely before irrigating.
- Product requires gentle agitation before use.
- Store product in a cool dry place out of direct sunlight.



**Fertilizer with a Purpose™**