



CrK

controlled release potassium

FUSION FACTS

The importance of potassium nutrition in turfgrass management is widely accepted. Potassium doesn't drive turfgrass growth or have a dramatic effect on color, but does it play a critical role in the plant's water regulatory systems. Turfgrass deficient in potassium exhibits a reduced ability to withstand most stresses, particularly those brought on by drought, traffic, heat and cold. Though visual symptoms of a potassium deficiency are rare in will express itself with a yellowing of leaf tips and margins. In severe cases, the turfgrass stand will begin to thin and eventually die. In short, proper potassium management creates the foundation for the healthy turf.

Unfortunately, potassium also happens to be one of the most difficult nutrients to manage, particularly in the calcareous sand soils typical to greens in Western Canada. The low Cation Exchange Capacity (CEC) of these soils results in few exchange sites that are able to "hold on" to the Potassium cation. Moreover, the high levels of soluble calcium inherent in calcareous soils compounds the problem by constantly out-competing potassium for room on soil exchange sites. And when turfgrass clippings are removed from greens, available soil potassium reserves can be rapidly depleted. The result is greens that see high rates of potassium leaching and chronic potassium deficiencies.

Fertility practices have changed in recognition of this problem. Spoon feeding potassium with frequent and light fertilizer applications is now commonplace. Though somewhat effective, soils are still subject to the peaks and valleys that come from potassium applications followed by high rates of leaching. A constant, controlled release supply of potassium fertilizer is preferred.

A unique controlled release form of potassium, **CRK**, is an integral part of FUSION elite quality greens grade fertilizers. It is one of the few truly micro-sized (90 sgn) controlled release potassium products available, fitting in perfectly with the other exceptionally small FUSION greens particles. **CRK** releases potassium slowly and uniformly for 8-12 weeks, delivering a constant supply of potassium to the turfgrass roots. **CRK** reduces potassium leaching, thereby improving potassium utilization for turf that is better able to withstand stress from drought, traffic, heat and cold.

In standard FUSION greens grade products, CRK is incorporated to comprise 50% of the total potassium. For agronomically based prescription formulations, this ratio can be increased or lowered to suit individual circumstances.

In any application, at any ratio, **CRK** will help you grow better turf.

FUSION
TURF NUTRITION

PO Box 770
Enderby, BC
V0E 1V0

Phone: 250-838-6414
Fax: 250-838-6968
www.fusionfert.com