

# Premium 6 Potassium Uptake Technology

Fertilizer costs are high! Premium 6 increases the efficiency of applied fertilizer, reducing cost.

Crops often require as much potassium uptake as nitrogen. As a matter of fact, most plants have an uptake NPK ratio of 4-8 N to 1-2 P to 3-9 K! In all vegetables and many fruits, K is essential to size, yield, sugar, color and all the attributes that make a profitable, quality crop. Bio-Gro, Inc. will supply you with a complete potassium strategy. Please see our technical bulletin on Complete Fertility System (CFS) – Potassium at [www.biogro.com](http://www.biogro.com).

Plants take up large amounts of potassium in a very short period of time. In nutrient accumulation studies, we compiled the following table.

The data in table 1 is reported in actual units per acre of potassium in the entire plant.

Note: in 15 days, potatoes ultimately can accumulate 300 units of K, 20 units per day! Premium 6 will help increase the lbs/day of potassium uptake in this critical growth stage.

We have demonstrated the positive effects of Premium 6 on nutrient levels. Our

research shows a 18-29% increase in petiole K when Premium 6 is applied has adequate rates during the optimum window of K uptake and storage.

The data in Table 2 is reported as ppm in the petiole.

Although not as significant as K, there are increases in levels of P, S, Ca, and Mg.

The petiole is the pipeline to the leaf. Increasing the total mineral content of the petiole allows the leaf to uptake more nutrients in a shorter period of time thus increasing yield.

Premium 6 increases potassium uptake in many crops. Timing and rate of application is critical to consistency and the potential of the results obtained. Consult your qualified Bio-Gro, Inc. representative today.

Potassium Accumulation in Units / Acre Table 1

Days after Emergence	15	30	45	60	75	90	105	120
Crop / Yield								
	Potatoes - 30 tons/acre	27	150	447	512	566	554	534
Onions - 50 tons/acre	8	44	94	285	305	380	300	278

Increasing Petiole Levels with Premium 6 Table 2

	P	K	S	Ca	Mg
Control 1	4,100	11,200	2,500	9,700	4,300
Premium 6	4,500	13,200	2,600	9,700	3,800
Control 2	3,700	12,000	2,300	6,400	2,400
Premium 6	3,700	14,300	2,600	6,400	2,400
Control 3	2,300	10,300	2,300	12,000	4,000
Premium 6	2,400	13,300	2,400	20,800	4,800

Premium Humic Acids  
**Premium 6 & K**



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