



# INCREASE TOMATO YIELD WITH FOLIAR CORONA K APPLICATION

**RESEARCHER:**

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**SITE LOCATION:**

Lancaster County, PA  
Tomatoes in High Tunnel

**PURPOSE AND HYPOTHESIS:**

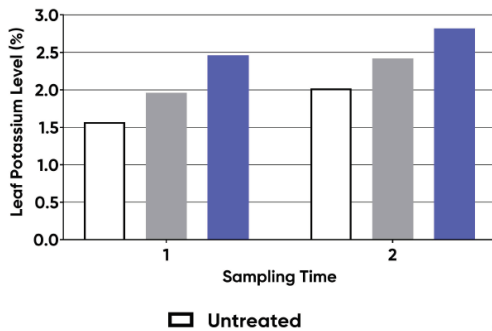
The purpose of this experiment was to test the application of Corona K (8-11-39) against an untreated and standard foliar K program on tomatoes. Our hypothesis is the PRX Complex in Corona will help to increase nutrient absorption and lead to higher tissue K, fruit K, and higher yields.

**APPLICATION:**

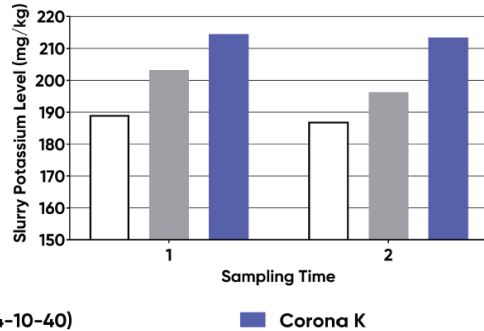
PRODUCT	ANALYSIS	RATE
Untreated	0-0-0	0 lb/ac
Standard Foliar K	4-10-40	5 lbs/ac (split)
Corona K	8-11-39	5 lbs/ac (split)

**RESULTS:**

**Effect of foliar application of Corona K on leaf tissue levels of potassium**



**Effect of foliar application of Corona K on fruit levels of potassium**

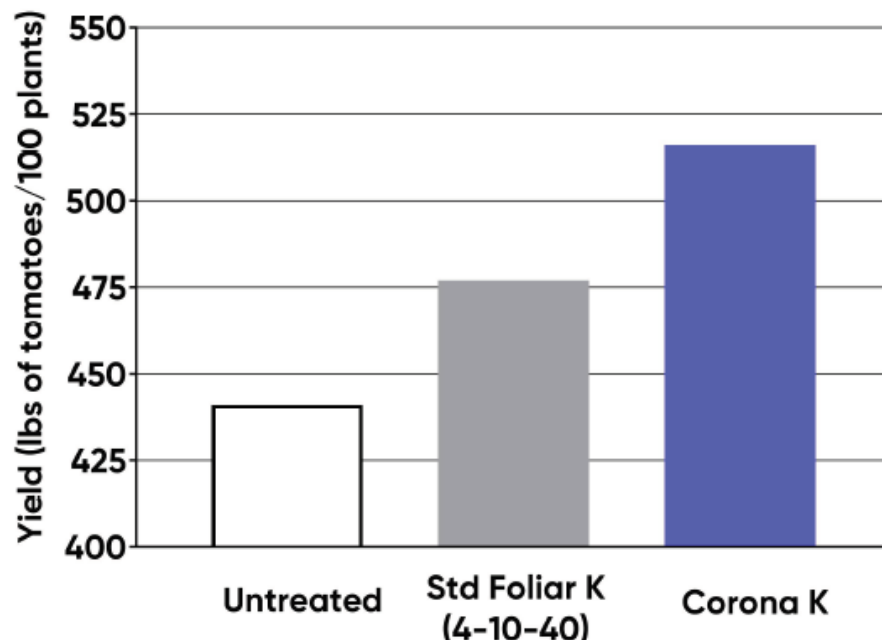


**KEY FINDINGS:**

LEAF TISSUE TESTS	FRUIT SLURRY TEST
<ul style="list-style-type: none"> <li>Foliar potassium increased the levels of K in the tissue at both sampling times</li> <li>Corona K showed higher levels of K than standard program</li> </ul>	<ul style="list-style-type: none"> <li>Foliar potassium increased the levels of K in the fruit at both sampling times</li> <li>Corona K showed higher levels of K than standard program</li> </ul>



## Effect of foliar application of Corona K on tomato yield



### KEY FINDINGS:

Corona K increased yield by 39 lbs/100 plants or 0.39 lbs/plant when compared to the standard 4-10-40 treatment. Corona K increased yield by 75 lbs/100 plants or 0.75 lbs/plant over the untreated control.

### RETURN ON INVESTMENT:

PRODUCT	ANALYSIS	INCREASE (LBS)	RETURN (\$/100 PLANTS)
Untreated	0-0-0	0	0
Standard Foliar K	4-10-40	36	20
Corona K	8-11-39	75	56

Assumptions: Standard 4-10-40 = 3.12 \$/lbs, Corona K = 3.80 \$/lb, Tomato price = 1\$/lbs