

## In Furrow Fertility - Chickpeas

### Objective

Chickpeas tissue sampling in 2017 showed a consistent deficiency in P and K.

With legumes not being a normal crop to be fertilized, this trial set out to test fertility applied with the drill as a possible way to incorporate these nutrients.

Previous Crop: Winter Wheat  
 Plot Size: 40' x 7', 4 reps  
 Planting: 5/3/2017  
 175,000 Seed/acre

### KEY FINDINGS

- Treatments containing Free pHOS 24 showed a 226 to 488 pound response; significantly higher than the check and straight 11-37-0



Treatment	Yield <sup>^</sup> (Lb/a)	Lbs Over Check
2 gal Free pHOS 24	<b>2311</b> a	↑ <b>488</b>
1 gal Free pHOS 24 + 2 oz Moly	<b>2173</b> b	↑ <b>350</b>
1 gal Free pHOS 24 + 16 oz 9% EDTA Zn	<b>2161</b> b	↑ <b>338</b>
1 gal Free pHOS 24	<b>2068</b> bc	↑ <b>245</b>
1/2 gal Free pHOS 24	<b>2049</b> bc	↑ <b>226</b>
1 gal 11-37	<b>2005</b> c	↑ <b>182</b>
UTC	<b>1823</b> d	
LOCATION MEAN	<b>2083.5</b>	
CV (%)	<b>6.3%</b>	
SD	<b>132.0</b>	

<sup>^</sup> Grouping done by Fishers LSD 95% confidence