



# Fertilizer Program Comparison on Garlic

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## Experiment Info:

Planted:	8-3-2018
Harvest:	7-15-2019
Yield Goal:	4000 lb/a
Target Fert.:	
Variety:	Musiak
Population:	36000 /acre
Row Width:	30"
Prev. Crop:	Rye
Plot Size:	15 acres
Replications:	1

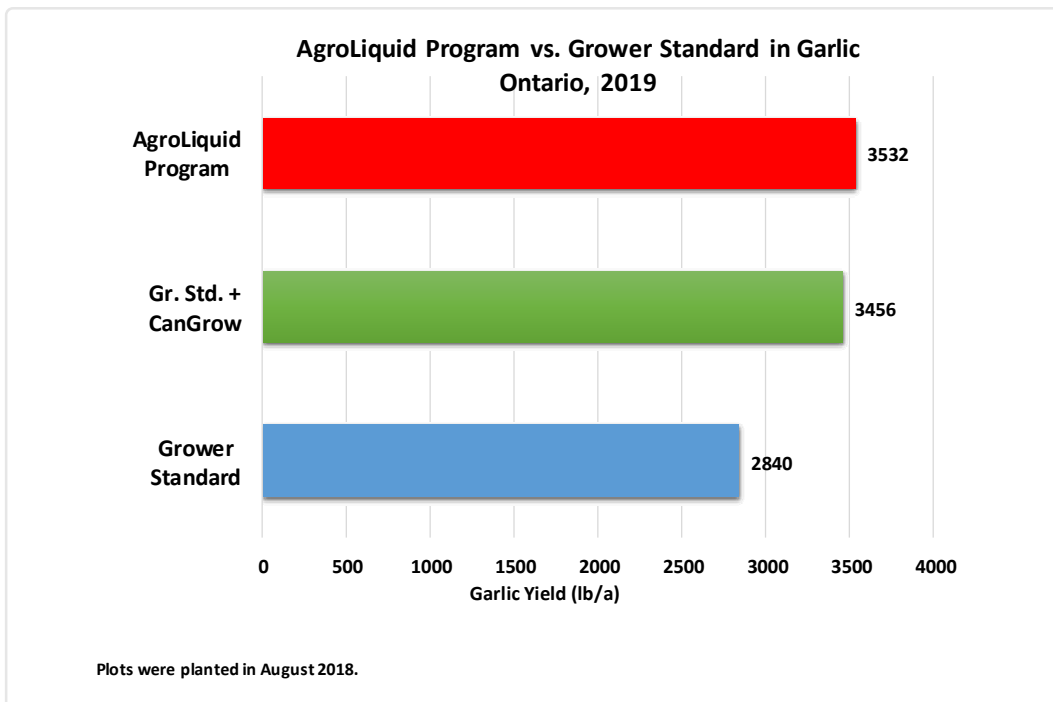
## Objective:

Objective was to compare performance of an AgroLiquid fertilizer program to a grower standard or grower standard plus Nitro K Mag from CanGrow in garlic.

AgroLiquid: Pro-Germinator 3 gal; Sure K 6 gal; C-Tech 0.5 gal; Micro 500 0.5 gal.

Grower std: 18-0-0-6.9Ca-13.3S 300 lb PPI, 27-0-0-12.8S 200 lb BDC; 28-0-0 135 gal split into 3 applications side dress.

CanGrow treatment: Grower Standard + Nitro K Mag to one application of 28-0-0 at first sidedress.



## Soil Test Values (ppm):

pH:	7.0
CEC:	8.3
%OM:	2.5
Bray P1:	160
Bicarb P:	
K:	160
S:	11
%K:	4.3
%Mg:	14.8
%Ca:	69
%H:	11.9
Zn:	3.2
Mn:	12
B:	0.4

## Conclusions:

- The AgroLiquid and CanGrow treatments had similar yield results. However, there was much more fertilizer in the CanGrow or grower standard program than in the AgroLiquid program. The CanGrow and grower standard programs had 450 lb nitrogen per acre, whereas the AgroLiquid program had the equivalent of 180 lb nitrogen per acre.
- The cost differences between the AgroLiquid program and the grower standard or CanGrow program made the AgroLiquid program more profitable than the standard.
- The CanGrow product caused a sludge buildup in the sprayer at application.