



LiberateCa as an Additive in a Corn Planter Program (17-802)

Experiment Info:

Planted:	5/12/2017
Harvest:	10/18/2017
Yield Goal:	170 bu/A
Target Fert.:	187-48-109
Variety:	DKC 53-56 RIB
Population:	32,500
Row Width:	30"
Prev. Crop:	
Plot Size:	15 x 375
Replications:	3

Soil Test Values (ppm):

pH:	5.9
CEC:	13.5
%OM:	2.7
Bray P1:	18
Bicarb P:	
K:	83
S:	11
%K:	1.6
%Mg:	15.4
%Ca:	65.3
%H:	17.3
Zn:	1.2
Mn:	5
B:	.7

Objective:

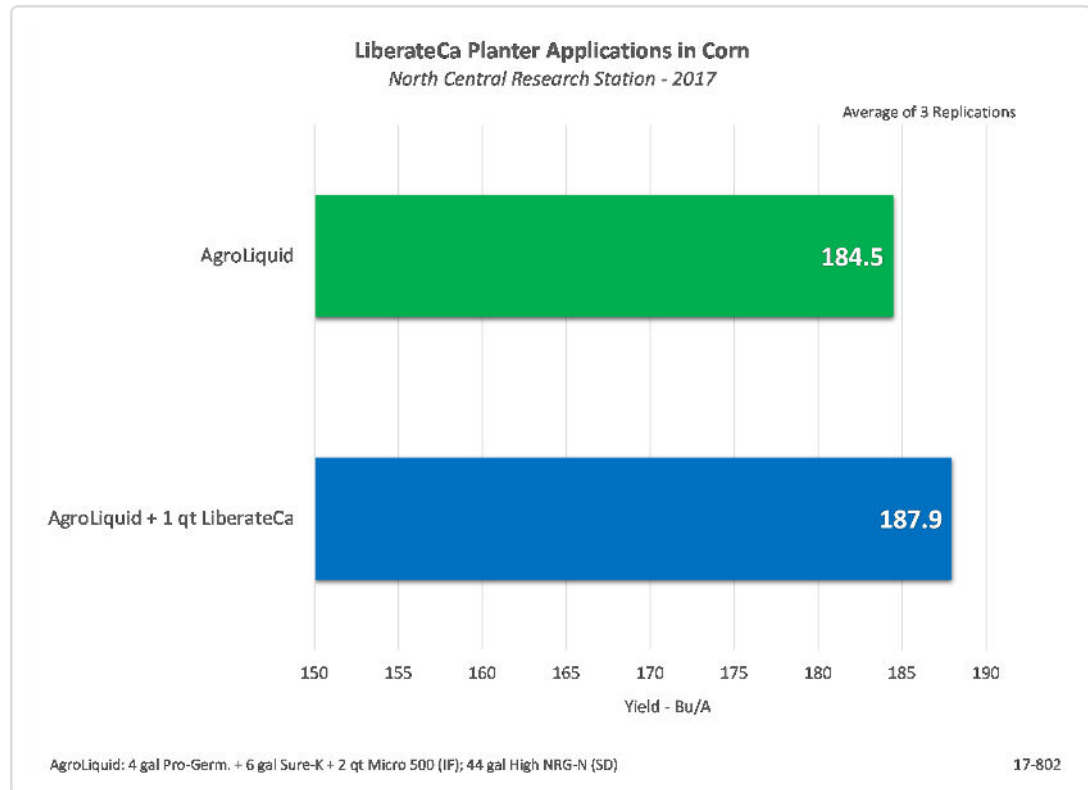
To measure the effects of LiberateCa added to a corn planter fertilizer program.

Calcium plays an important role in the strength of cell walls and stimulating root and leaf development. Most soils, either naturally or through lime applications, have enough calcium to support crop growth. However, in cases where levels are low, the need for calcium fertilizer is critical to achieve top production.

This experiment was established on a site known to have lower soil calcium levels, with a percent base saturation of 65%. In this trial, an application of 1 qt/A LiberateCa was added to an AgroLiquid planter fertilizer program of 4 gal/A Pro-Germinator + 6 gal/Sure-K + 2 qt/A Micro 500.

LiberateCa is a unique calcium source because it can be safely mixed with other planter time fertilizers, including phosphorus, without concern of compatibility issues. These qualities make it a perfect option for in-furrow applications.

Yield results appear on the chart below.



Conclusions:

- The addition of 1 qt/A LiberateCa to a corn planter program provided over a 3 bu/A yield increase.
- In cases where a soil calls for additional calcium and lime is not an option, LiberateCa can help address those crop's needs.