Effect of CM-14 applied as a foliar treatment on soybean

Worton, MD

Experiment Info:	
Planted:	5/12/2017
Harvest:	11/11/2017
Yield Goal:	
Target Fert.:	
Variety:	
Population:	
Row Width:	15 inch
Prev. Crop:	corn
Plot Size:	1.5 acres
Replications:	2

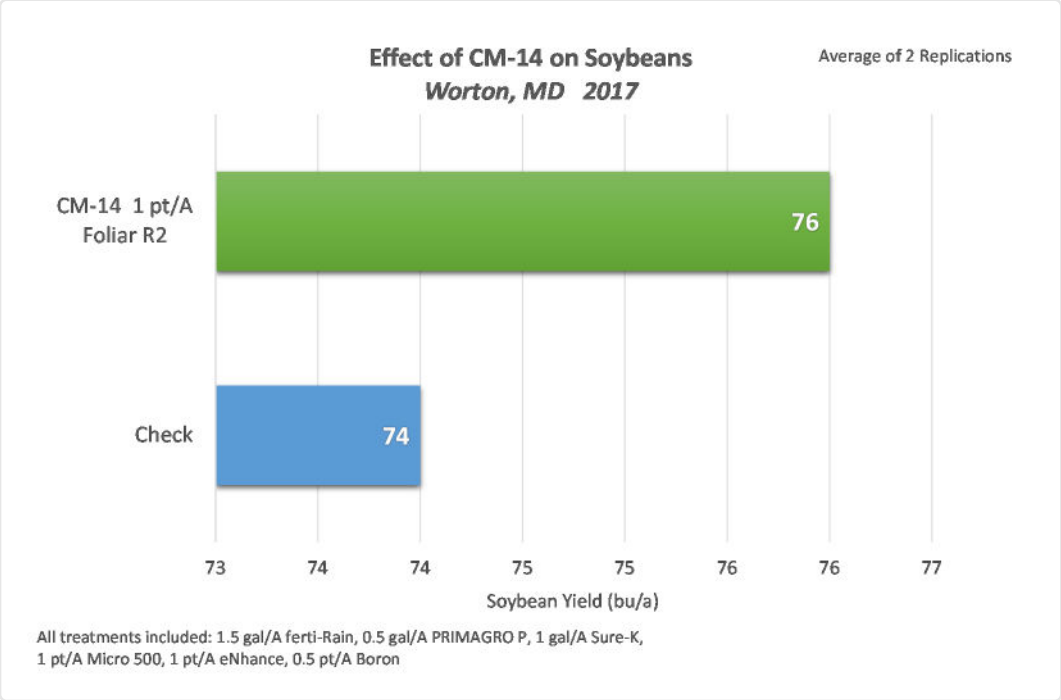
Soil Test Values (ppm):	
pH:	6.1
CEC:	4.5
%OM:	2.7
Bray P1:	20
Bicarb P:	
K:	70
S:	7
%K:	4
%Mg:	21
%Ca:	61
%H:	13
Zn:	1.8
Mn:	17.1
B:	0.4

Objective:

Evaluate the effect of experimental fertilizer CM-14 applied as a foliar treatment on soybean yield.

Studies conducted over the past 10 years have shown that applications of both molybdenum and cobalt help promote the growth and proliferation of nitrogen-fixing bacteria. CM-14 was designed by AgroLiquid to satisfy these needs by supplying cobalt and molybdenum in a single product.

Most testing with CM-14 has been done as a soil application at planting. This trial evaluated the effect of CM-14 on soybean yield when applied at 1 pt/A as part of a foliar treatment at R2. Application volume was 15 gal/A.



Conclusions:

- Plots treated with CM-14 as a foliar treatment had a soybean yield 2 bu/A higher than the check.
- CM-14 did improve soybean yield compared to no CM-14 when applied as a foliar treatment. The yield increase was not as high with a foliar application as with a soil application as shown in other research trials done in MD (see two reports on in-furrow applications of CM-14 in Maryland, 2017).