

Field Test Results (Soybean)-2014



CHI Liquid Carbon Increased Crop Production of Soybean

Objective: *To use organic matter (humic acids) to increase the yield of soybean*

Collaborator: *Tranquility Agriculture, Brownsburg, Quebec, CANADA*

Period: *May to October, 2014*

Tested product: *CHI Liquid Carbon (source of humic acids)*

Tested crop: *Soybean of DK 28-60 variety*

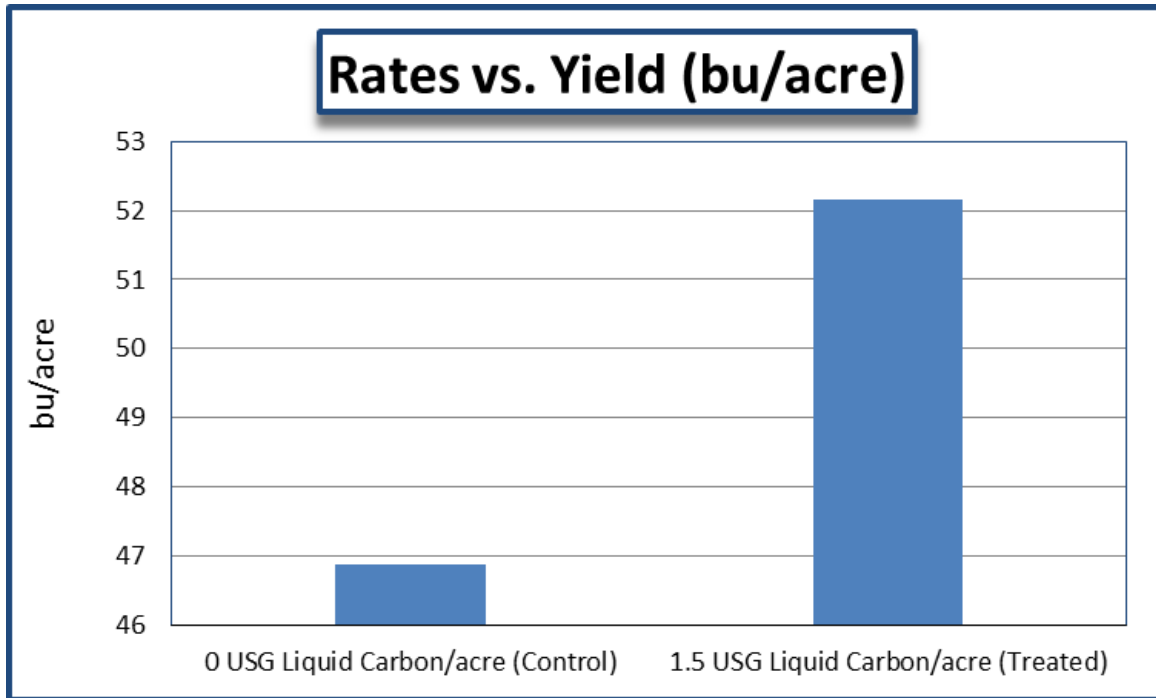
Location: *Brownsburg, Quebec, CANADA*

Soil: *Silty loam, organic matter = 4.3%, pH = 6.3*

Test plots: *19 acres*

Design of Experiments

- Control: 150 lbs/acre MAP + 150 lbs/acre KCl applied fall side banded
- Treated: 150 lbs/acre MAP + 150 lbs/acre KCl applied fall side banded; 1 USG/acre CHI-Liquid Carbon applied in row seed place
- Yield for each plot was measured (1 bushel = 60 lbs)



Results

CHI Liquid Carbon at 1 USG/acre increased yields of soybean by 11% from 46.9 to 52.2 bu/acre.

Conclusions

The yield of soybean was significantly increased by adding small amount of organic matter (humic acids). CHI-Liquid Carbon at 1 USG/acre was economical, practical, and compatible with most nutrients.