

# 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.

