

## Biologicals on Corn

### EXPERIMENT INFO

Planted: 06/05/2019

Harvested: 11/29/2019

Hybrid: E61H72 with Fortenza  
(2700 CHU)

Population: 32,000 seeds/acre

Row Width: 30"

Prev. Crop: Soybean

Plot Size: 12 rows x 1,608'

Replications: 4

#### Nitrogen Application

07/07/2019

broadcast 20 GPA High NRG-N  
using 5-band streamer nozzles

#### Sidedress Application

07/09/2019

25 GPA High NRG-N

#### Soil Data

pH: 5.4 – 7.3 ppm

CEC: 4.5 – 11.7

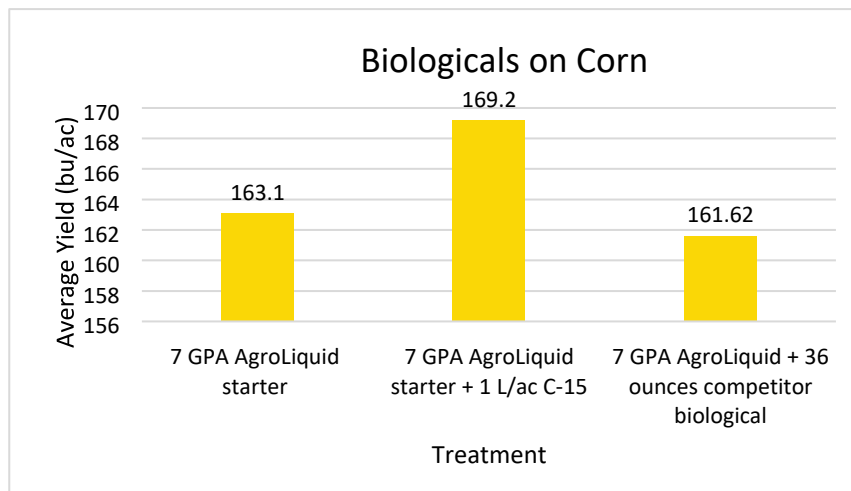
% OM: 1.8 – 3.6

%P: 3-10

% K: 2.3 – 5.1

% Mg: 3.2 – 18.1

% Ca: 16.7 – 80.3



**AgroLiquid starter program:** 3 GPA ProGerminator + 3 GPA Kalibrate + 1 L/ac eNhance + 1 L/ac Micro 500

Treatment	Avg. moisture (%)
7 GPA AgroLiquid starter	28.75
7 GPA AgroLiquid starter + 1 L/ac C-15	29.65
7 GPA AgroLiquid starter + 36 ounces competitor biological	30.3

**Conclusions:** The addition of C-15 to the “standard” liquid starter fertilizer program provided an additional **6.1 bu/ac** over the standard program. Although there was a slight increase in moisture associated with the addition of the C-15, the yield increase associated with the product more than paid for the additional drying costs.

**Economics:** The addition of the C-15 to the AgroLiquid starter program generated an extra **CAD\$95.64/acre** in revenue.

*For these calculations, the fertilizer pricing was based on March 30, 2019 retail prices. Corn pricing was based on the Grain Farmers of Ontario's average weighted price for Oct. 2019 of CAD\$220.52/tonne. Finally, the cost of drying to 15.5 per cent moisture was calculated using the Manitoba Agriculture's Grain Drying Cost Calculator ([mbdiversificationcentres.ca/grain-drying-cost-calculation-tool/](http://mbdiversificationcentres.ca/grain-drying-cost-calculation-tool/).)*