

2022

**Expt. Title: Purple Cow:
Corn Starter-Side dress Trial - Year: 2022
Agri-Tech Consulting**

Minerals, Carbon & Biology

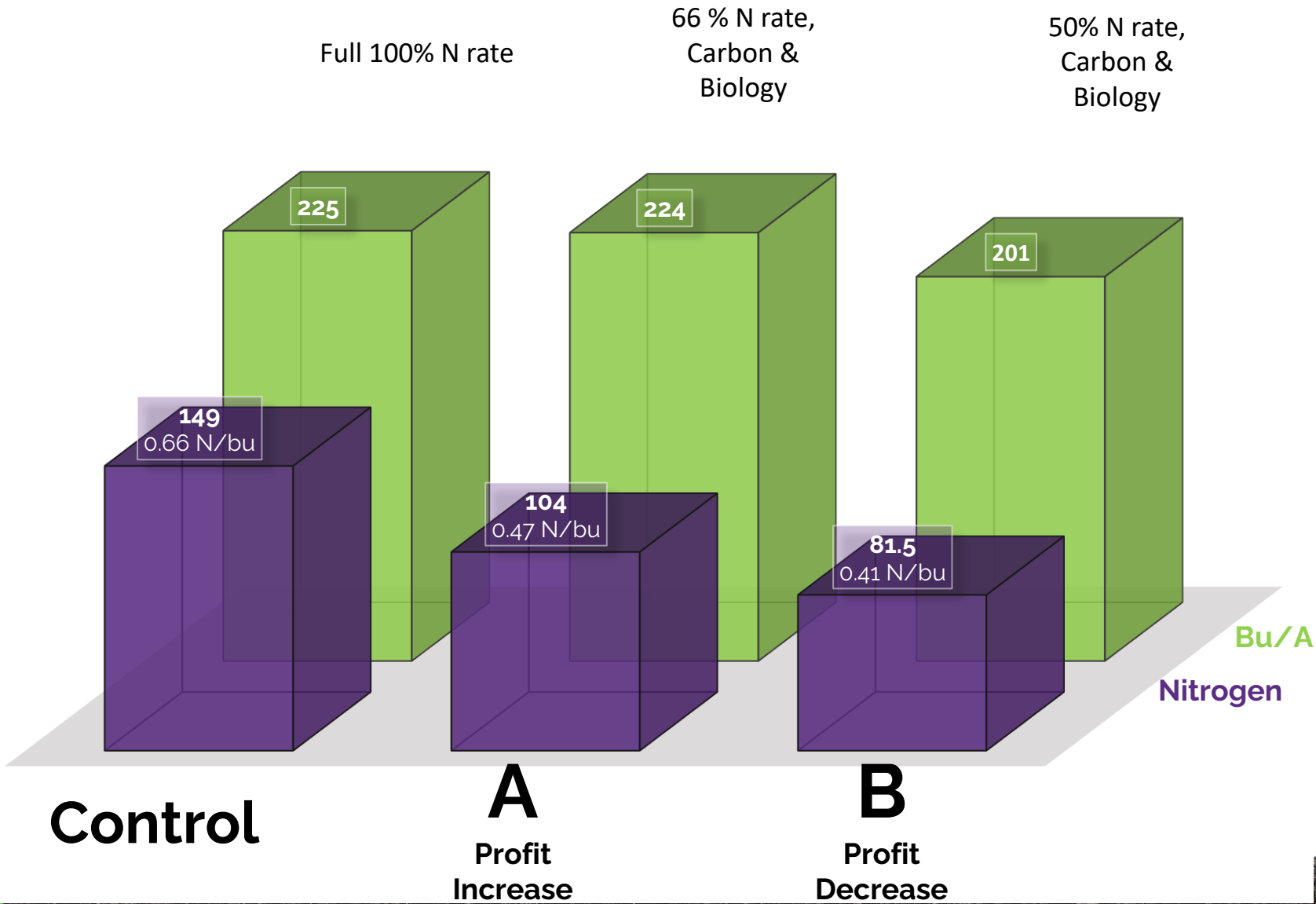
The 2021 protocols were designed to use carbon & biology in lieu of a chemical fertility event. (in furrow or side-dress). The 2022 protocols were designed to use carbon and biology in conjunction with a liquid Nitrogen application to first help reduce leaching, second to enhance uptake.

- High Yielding Program - **45 gallons** UAN 2 days after planting
- Treatment A - **30 gallons** UAN, Carbon and Biology
- Treatment B - **22.5 gallons** UAN Carbon and Biology

FIELD INFORMATION	
Field:	BF-3 N42.880397 W-88.740833
Soil type:	Milford silty clay loam
Soil Test Results:	11/03/2020 pH: 6.8 P: 40 ppm K: 143 ppm O.M. 4.6 % CEC = 27.6
Rock River Labs	Ca = 4125 ppm, Mg = 802 ppm, S = 3.3 ppm, B = 0.6 ppm, Mn = 26 ppm, Zn = 3.6 ppm
Watertown, WI	Sand % = 20, Silt % = 50, Clay % = 30%, Fertility = excellent, Drainage = excellent
Fertilizer Applied:	90 lb/acre 11-52-0 + 200 lb/acre 0-0-62 applied November 20, 2021 6-24-6 IF @ 5 gallons/acre 45 gal/acre UAN 28% applied May 20, 2022
Tillage Operations:	Fall chisel plowed, spring field cultivate to incorporate fertilizer and level field for planting
Previous Crop:	Soybean
Previous Herbicide:	Boundary fb FlexStar GT and Select Max
Irrigation:	None



Increase Profit with a better Nitrogen Mix – has its limits



Control

Fall:

90 lb/acre 11-52-0
200 lb/acre 0-0-62

In-Furrow:

6-24-6 @ 5 GAL/ACRE

45 gal/acre UAN 2DAP
(2 days after planting)

A - 66% N , Carbon & Biology

30 gal/acre UAN –

1.5 gal CXPro

3 gallons liq carbon/ACRE
2 days after planting

B- 50% N , Carbon & Biology

22.5 gal/acre UAN –

1.5 gal CXPro

3 gallons liq carbon/ACRE
2 days after planting



CXPro