

2022 & 2023 POTATO STUDY OF CROPSIL RATES

Marshall, MI & Vandemere, NC

Conducted by
MID-MICHIGAN AGRONOMY

The Little Nutrient
Making a BIG
Difference

CropSIL[®]

A plant process regulator and nutrient enhancer



NUVIA
TECHNOLOGIES INC.

Inspired by Nature, Driven by Results

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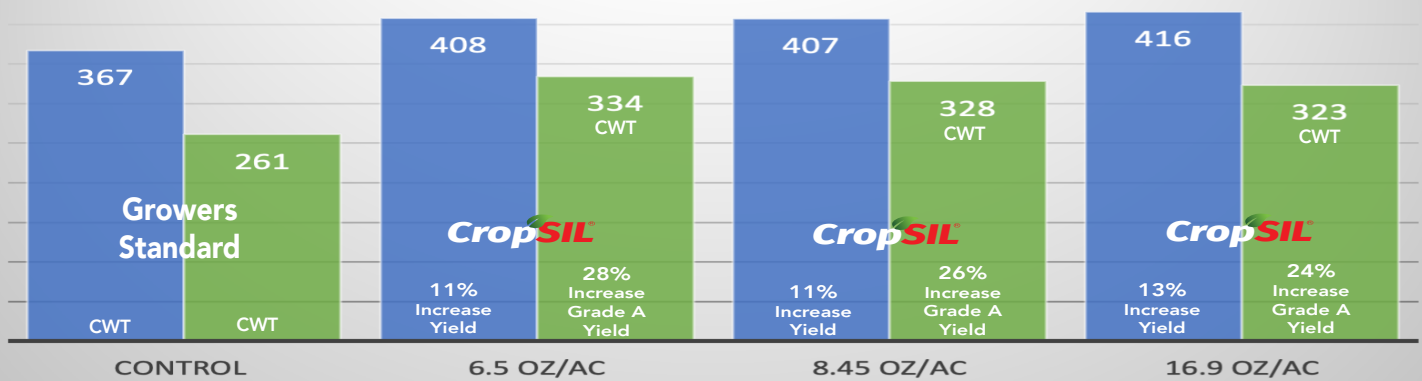


*Approved input for use in organic agriculture according to POP standard attested by Ecocert India Pvt. Ltd. (NPOP/NAO/002)

2022 Grower Standard Potato Program PLUS CropSIL

CropSIL: Applied 5 times at 3 different rates/ac.

Russet Norkotah: Total Yield and Grade A Yield

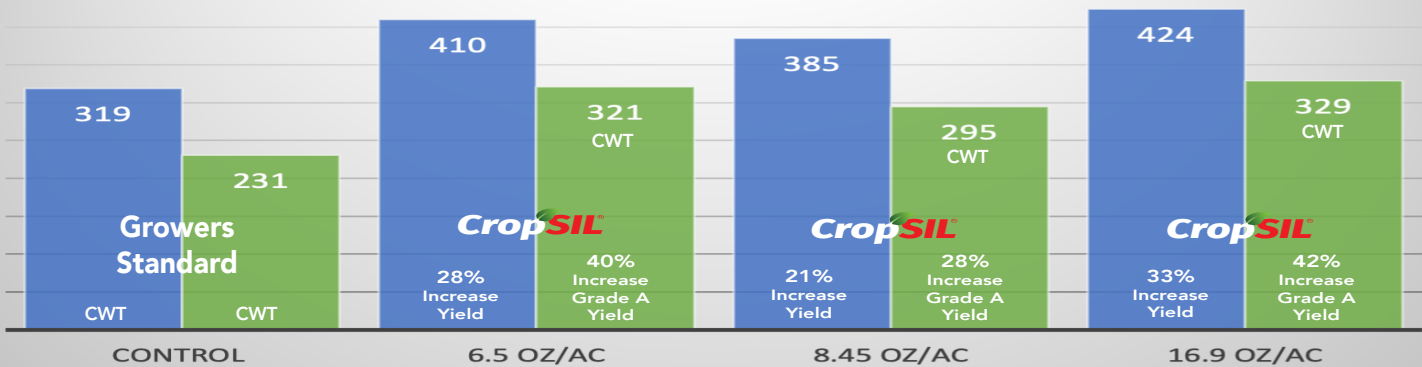


All Yields are CWT
CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Marshall, MI
Planted: Apr 30, 2022 – Harvested Sept 15, 2022

Manistee: Total Yield and Grade A Yield

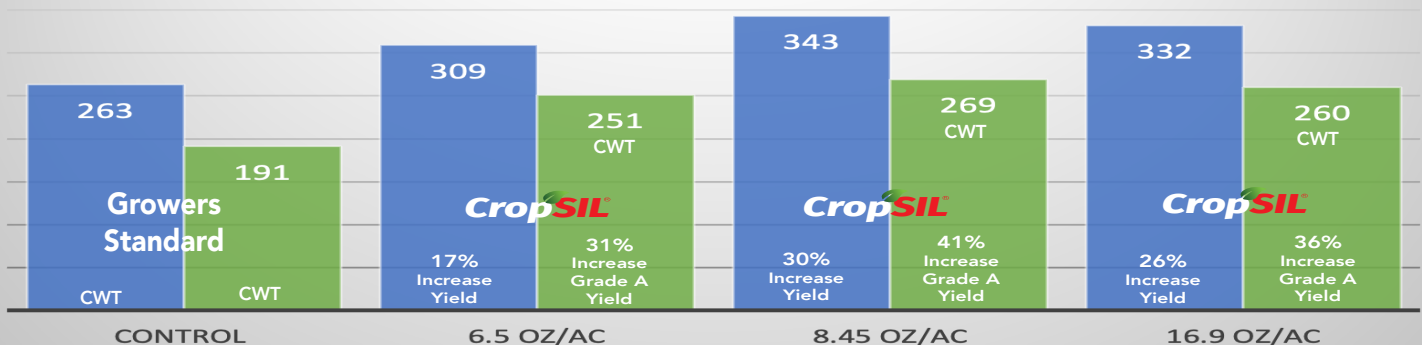


All Yields are CWT
CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Marshall, MI
Planted: Apr 30, 2022 – Harvested Sept 15, 2022

FL1867: Total Yield and Grade A Yield



All Yields are CWT
CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Vandemere, NC
Planted: Mar 17, 2022 – Harvested Jun 24, 2022

Test Parameters: CropSIL was applied 5 times at 3 different rates **6.45oz/ac, 8.45oz/ac and 16.9oz/ac.** to assess its performance on different varieties of potatoes. CropSIL mixes well in combination with other inputs in a tank mix, as such was the case with the Grower's Standard.

Observation: CropSIL showed improvements in yield, uniformity, density and shelf-life of different potato varieties.

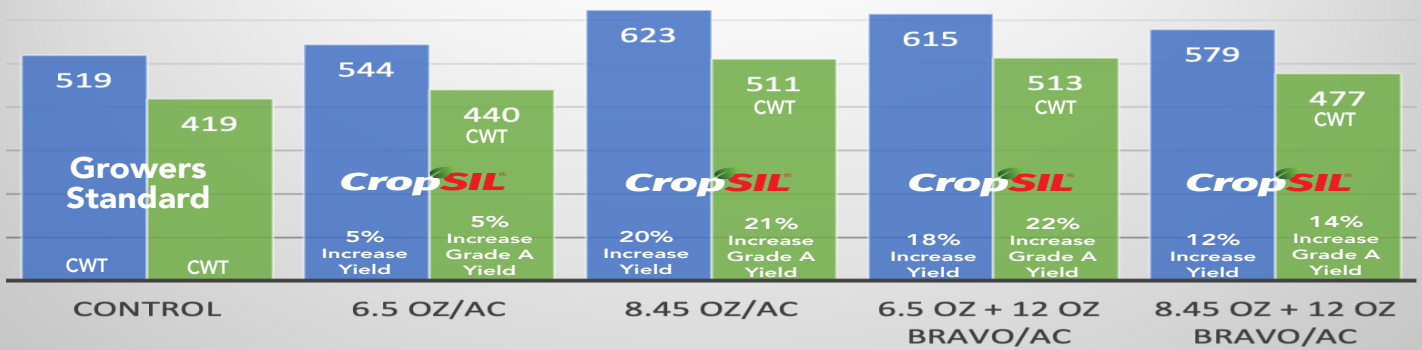
CropSIL showed significant results at the lower rates (6.45oz. and 8.45oz).

CropSIL showed significant improvements in Grade A quality, achieving a positive ROI to grower.

2023 Grower Standard Potato Program PLUS CropSIL And CropSIL with Half-Rate Fungicide.

CropSIL Applied 5 times at 2 different rates/ac
 CropSIL Applied 5 times at 2 different rates/ac, with only half rate fungicide (12oz)

RUSSET NORKOTAH: Total Yield, Grade A & Performance

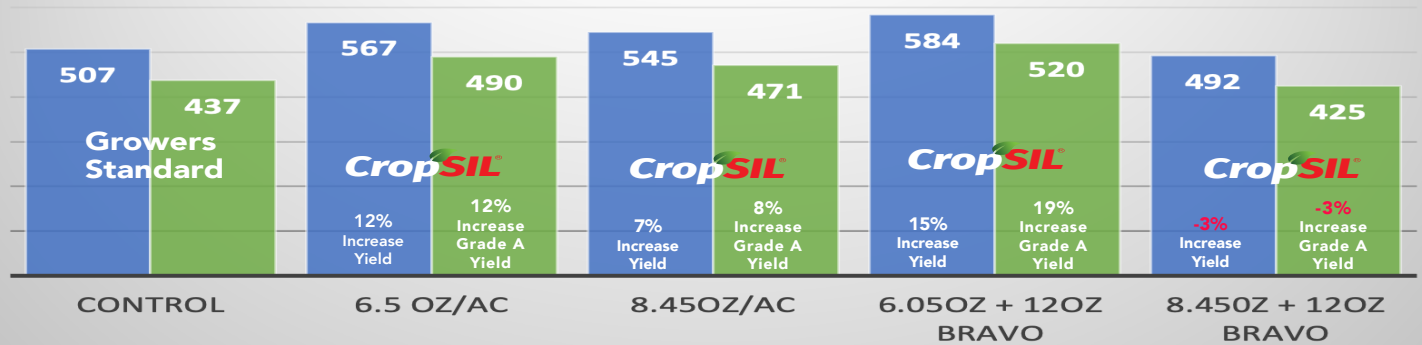


All Yields are CWT
 CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Marshall, MI
 Planted: Apr 22, 2023 – Harvested Sept 13, 2023

MANISTEE: Total Yield, Grade A & Performance

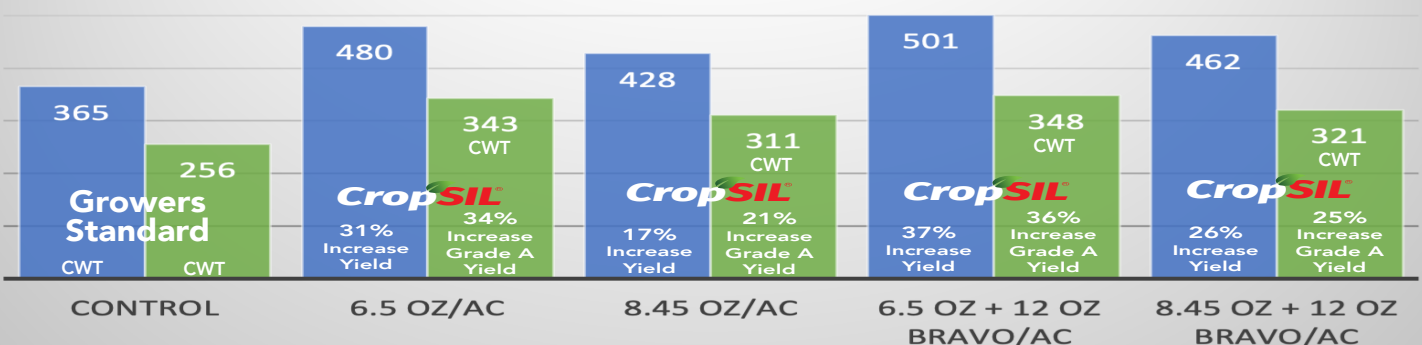


All Yields are CWT
 CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Marshall, MI
 Planted: Apr 22, 2023 – Harvested Sept 13, 2023

FL1867: Total Yield, Grade A & Performance



All Yields are CWT
 CWT = 100/lbs (45.4kgs)

■ Total Yld/ac ■ Grade A Yld

Place: Vandemere, NC
 Planted: Mar 6, 2023 – Harvested Jun 24, 2023

Test Parameters: CropSIL was applied 5 times at 2 different rates **6.45oz/ac**, **8.45oz/ac**. to assess its performance on different varieties of potatoes. A performance evaluation showed the efficacy of the 2 rates of CropSIL applied with a common fungicide Bravo to test the efficacy of the fungicide at half-rate (12oz./ac). CropSIL mixes well in combination with other inputs in a tank mix, as such was the case with the Grower's Standard and Fungicide (Bravo).

Observation: CropSIL showed significant increase in the Grade A quality of all varieties even at equivalent or slightly lower total yield counts. CropSIL showed positive results at the low rates of (6.45oz. and 8.45oz) used in combination with growers standard across all varieties. CropSIL used with only 12oz of Bravo fungicide showed significant efficacy, and improved grade quality across all varieties. CropSIL showed significant improvement in total yield, grade A quality, specific gravity, and crop uniformity.