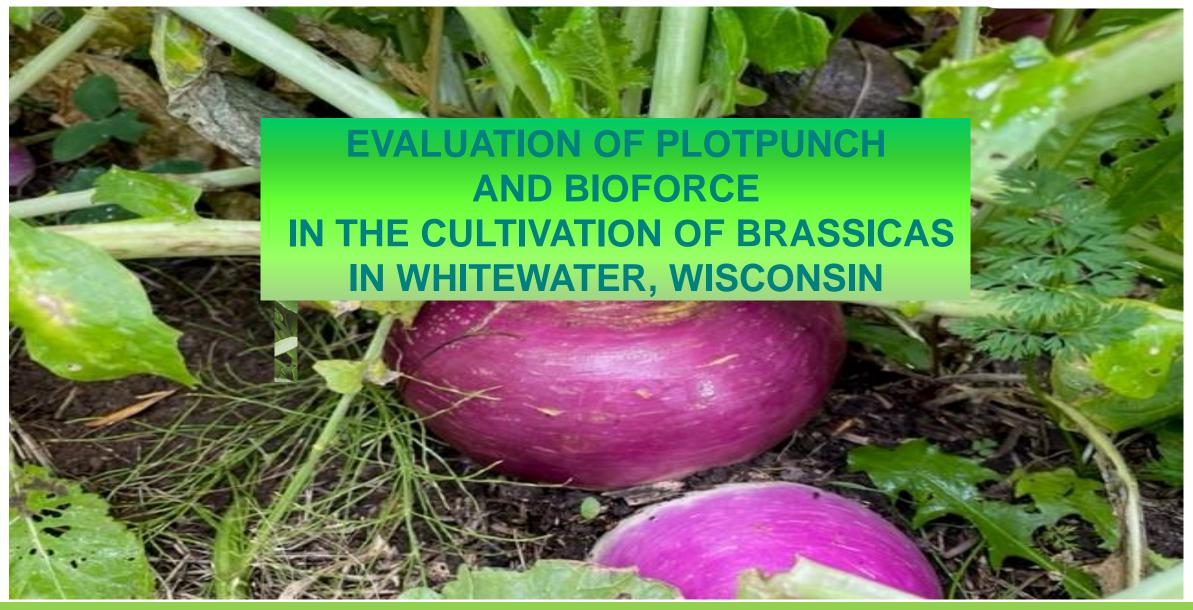
Agri-Tech Consulting





PlotPunch

TREATMENTS APPLIED



| Treatment | Rate | Timing |
|---------------------------------------------------------------------------------|------------------------------|--------------------------------|
| T1. Untreated check | | |
| T2. Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron | 1.0 gal/acre 1.0 gal/acre | At full bloom 14 days later |
| T3. Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron | 1.0 gal/acre 1.0 gal/acre | At full bloom 14 days later |
| BioForce | 1.0 pt/acre 1.0 pt/acre | At full bloom 14 days later |

CULTIVAR AND EXPERIMENTAL DESIGN

Timing of applications: At full bloom and 14 days later

Experimental design: The experimental unit consisted of 4 beds, each 10 ft wide by 50 ft long, giving us an area of 500 ft² per experimental unit. The plot was planted on May 15, 2023.

The harvested plot width was 5 ft wide and 45 ft long, that is, 225 ft² per treatment. The harvest occurred on July 24th and October 15, 2023.

There were 4 replications per treatment: June 10, June 24, July 25, and August 08, 2023

The seeding density was 80 seeds per ft²

The variables were evaluated for the first and second cuttings.

DRY YIELD 1st CUT (lbs/acre)

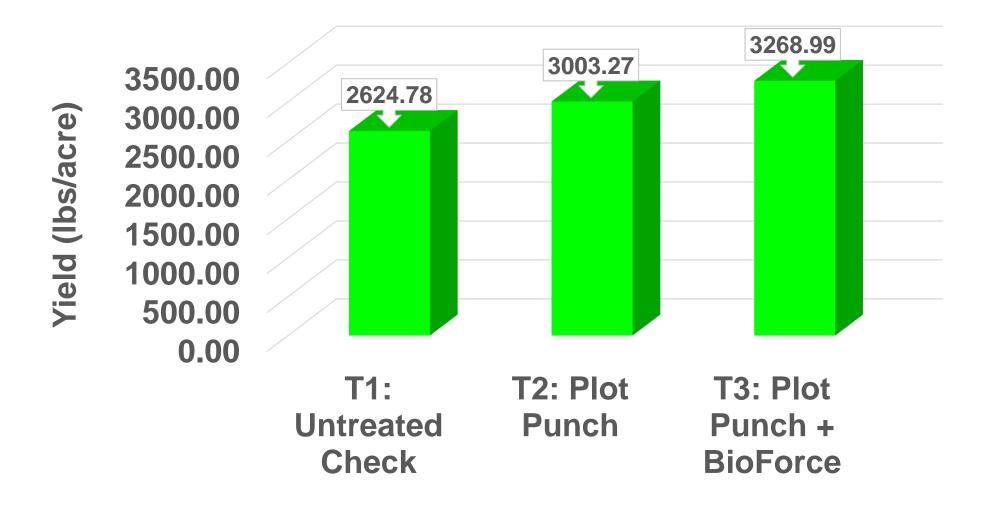


| Treatments | Dry Yield 1st Cut (lbs/acre) |
|-------------------------------------------------------------------------------------|---------------------------------|
| T1: Untreated Check | 2624.78 |
| T2: Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron | 3003.27 (14.4 % yield increase) |
| T3: Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron; BioForce | 3268.99 (24.5% yield increase) |

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DRY YIELD 1st CUT (lbs/acre)





Treatments

DRY YIELD 2nd CUT (lbs/acre)

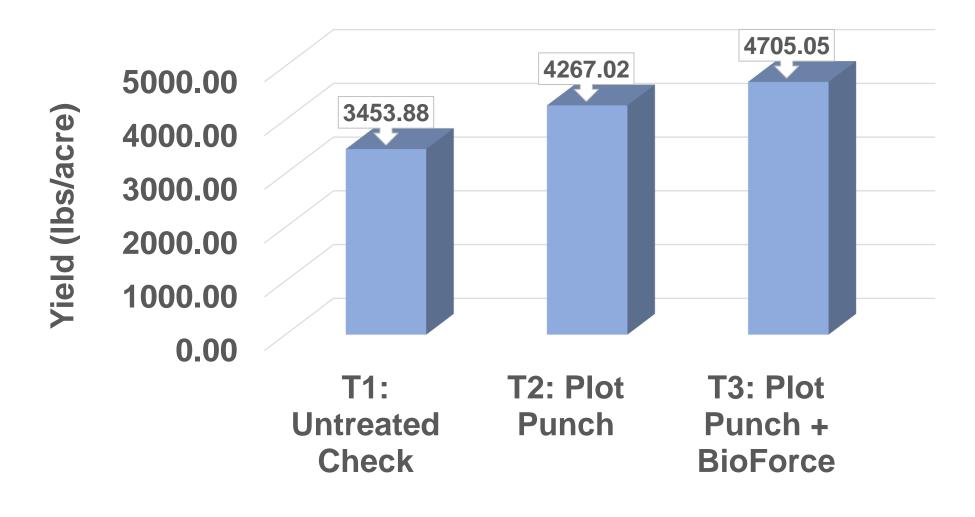


| Treatments | Dry Yield 2 nd Cut (lbs/acre) |
|-------------------------------------------------------------------------------------|------------------------------------------|
| T1: Untreated Check | 3453.88 |
| T2: Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron | 4267.02 (23.5% increase) |
| T3: Plot Punch 15-5-3: SRN/100% Ortho Phos/Pot. Acetate/EDTA Calcium/Iron; BioForce | 4705.05 (36.2% increase) |

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DRY YIELD 2nd CUT (lbs/acre)





Treatments

CONCLUSIONS



Only the above ground portion of the plant was harvested for this evaluation. There was noticeable larger below ground growth observed but this potential yield increase was not captured in this research.

Even with this being said,
PlotPunch and the combination of
PlotPunch and Bio-Force gave a
significant yield increase. Same fields,
same seed, but more feed for your
deer.

