

Weed Management

Herbicide Updates

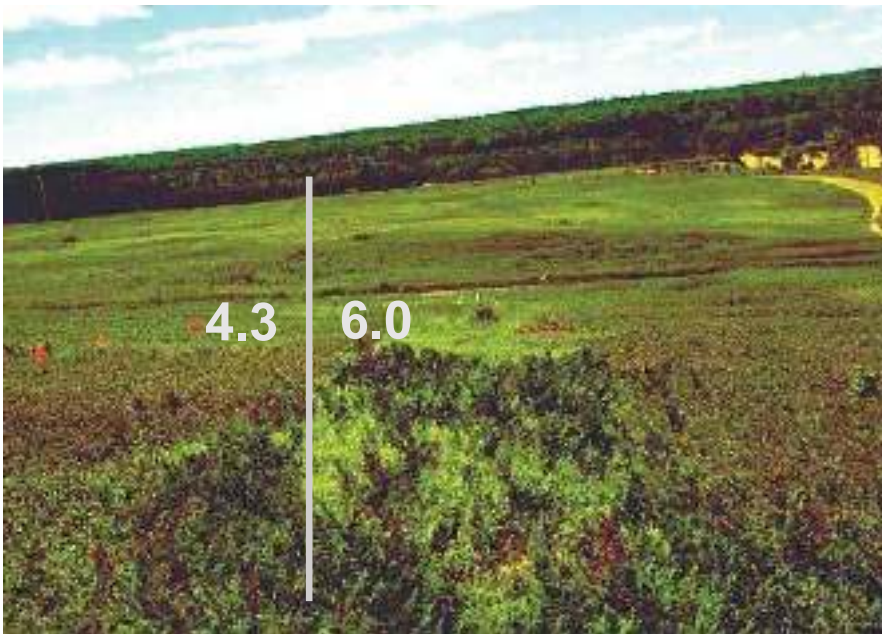
Pesticide Charts Available on Extension Table

- SelectMax (clethodim) now has Lowbush Blueberry on supplemental label
- Asulox (asulam) for Bracken Fern is going up for 24C renewal
 - Prune year, spot spray only

Cultural Weed Management Review and Tine Weeding

Lower pH to 4.0- 4.5

- Works best for grass mgmt.
- Takes 2-3 years to reduce pH
- Lasts for 8-10 years



Granular Sulfur 90%

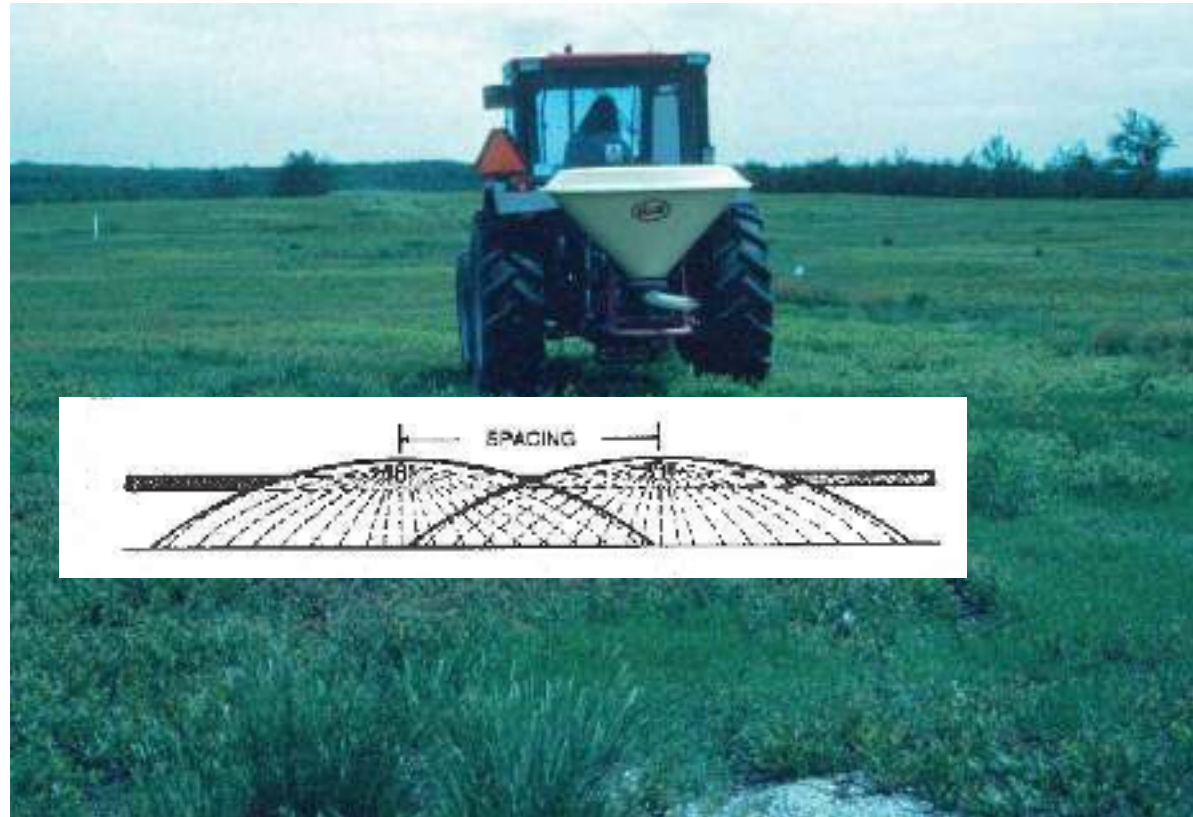
1. Soil test
2. Apply 100 lbs sulfur/acre for each 0.1 pH unit reduction
Example, to reduce your pH from 5.0 down to 4.0, apply 1,000lbs s/acre

CAUTION

1. Do not apply more than 1000lbs/acre per year.
2. Do not apply to saturated soil

Cost (10 acre field)

\$0.34/pound for 5,000 lbs. = \$1,700.00

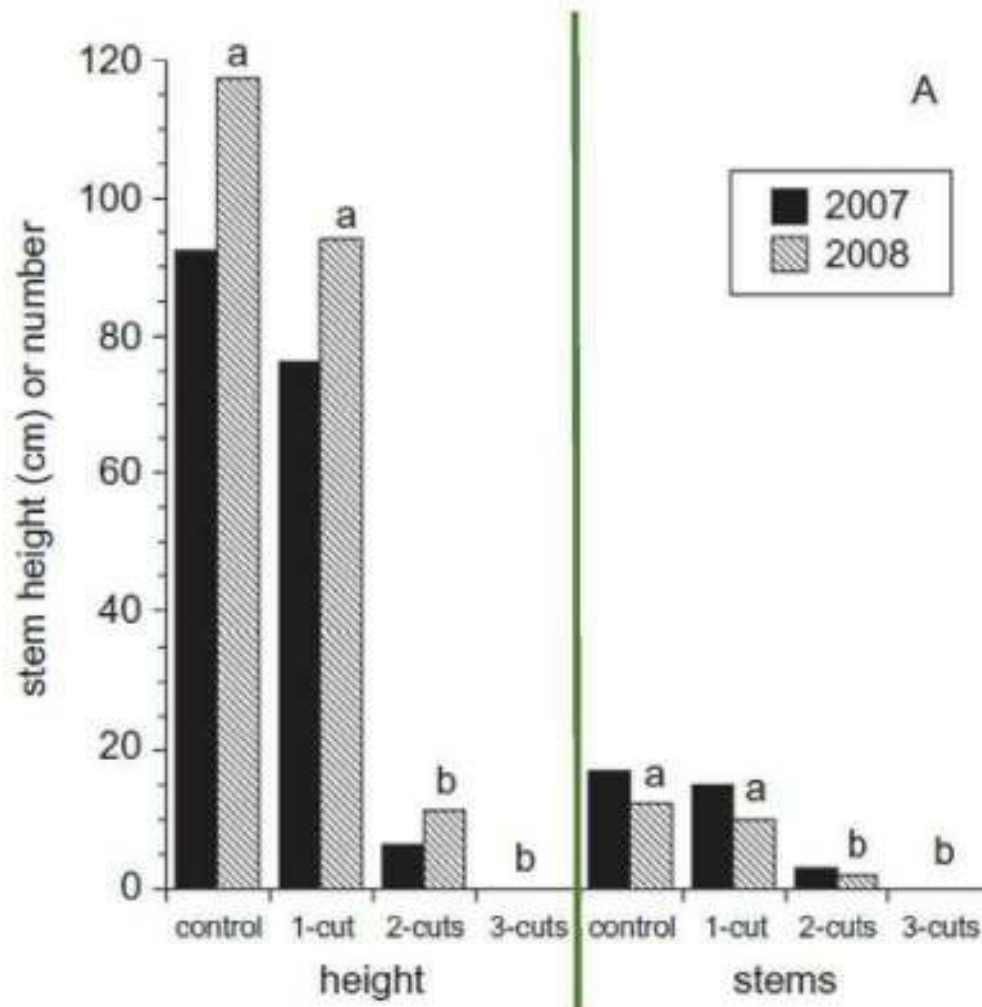


Vicon Applicator – ½ rate with 50% overlap

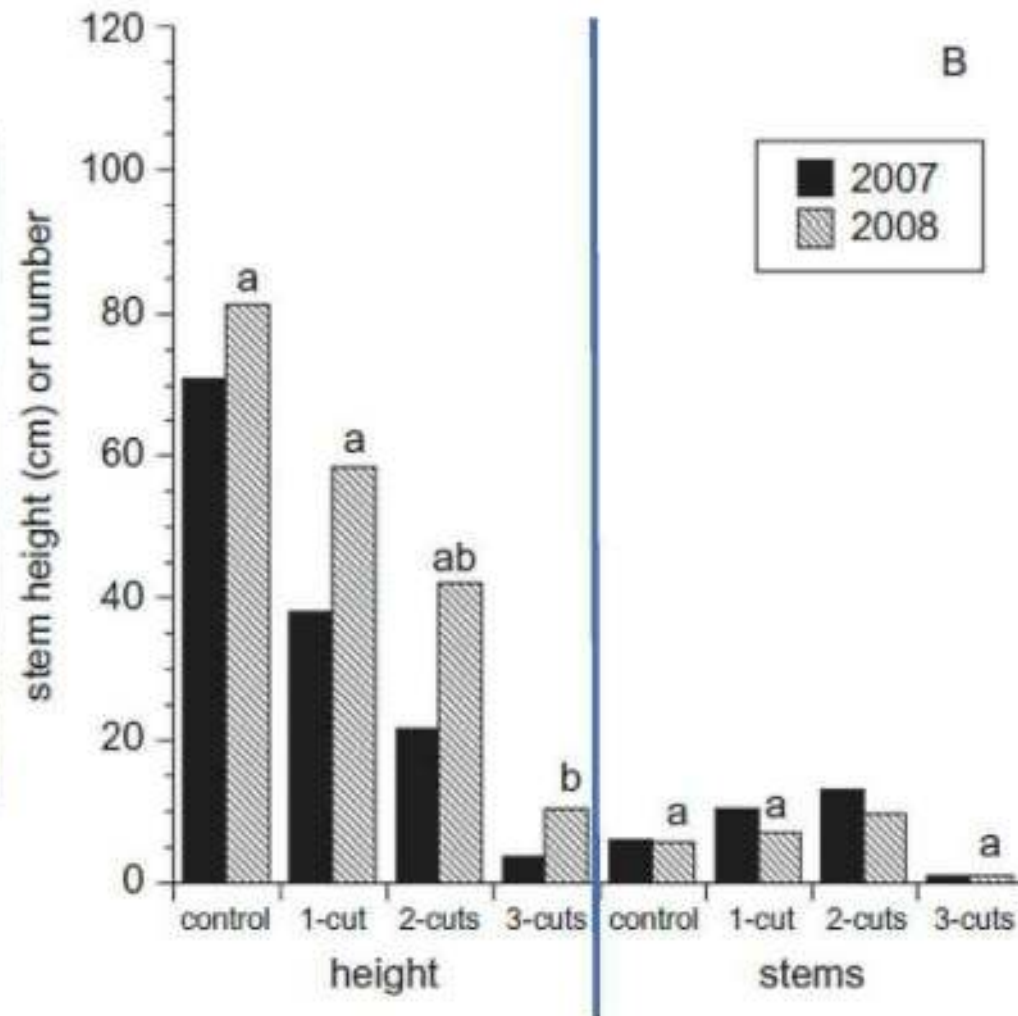
Cutting Weeds Back



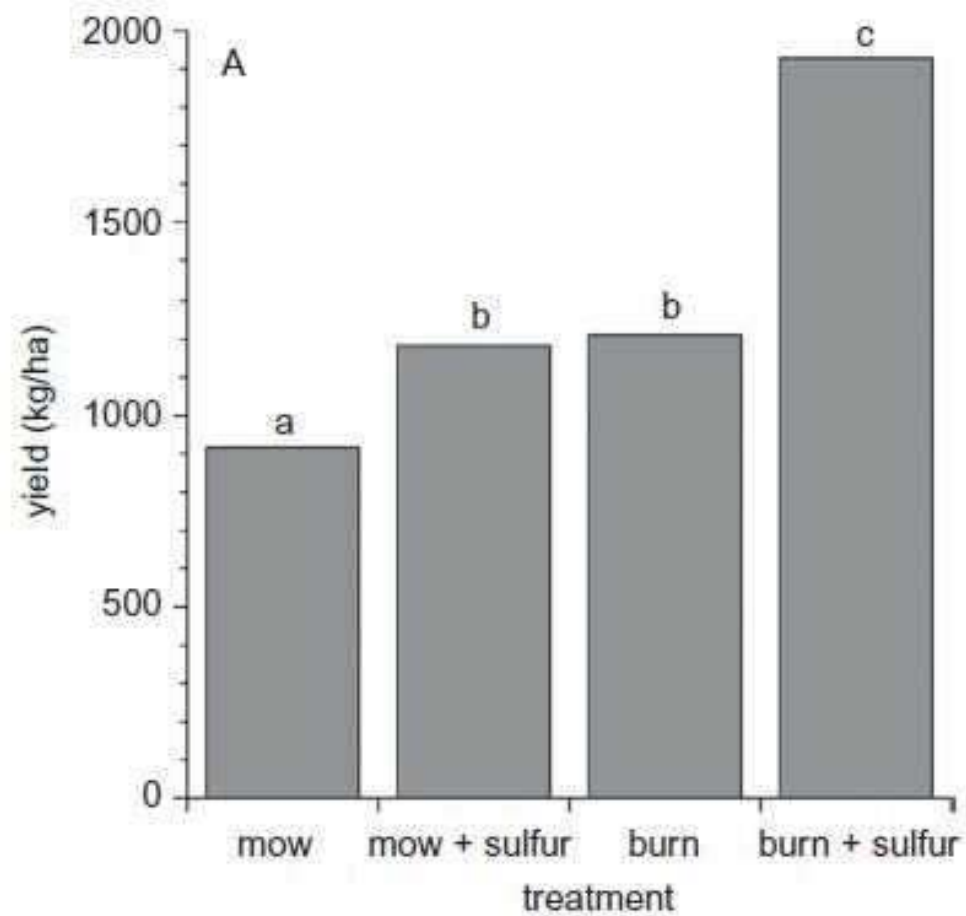
White Birch in 2008 After Cutting in 2007



Willow in 2008 After Cutting in 2007



Combo of Weed Mgmt Tactics Works Best



Tine Weeding





Current Tine Weeding Research Year 1 of 4: Tested it out in Wild Blueberry

2019 Treatments PRUNE YEAR

Control: no weed management

One tine weeding date (May 13)

Two tine weeding dates (May 13 and June 12)

Hand weeded (June 12)

2020 Treatments CROP YEAR

Control: no weed management

One tine weeding date

Two tine weeding dates

Hand weeded

2019 Measurements

- Weed cover before and after treatments
- Ramet counts
- Bud counts

2020 Measurements

- Weed cover before and after treatments
- Ramet counts
- Bud counts
- Yield

Williams flex-tine weeder (\$2000)
1 mph (Fast in annual crop = 6 mph)
2 passes



Before Tine Weed. YOUNG WEEDS
May 13, 2019

Wild Blueberry



Viola



Horse Weed



After Tine Weed: May 13, 2019

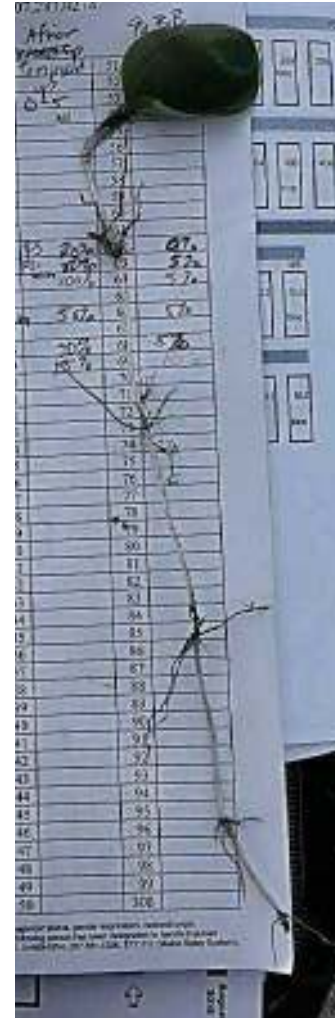
Wild Blueberry



Horse Weed



Canada Mayflower



Red Sorrel



Canada Mayflower



Grasses, nope



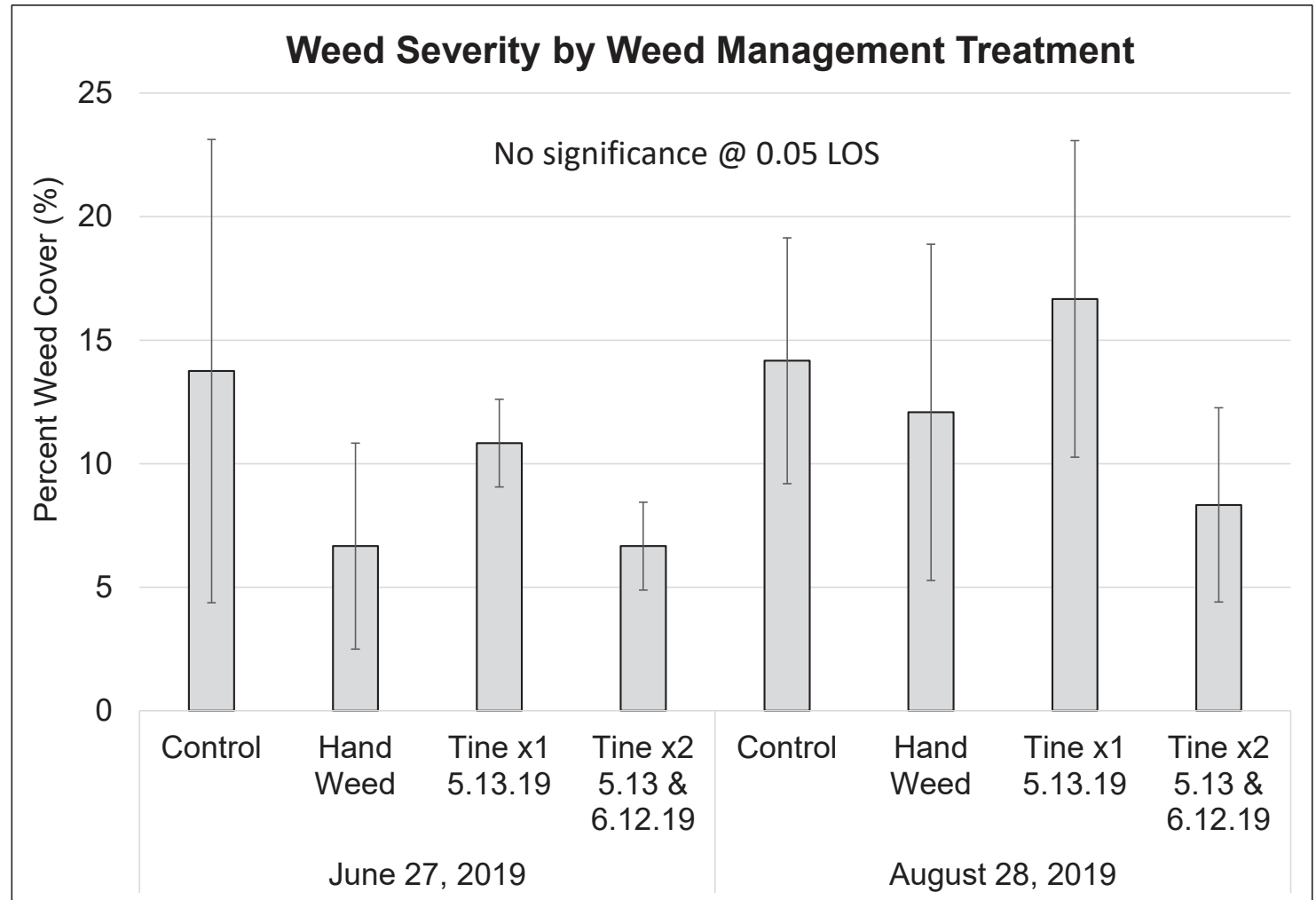
Tine Weed Date #2 (June 12, 2019)

Too late!

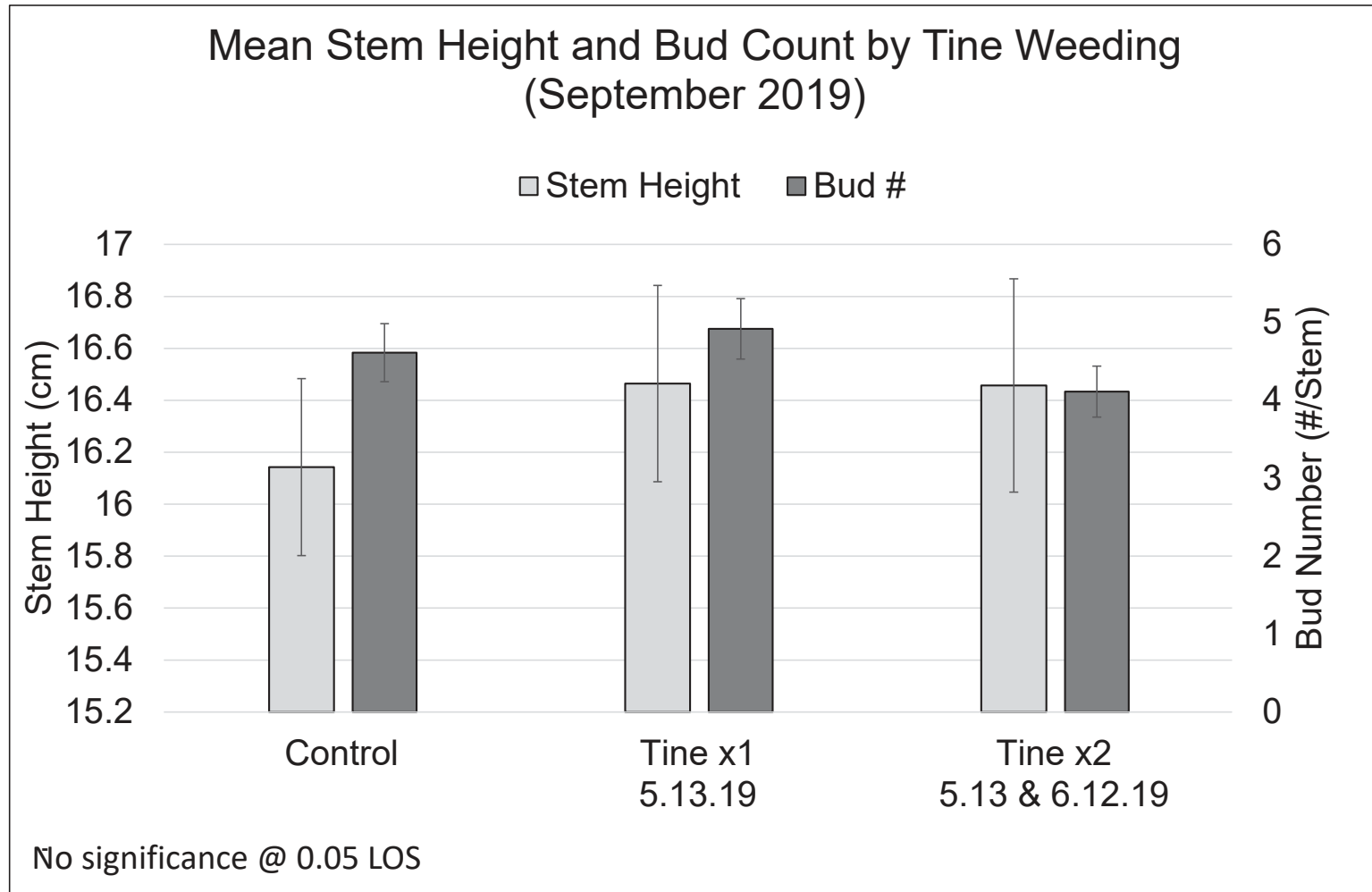
- Crushed tender blueberry
- Weeds were too big



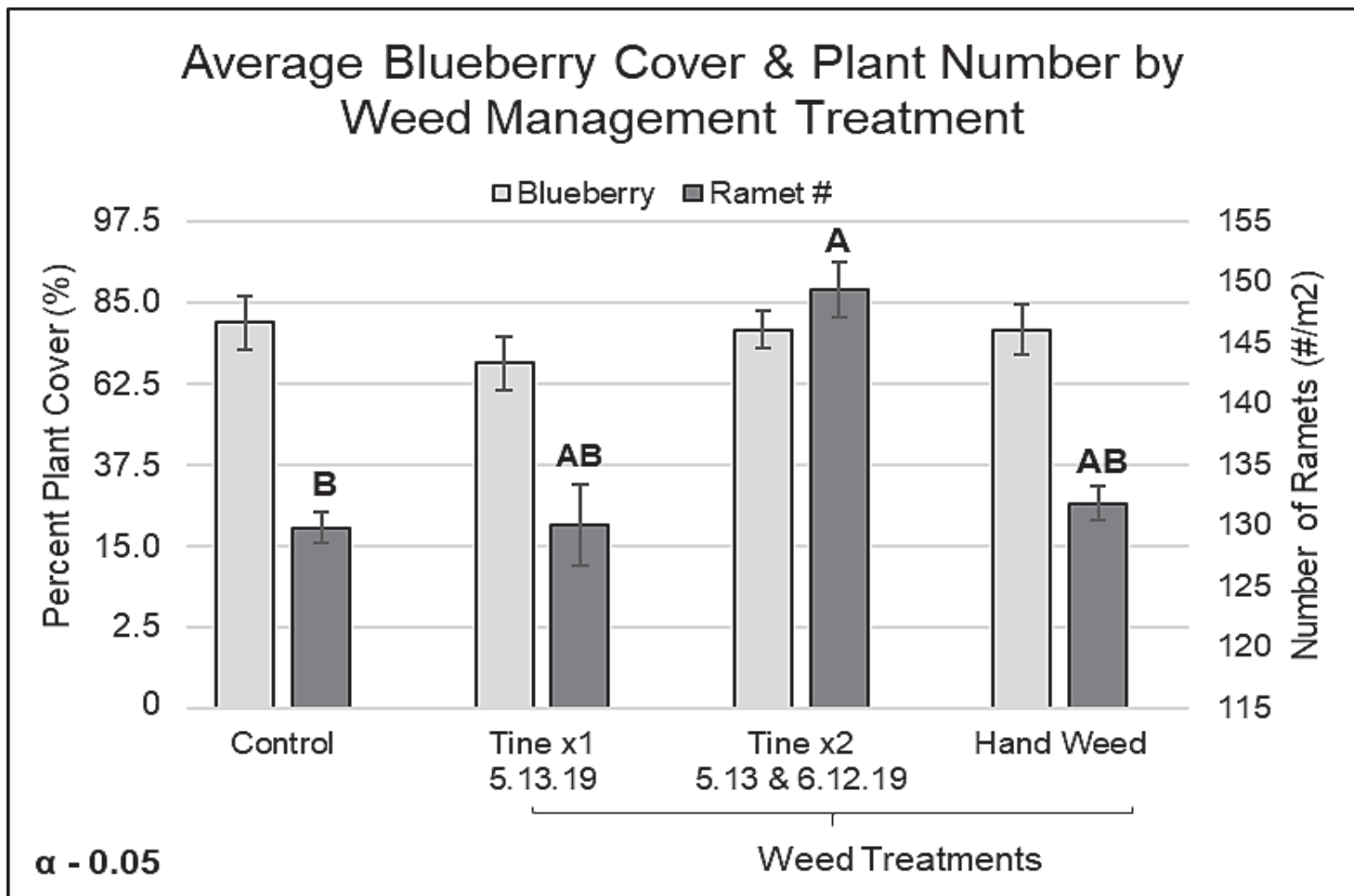
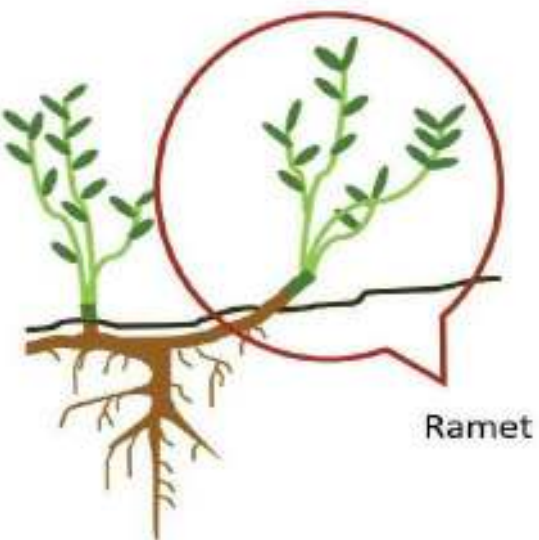
Preliminary Results



Preliminary Results



Preliminary Results



No significance in blueberry cover.
Significantly higher number of ramets in plots tined 2 times.

Wild blueberry responds well to mechanical stimulus.



Pruning

Burning

Cutting rhizomes

(Libby 2011)

Tine weeding might increase stand density.

Just the first year of tine weeding...

Observations:

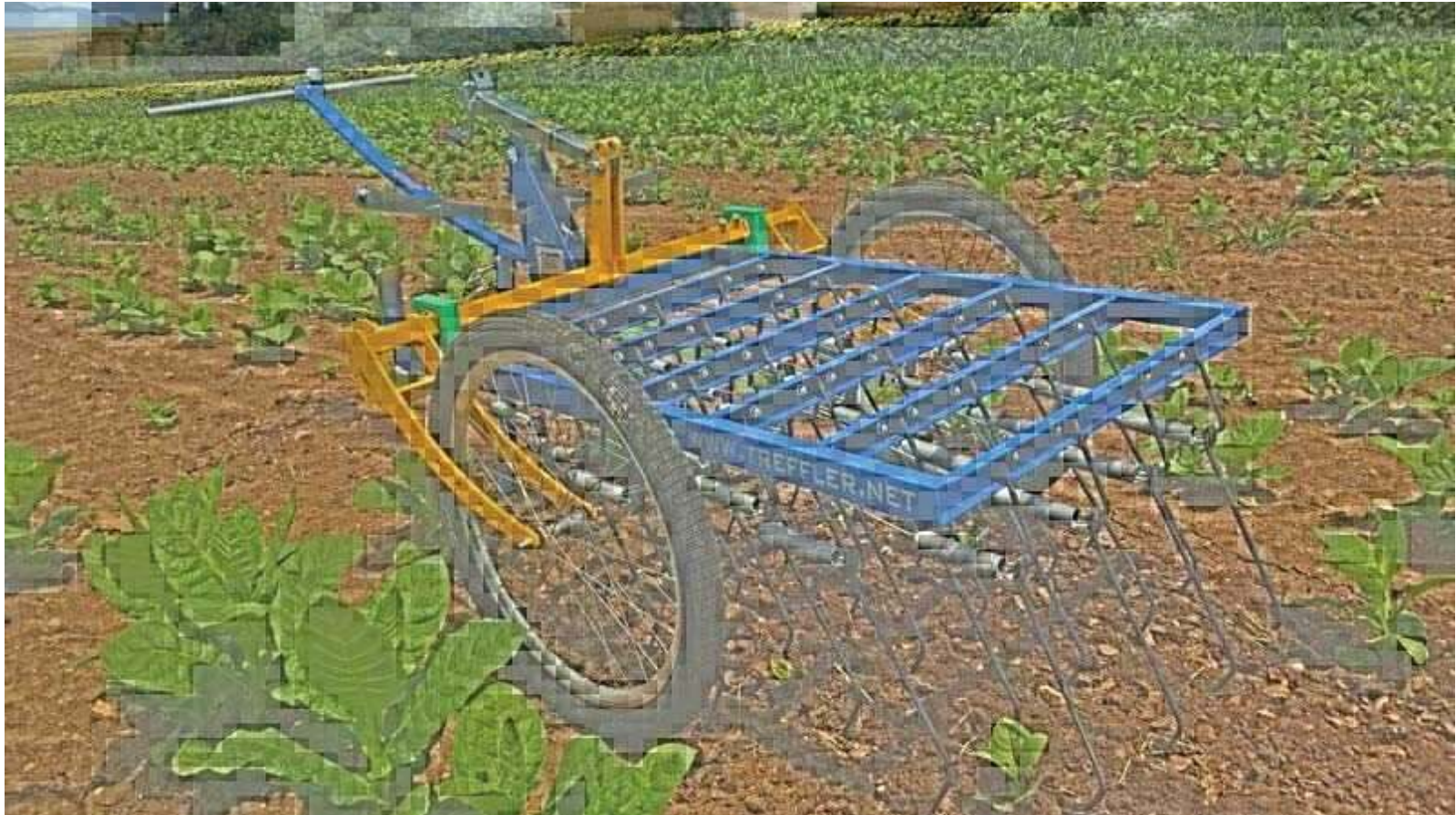
- + Tine weeding one time in early May uprooted some weeds
- + Two tine weeding dates stimulated wild blueberry growth
- June tine weeding date did not reduce weed pressure
- Driving on wild blueberry in June clearly damaged the crop

Overall

Crop stimulation + weed removal = More competitive crop

New weed seed exposed?

2020: TINY Treffler Hand Pull



Thank You

