

Biologicals Application rate via Drip irrigation.

3 Cups with relatively even distribution of the following every 2-3 days. (late April-late August) Mixed with 275 gallons H₂O. Per 4000 sq ft. Followed by H₂O normal drench amount.





April 15th.

This batch of seedlings were all planted on April 10th. Came up on April 13th and today they are lounging under the T5's. The 1017 Rondeau, was an HD winner and its for my 150 patch. The 2501 Bernstrom and 2465 Sperry, will both be growing in 1200 sq ft patches.



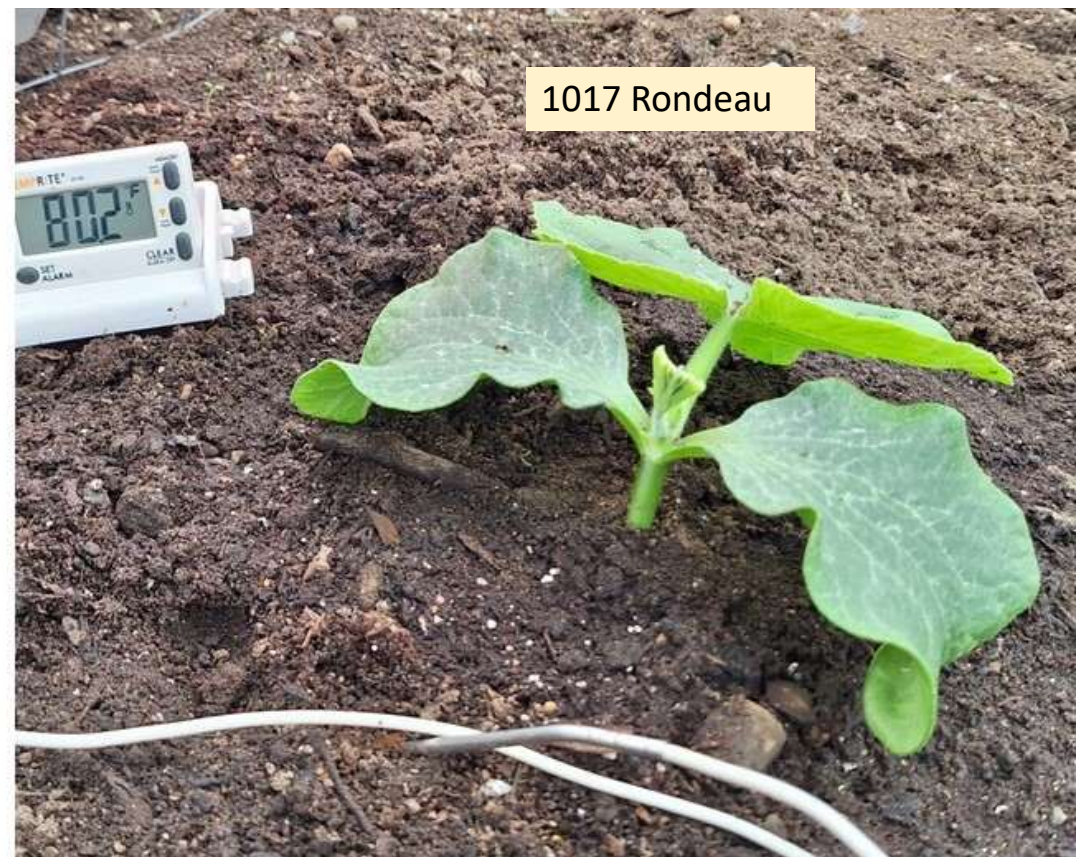
Day 1. To planting holes I added

- a) Azos
- b) WOW Super Starter Paks,
- c) Rootshield,
- d) WOW Mycorrhizal Inoculant
- e) Worm Castings
- f) 16-45-7 Plant Marvel

April 17th DAY 7



On Day 7, Switched to 12-5-19 Cal-Mag, until pollination.
Prevents Cal Mag deficiency....(yellowing between leaf veins, brown spots, leaf tip curling, stunted growth)



Plant Marvel Fertilization Program

<u>Growth Stage</u>	<u>Day</u>	<u>Product</u>	<u>Mix Ratio/ Rate</u>
1) Transplant+Early Growth	1-7	16-45-7 Super Starter <i>(Root Growth + Health)</i>	0.03 lbs/15 gal/50 sq ft/day
2) Mid Growth - Pollination	8-49	12-5-19 Cal Mag <i>(Prevents deficiencies essential micronutrients)</i>	0.44 lbs/200 gal*/2000 sq ft/ 2x/week
3) Pollination to Maturity	50-95	15-5-30 K Mag <i>(Essential K, S, Mg, Sugar & Starches and pH neutral)</i>	0.51 lbs/200 gal*/2000 sq ft/2x/week
4) Maturity	96-110	Stop fertilization	zero

* at peak season



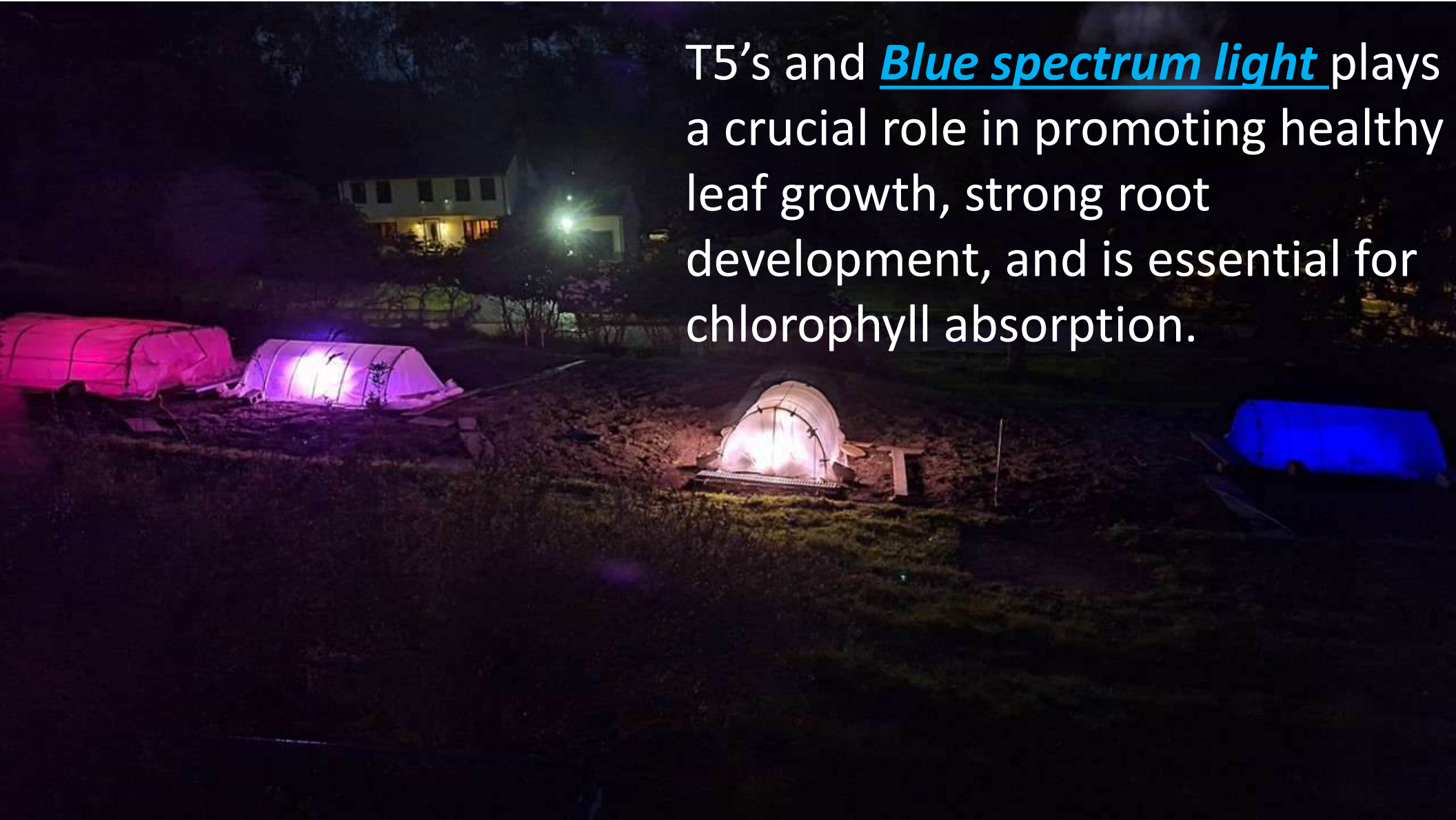
April 28th.
Using Blue Spectrum
LED's and T5's for
chlorophyll
absorption and
healthy leaves.

April 29th

Double Quonset Hut for more efficient evening warmth



T5's and Blue spectrum light plays a crucial role in promoting healthy leaf growth, strong root development, and is essential for chlorophyll absorption.



May 18th
2501 Bernstrom.
10ft Main.
1st pumpkin showing at 9ft.

Drench with Ridomil 4 more times.
I use a 0.07% dilution ratio.
1 oz per 250 gal H2O

May 18
June 18
July 18
Aug 18



May 18th
Elevated walking path



Elevated walking Path.



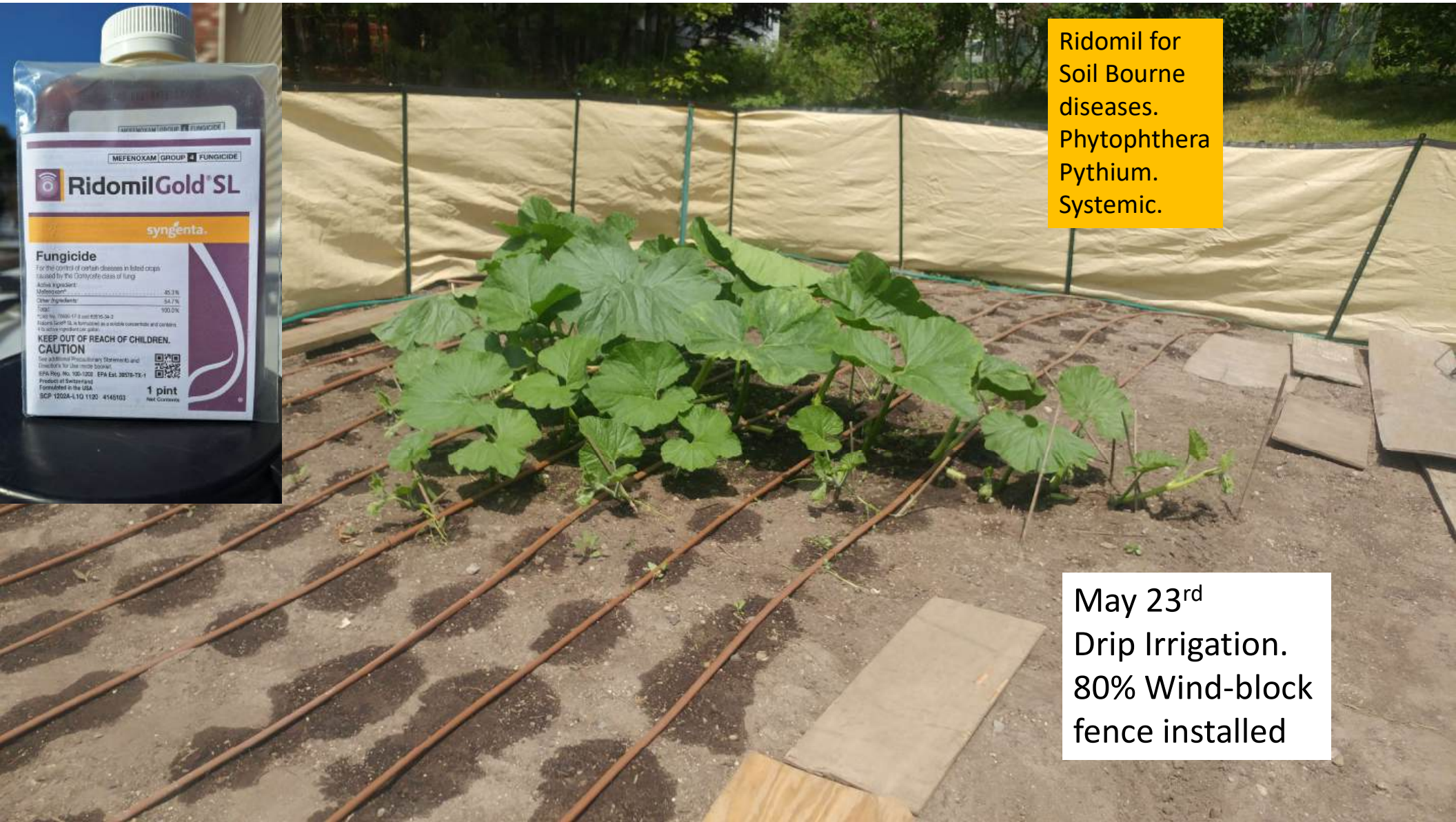


Fans essential

I really like the 12ft x 12ft Green House. Longer usage on cold night



Ridomil for
Soil Borne
diseases.
Phytophthera
Pythium.
Systemic.



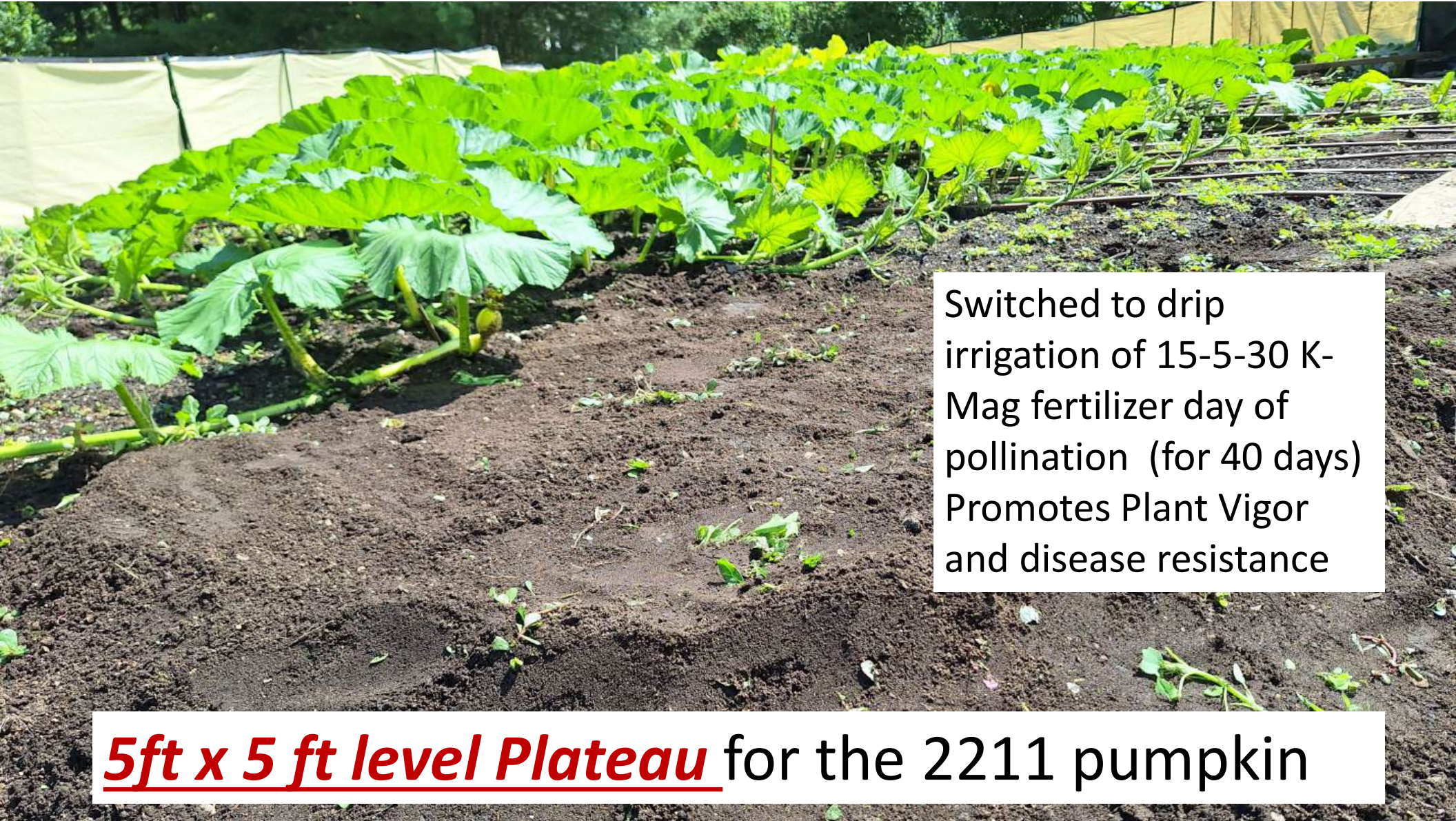
May 23rd
Drip Irrigation.
80% Wind-block
fence installed



May 24th
3-fer



My Target pollination date is June 10-15, at 17-20 ft out on the Main.



Switched to drip irrigation of 15-5-30 K-Mag fertilizer day of pollination (for 40 days) Promotes Plant Vigor and disease resistance

5ft x 5 ft level Plateau for the 2211 pumpkin



June 20th 6 DAP
2501 Bernstrom x 2222 Gienger
19 ft out on main vine.

Added 4ft x 4ft x $\frac{3}{4}$ Plywood to grow 2211 pumpkin on, with mill cloth.



June 26th
2222Gienger x 2501

Blossom starting to point down.
Possible blossom under scenario is happening.

July 1st
2222 x 2501
Blossom going under





Aug 4th
2222 x 2501
Taping 1811 lbs
Blossom under and
Blossom rot.
DARN!!



White specs = fungicide

Side view...So sad to lose this one...

With a trained eye and a ramp some growers proactively prevent blossom under.
Small pumpkins are pliable. Cells slide on each other and reset the center of gravity.







Became the
2211 Connolly

June 26th 13 DAP
2501 Bernstrom x 2222 Gienger
19 ft out on main