

# Grow Better, Not Bigger

4 keys to growing *more productive* plants

Presenter: Ricky Seiler







2003





2009





2023

BETTER  
**TOGETHER**  
FARM





BETTER  
**TOGETHER**  
FARM



...Farmers should not think that agriculture is a business that is not elevated enough for their sons. Agriculture should be advanced by scientific knowledge. Farming has been pronounced unprofitable.



People say that the soil does not pay for the labor expended upon it, and they bemoan the hard fate of those who till the soil. In this country (Australia) many have given up the idea that the land will pay for working it, and thousands of acres lie unimproved.

But should persons of proper ability take hold of this line of employment, and make a study of the soil, and learn how to plant, to cultivate, and to gather in the harvest, more encouraging results might be seen.



Many say, “We have tried agriculture, and know what its results are,” and yet these very ones need to know how to cultivate the soil, and to bring science into their work.... (ST August 13, 1896, par. 8)



Success



what people think  
it looks like

Success



what it really  
looks like



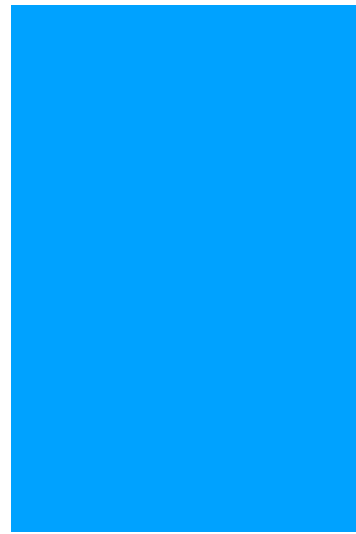
1 acre



BETTER  
**TOGETHER**  
FARM

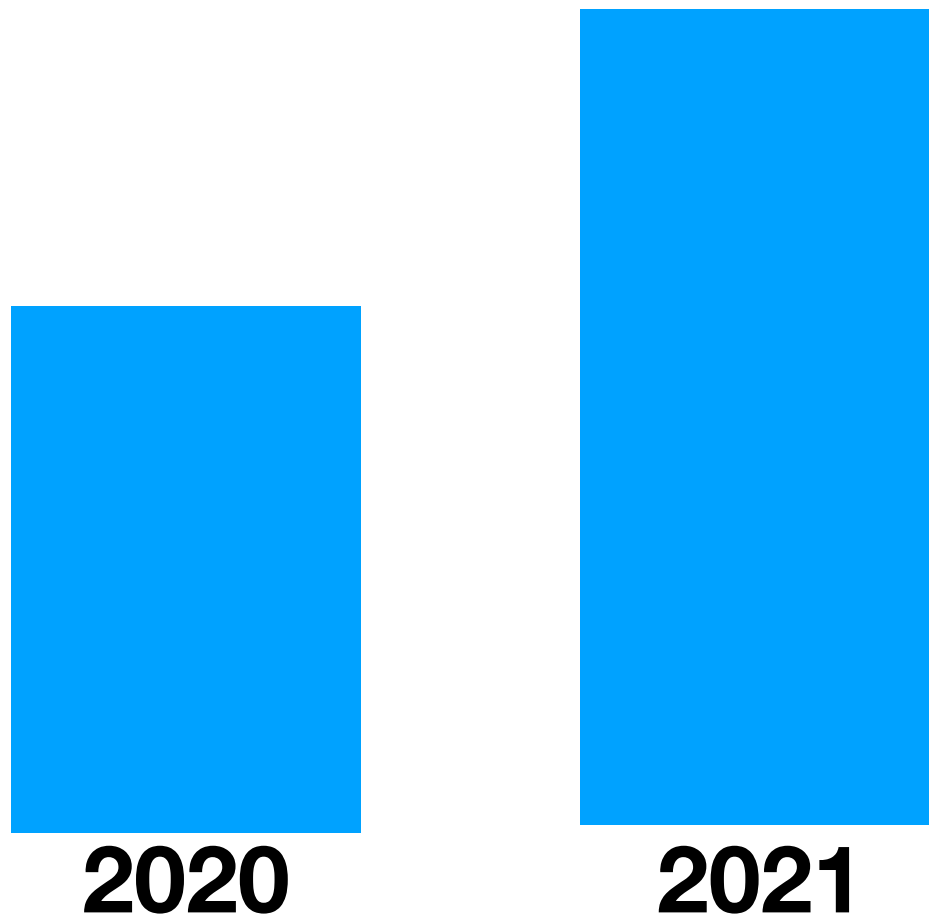


# Gross "Veggie" Sales



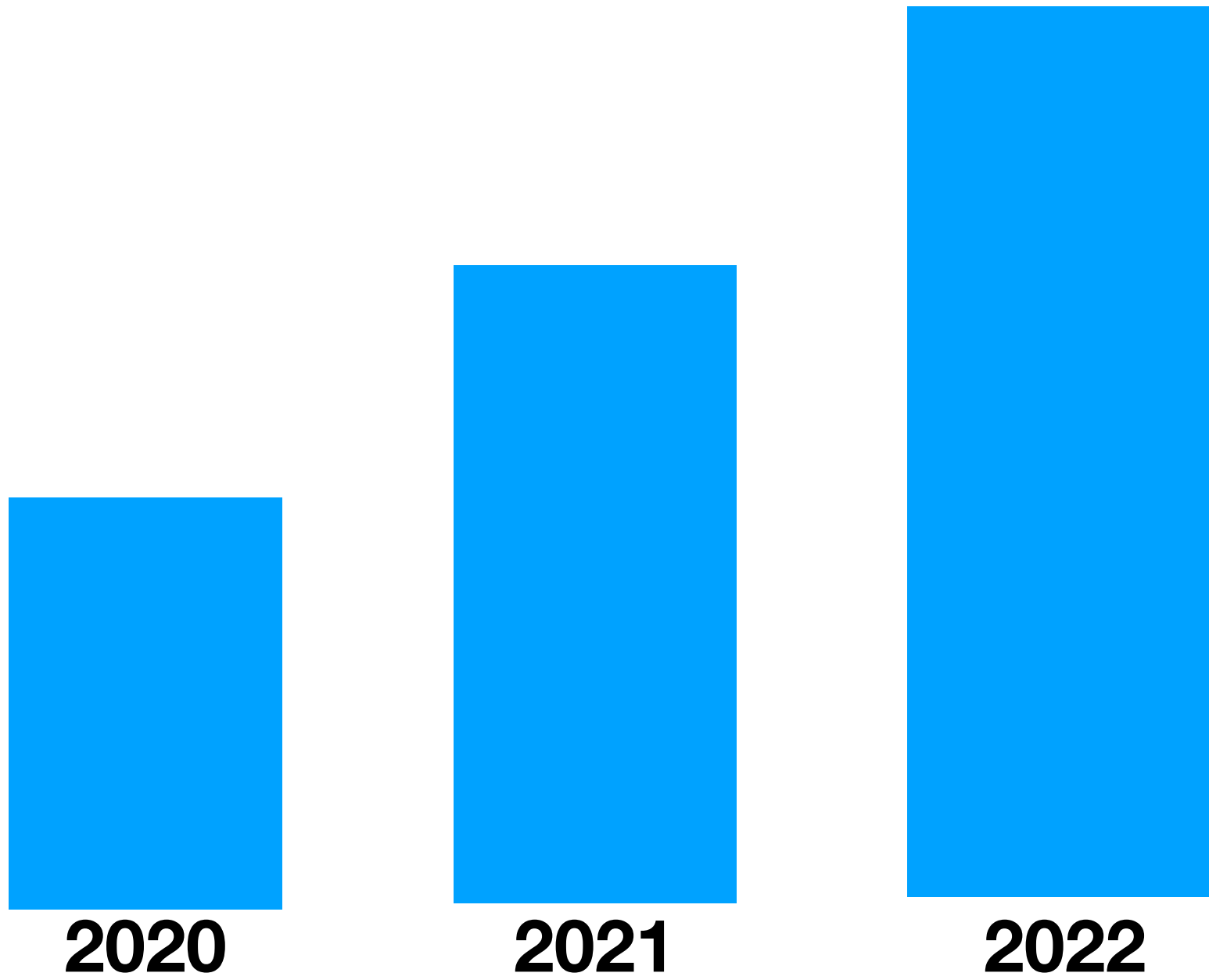
**2020**

# Gross “Veggie” Sales





# Gross “Veggie” Sales



**On the same 1 acre.**



## Key #1

# Starting Strong

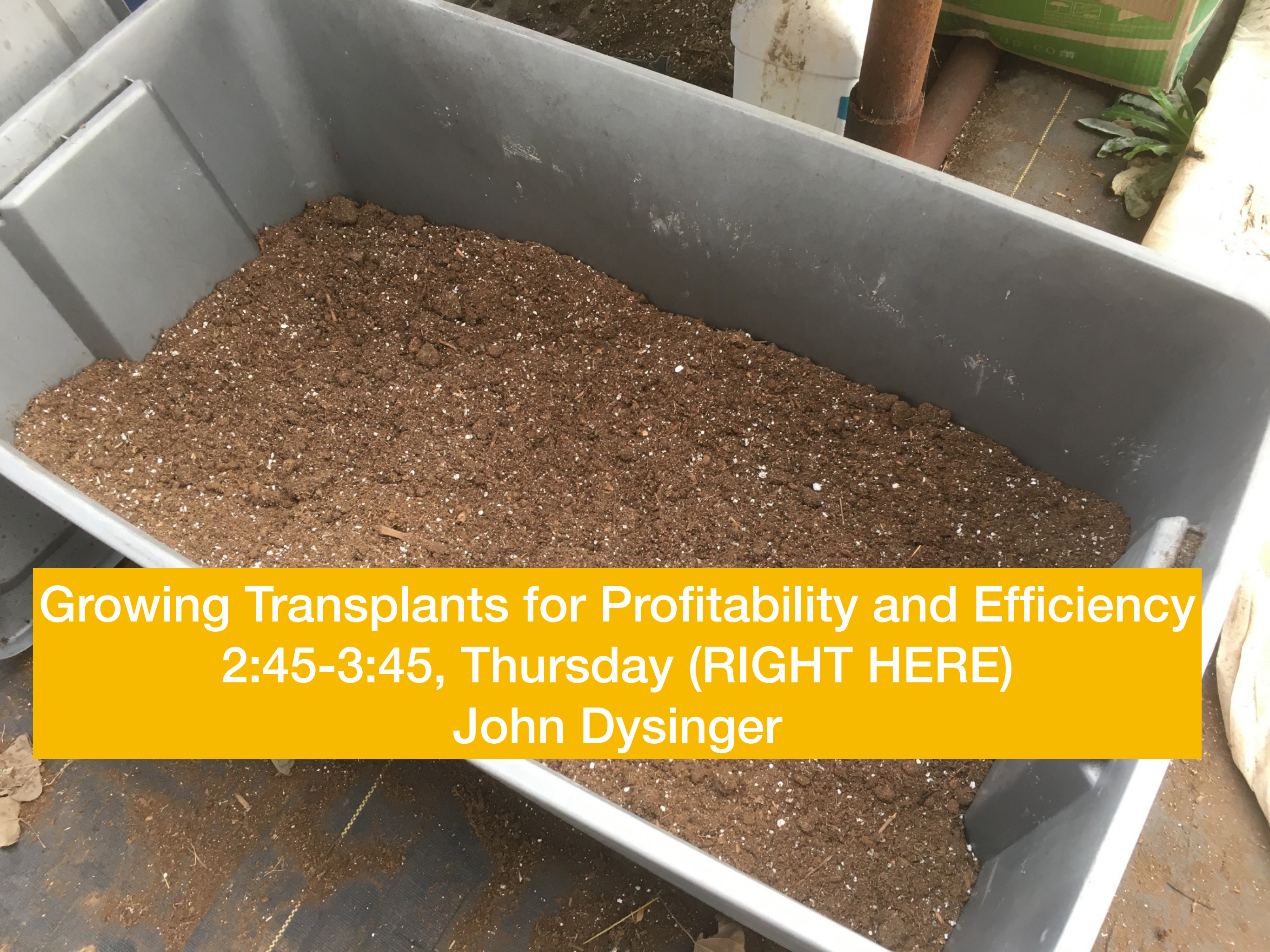
Good Germination and Healthy Transplants

- Seed Starting Mix
- Germination Chamber









**Growing Transplants for Profitability and Efficiency**  
**2:45-3:45, Thursday (RIGHT HERE)**  
**John Dysinger**



A photograph of a homemade germination chamber. The chamber is constructed from old refrigeration panels, which are dark grey and have a metallic texture. It is framed with light-colored wooden planks. The two doors are swung open, revealing the interior. Inside, there is a metal wire rack with several horizontal bars. On top of the chamber, there are several rolls of fabric or paper, some in white and some in blue. The chamber is situated in an outdoor or semi-outdoor area, with a chain-link fence visible on the left and a grey trash bin on the right. A yellow text box is overlaid on the bottom center of the image.

Homemade germination chamber,  
Made from old refrigeration panels.





**It's fitted with an small A/C, heater, fan and humidifier.**





These controllers (INKBIRD) automatically regulate temperature and humidity





**Holds 8000 1" soil blocks**






**“Making a Germination Chamber Demo”**

**10:45 - 11:45 am, Friday,**

**Location: Worship Center Conference Room**

**Mark Chuljian II**



A large greenhouse filled with rows of black plastic seedling trays. The trays are arranged in long, parallel lines. Many trays contain small, young green plants with two leaves, while others are still empty or have just started to sprout. In the foreground, a tray is filled with dark brown soil, with small green seedlings emerging in neat rows. To the right, several red and green plastic pots contain larger, more developed plants with broad green leaves. The greenhouse structure is visible in the background, with metal frames and translucent covering. The lighting is bright, suggesting a sunny day.

Most plants take 2-3 day germination time in the chamber.





**Remove plants right at break through or earlier to prevent “legging.”**





Tip the environment in favor of the plant,  
Change the temperature and humidity in your seed house



A close-up photograph of a white plastic fogger assembly hanging from a metal frame in a greenhouse. The fogger has a cylindrical top with horizontal ridges, a spherical middle section, and a base with two side ports. The background shows the curved metal structure of the greenhouse and rows of green plants supported by a trellis system. A red text box is overlaid on the left side of the image.

**Netafim CoolNet Pro Fogger**







A person wearing a red jacket, a green cap, and glasses is standing in a greenhouse, holding a spray wand and spraying a mist onto rows of seedlings in black trays. The greenhouse has a white plastic covering and a metal frame. The lighting is bright, suggesting a sunny day.

Germination Rate averages 95%  
(except for spinach) :(



A woman wearing a red jacket, a green cap, and glasses is standing in a greenhouse. She is holding a long-handled spray wand and spraying a row of plants in black trays. The plants are small and green. The greenhouse has a white plastic covering and a metal frame. The lighting is bright, suggesting it's daytime. The text "Grow Better, Not Bigger" is overlaid in white on the image.

**Grow Better, Not Bigger**



**Key #2**

# **Grow What You Can Nurture**

Quality is better than quantity

- Our carrot journey





Direct seed carrots ,  
with Jang Seeder, 5 rows to the bed





**Water thoroughly**  
**Cover with silage tarp**  
**White side up - Summer (Aug)**  
**Black side up - Winter (Feb)**  
**Germination can take from 7-14 days**





**Remove silage tarp 2 days before germination and flame weed all the beds. Then cover again until first carrot germination appears.**









**DIG 700 Series  
Mini Sprinkler**

Use low misters to evenly water carrots  
Keep beds *consistently moist* for the first 3-4 weeks  
Use timer on water to cycle on/off depending on dryness.





**DIG Timer**





**If you let baby carrots dry out they will easily die.**



A high-angle photograph of a large-scale carrot cultivation. The image shows multiple long, parallel rows of mature carrot plants with dense, feathery green foliage. The plants are growing in a covered environment, likely a greenhouse or a covered walkway, as evidenced by the dark, possibly plastic-covered ground and the visible structural supports of a roof in the background. The lighting is bright, casting shadows between the rows. A yellow text box is overlaid on the lower-middle portion of the image.

Once carrots get tall, use larger overhead water system



A photograph of a Hunter MP Rotator irrigation system in operation. The system consists of a central pivot point with multiple arms extending outwards, each ending in a wheelhead with multiple nozzles. Water is being sprayed from the nozzles in a circular pattern over a field of green crops. The field is covered with black plastic mulch. In the background, there are trees and a long, covered structure, possibly a greenhouse or tunnel. The sky is clear and blue. A yellow text box is overlaid on the image.

**Hunter MP Rotator**










Carefully using this growing method has bumped our carrot harvest from 175 lbs a bed up to 325 lbs a bed.





Carefully using this growing method has bumped  
our carrot harvest from 175 lbs a bed  
up to 325 lbs a bed.

**Grow Better, Not Bigger**



## Key #2

# Grow What You Can Nurture

Quality is better than quantity

- Our carrot journey
- Raccoons love strawberries more than you do













# Equipment That Works!

From folks who use it...even

[Shop Products](#)

All

Narrow your results by selecting from the options below...

### Species

- Bees** (10)
- Camelids** (4)
- Cattle** (8)
- Deer** (10)
- Dogs** (3)
- Garden & Wildlife** (16)
- Goats** (8)
- Hogs & Pigs** (7)
- Horses** (5)
- Poultry** (8)
- Sheep** (8)

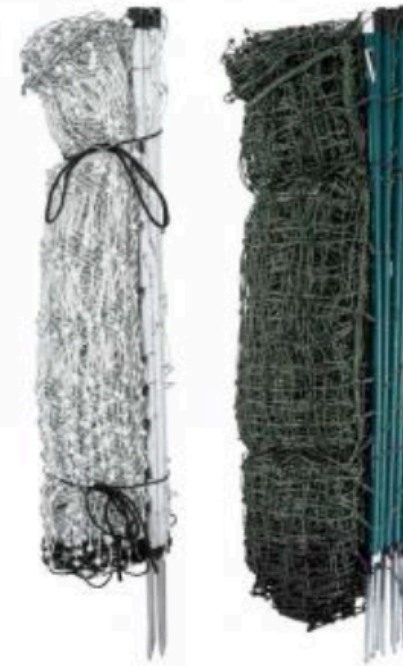
### Price

- \$0 - \$50** (8)
- \$50 - \$100** (2)
- \$100 - \$250** (3)
- \$250 - \$500** (2)
- \$500 - \$1000** (1)

[Home](#) » [Product Search](#)

## Search Results for ss

16 Matches



**VersaNet® Plus 11/30/3  
Electric Netting**

\$129.00





## Key #2

# Grow What You Can Nurture

Quality is better than quantity

- Our carrot journey
- Raccoons love strawberries more than you do
- Winning over weeds...most of the time. :)









Silage Tarp - 6 Mil



## Key #3

# Grow What Is Popular

36 hours of pain for 30 years of happiness

- The rutabaga story
- Discover your high value crops & grow them better



# Key #4

**Grow in Season  
or  
Alter the Environment  
or  
Don't Grow at All**

**“Can You Grow Lettuce, Kale, & Thin-Skinned Cucumbers in the Summer Heat of the South?.”**

**Thursday, 9:30-10:30 am (Right Here)**



Success



what people think  
it looks like

Success



what it really  
looks like