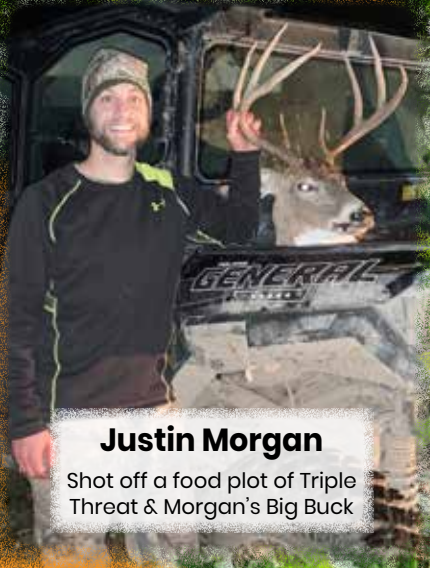


Morgan Composting inc.



HOW TO DRAW IN DEER WITHOUT BAITING



Justin Morgan

Shot off a food plot of Triple Threat & Morgan's Big Buck

- **Soil Testing**
- **Fertilizers**
- **Seeds & Seed Blends**
- **Planting**

Updated August 2023



WHAT TO GROW WHERE TO GROW HOW TO GROW IT

Let Morgan Composting help you navigate **Food Plots** to bait in the big bucks without a bait pile. From start to finish, we have all the tools for a successful plot, even in sandy soils!

1. Start with the soil: getting your soil right & amending
2. Choose the right seeds: trusted favorites & new blends
3. Put it together: equipment & planting
4. Other tips to try: liquid boosts & fruit trees





Start with the soil: getting your soil right & amending

The presence of ferns around your food plot can indicate that your pH is off.

The target pH for growing your food plot is 6.2-7. If necessary, add lime to raise your pH. See the chart below for how much lime to use.

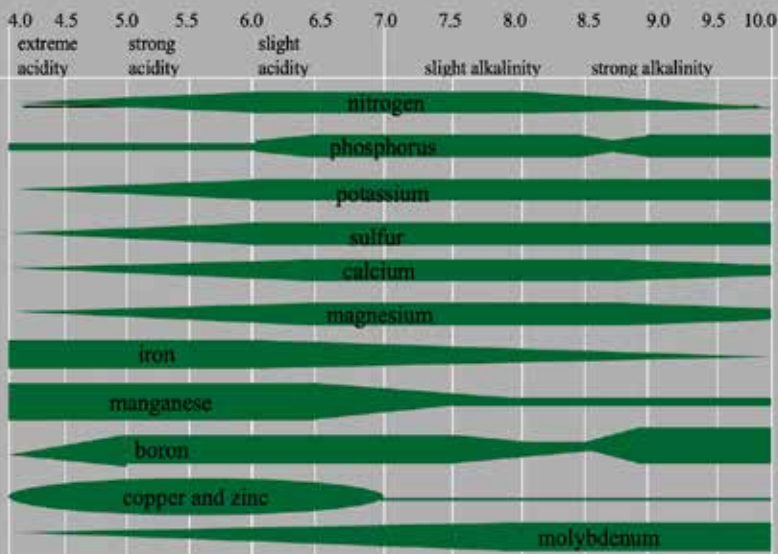
Soil pH	pH 6.5
6.3 - 6.6	0.0 ton/acre
6.0 - 6.2	1.0 ton/acre
5.7 - 5.9	1.5 ton/acre
5.4 - 5.6	2.0 ton/acre
5.1 - 5.3	2.5 ton/acre
<5.1	3.0 ton/acre





According to Cornell University...

Soil pH Has the Greatest Impact on Nutrient Use Efficiency



"Soil pH affects nutrient availability by changing the form of the nutrient in the soil. Adjusting soil pH to a recommended value can increase the availability of important nutrients. Plants usually grow well at pH values above 5.5. Soil pH of 6.5 is usually considered optimum for nutrient availability.

Lower pH increases the solubility of Al, Mn, and Fe, which are toxic to plants in excess. A critical effect of excess soluble Al is the slowing or stopping of root growth.

Extreme pH values decrease the availability of most nutrients. Low pH reduces the availability of the macro and secondary nutrients, while high pH reduces the availability of most micronutrients. Microbial activity may also be reduced or changed."

-<https://nrcca.cals.cornell.edu/nutrient/CA5/CA0539.php>



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We recommend a soil test if possible, so you know what your soil is lacking

How to pull a sample:

You need to send 1 quart of soil for every soil test. Using a soil probe, spade, or trowel, and a clean plastic pail, sample in a zigzag fashion throughout a uniform area.

Take a representative sampling of the soil in the area you are testing, 15-20 subsamples.

Sampling depths are as follows:

Field Soils – 8 inches

Garden Soils – 6 to 8 inches

Lawn – 3 inches below turf



Combine all samples into the plastic pail and mix thoroughly. Fill a soil sample box/bag with the sample, or package about a pint of soil.

Bring or send us your sample for recommendations!

**Morgan
Composting**

**4353 US 10
Sears, MI 49679
231-734-2451**



Morgan Composting ~ Food Plots



Powered by **DAIRY DOO**, Humates & Minerals to Build Organic Matter!

FoodPlotDoo is a quality fertilizer that uses a poultry manure base with extra calcium to promote growth and minerals in plants. It also improves organic matter in the soil, creating better water retention.



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Granulated **FoodPlotDoo** can spread easily with a cone spreader.

FoodPlotDoo is granulated for easy spreading with push, pull, bag, or cone spreaders. Use 600-800lbs per acre for new food plots. For established plots, use 200-400lbs per acre.

Available in 40lb bags, 1 ton super sacks, and bulk.



NEW PLOTS:

One 40lb bag of

FoodPlotDoo

will cover approximately
3,000 sq ft

ESTABLISHED PLOTS:

One 40lb bag of

FoodPlotDoo

will cover approximately
6,000 sq ft



Check out the handheld, tow-behind, and push spreaders available in our retail location!



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NEW in 2024 specifically for clovers and alfalfa!

Morgan Composting Inc.

Great for clovers and alfalfa!

ForageDoo 3-3-10
Granulated

**Specialized Granulated
Fertilizer for Food Plots**

- extra potassium
- organic matter
- minerals

Great source of carbon for your soil!

Use with food plots containing legume-type crops like clover and alfalfa or any other crop requiring large amounts of potassium.

Powered by **DAIRY DOO**

Net Weight 40 lbs. (18.14 kg)
(directions on back)

**THIS BAG COVERS APPROXIMATELY 3,000 SQ FT
OF NEW FOOD PLOT GROUND!**

**Great source of carbon, potassium,
organic matter, and minerals!**



Morgan Composting ~ Food Plots



ForageDoo 3-3-10 is a granulated fertilizer that prepares the soil for any legume-type crop like clover and alfalfa or any other crop requiring large amounts of potassium. Help Mother Nature out by adding organic matter and beneficial nutrients back into the earth with **ForageDoo 3-3-10**. This improves water retention, increases nutrients available for crops, and grows healthier plants to feed that big buck.

Remember, it doesn't matter how great your seeds are if your soil can't support them!

How to Use **ForageDoo 3-3-10**

Mow and then till your food plot. Use a push, pull, bag, or cone spreader to spread this fertilizer at the rates below. This can be applied the same day as lime and seeds. For best results, prepare your food plot right before forecasted rain.

Application Rates:		
	New Plots	Existing Plots
Per Acre:	600-800lbs	400-600lbs
Per 1000 sq ft	14-19lbs	9-14lbs





Morgan Composting ~ Food Plots



WHY NOT 12-12-12 OR 19-19-19?

Petroleum Based

- Price fluctuates, mostly UP!!
- Petroleum hurts soil life/biology. This makes it hard for soil to hold water and cycle nutrients to the plant.

No Long Term Success

- You have to keep applying every year and reapply throughout the year. This gets costly!

Leaching - Loss of Nutrient in Soil

- Whenever it rains, most nutrients leach (drain) into groundwater, thus leaving nothing for your plants.

Because it depletes soil life, there is nothing for nutrients to stick to, so it will go into Michigan's Great Lakes, rivers and streams.

Don't Waste Your Money!

The bottle on the left shows water mixed with a capful of 19-19-19. The bottle on the right shows what water mixed with **FoodPlotDoo** looks like. The 19-19-19 has completely dissolved and will run right through sandy soils. The bottle on the right has organic matter that will hold the fertilizer in place.





Morgan Composting ~ Food Plots



For BIG PLOTS and BIG EQUIPMENT

Try a **DAIRY DOO** Compost Blend on your large food plots. These blends need to be applied using a wet lime spreader.

- High Carbon
- Chicken Manure Based Blend
- Increases Water Retention
- Readily Available Minerals

*Need more calcium? Try Layer Ash Blend
for extra calcium and sulfur benefits.*



Layer Ash Blend

Approx: 2-2-2 8Ca

Layer Manure | **DAIRY DOO** | Sili-K

Application: 1-2 ton per acre

Spreaders Available





Morgan Composting ~ Food Plots



#2) Choose the right seeds: trusted favorites & new blends

*Try Morgan Composting's Special
Blends Handcrafted for Success:*

- **Chicory Mix:**

Chicory & Kale
5-10lbs per acre

- **Deer Pasture:**

Alfalfa & Trefoil
20-30lbs per acre

- **Feather Mix:**

Rye, Buckwheat, Japanese
Millet, Ladino Clover, Buck
Forage Oats, Small Burnet
8-12lbs per acre

- **Grazing Brassica:**

Bonar Rape, Barkant
Turnip, Appin
Turnip, Pasja Hybrid
10-15lbs per acre

*Morgan
Family
Favorite!*

- **Morgan's Big Buck:**

Berseem Clover, Ladino
Clover, Medium Red
Clover, Vernal Alfalfa,
White Dutch Clover
12-15lbs per acre

*Morgan
Family
Favorite!*

- **Ridin' Solo:**

Hybrid seed that matures
early. This forage turnip
and forage rape cross
grows rapidly with a
high leaf to bulb ratio.
Has great regrowth
ability - keeps growing
even after deer start
eating!
8-10lbs per acre





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- **Salad Bar:**

Kale, Red Clover,
White Clover, Ecotill Radish
10-15lbs per acre

**Morgan
Family
Favorite!**

- **Triple Threat:**

Purple Top Turnip, Dwarf
Essex, Rape, Ecotill Radish
10-15lbs per acre

**Morgan
Family
Favorite!**

- **Throw & Pray:**

Rye, Buck Oats, Buckwheat
50-100lbs per acre

- **Top Shelf:**

Winfred Rape, AberLasting
White Clover, Daikon
Tillage Radish, Jumbo
Ladino Clover
10-15lbs per acre

**Morgan
Family
Favorite!**

- **Trump Wall:**

Egyptian Wheat, Sun Hemp,
Sudan Sorghum
15lbs per acre

- **Uncle Buck:**

Crimson Clover, Fixation
Clover, Red Clover, Sweet
Yellow Blossom Clover
12-15lbs per acre





Morgan Composting ~ Food Plots



#2) Choose the right seeds: trusted favorites & new blends

Seed Type	Application Rate per Acre	Annual or Perennial	Planting Date
Alfalfa	12-15 lbs	Perennial	April-Aug
Berseem Clover	12-15 lbs	Annual	June - Mid Aug
Buck Oats	50-100 lbs	Annual	May-Sept
Buckwheat	50 lbs	Annual	June-Aug
Chicory	3-5 lbs	Perennial	June-Early Sept
Chicory Mix	5-10 lbs	Annual	May-Aug
Deer Pasture	20-30 lbs	Perennial	May-Aug
Eco-Til Radish	8-10 lbs	Annual	May-Aug
Feather Mix	8-12 lbs	Annual	May-June
Field Corn	8-12 lbs	Annual	Late May
Forage Kale	8-10 lbs	Annual	July-Sept
Forage Peas	30-50 lbs	Annual	May-July
Grazing Brassica	10-15 lbs	Annual	May-Aug
Ladino Clover	5-10 lbs	Perennial	May-Sept
Lentil Beans	50-100 lbs	Annual	Mid May-Mid Aug
Medium Red Clover	6-15 lbs	Perennial	May-Aug
Morgan's Big Buck	12-15 lbs	Perennial	May-Aug
Purple Top Turnips	5-10 lbs	Annual	May-Aug
Rapeseed	4-8 lbs	Annual	May-Sept
Ridin' Solo	8-10 lbs	Annual	Spring & Fall



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Seed Type	Application Rate per Acre	Annual or Perennial	Planting Date
Rye	50-100 lbs	Annual	May-Oct
Salad Bar	10-15 lbs	Both	May-Sept
Sorghum	8-10 lbs	Perennial	May-June
Soybeans	40 lbs	Annual	Mid May-June
Sugar Beet Seed	10-15 lbs	Annual	May-June



Seed Type	Application Rate per Acre	Annual or Perennial	Planting Date
Sun Hemp	30-50 lbs	Perennial	May-June
Throw & Pray	50-100 lbs	Annual	May-Sept
Top Shelf	10-15 lbs	Both	May-Aug
Tre-Foil	4-5 lbs	Perennial	May-Aug
Triple Threat	10-15 lbs	Annual	June-Aug
Triticale	50-100 lbs	Annual	May-Oct
Trump Wall	15 lbs	Annual	April-May
Uncle Buck	12-15 lbs	Perennial	May-Sept
Wheat	50 lbs	Annual	Aug-Oct
White Dutch Clover	8-12 lbs	Perennial	June-Aug



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WHICH SEED BLEND IS RIGHT FOR ME?

Deer are like humans- they don't want to eat the same thing every day. Instead, give them a buffet to choose from to keep them coming back to you.

Some thoughts to consider:

- what are people planting around me that the deer already have access to?
- is there a high density of deer in my area?
- do I have a small or large plot to work with?
- is my soil already top-notch or am I still building soil health?



For smaller plots with a lot of deer go with a clover mix like Morgan's Big Buck or Uncle Buck. As the deer eat it down it will regrow.



For weak, sandy soils that you are still trying to build up, use Uncle Buck or Throw & Pray.



For larger plots go with a brassica mix like Triple Threat or Grazing Brassica. Triple Threat is especially great for archery season hunting.



Top Shelf is the ultimate mix of clovers and brassicas in one.



Chicory Mix includes chicory and kale- something not a lot of hunters plant. This is a great option if you know there are already a lot of food sources for your deer.





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#3) Put it together: equipment & planting



'The Ultimate Planting Machine, The Plotmaster™, by Plotmaster Systems LLC., with it's patented design is the complete package for your plot planting needs. **The Plotmaster™ Hunter 300** (3-ft model) will reach places you've only dreamed of planting plots. It's easy and simple with the **Plotmaster™**.

Recommended use: ATV - 500CC or Larger - 4 Wheel Drive

Unit Includes:

Unique Down Pressure System for the 1 point Hitch, Disc Harrow, Electric Versa Seeder, *NEW* Linear Lift System (18 second retraction/extension), Cultipacker/Drag with Metal Grating. (Units can also be converted for use with Tractor 3 PT. Cat. 1)

Dimensions:

- Folded Length: 68"
- Hitch Extended: 99"
- Machine Width: 38"
- Wheel Width: 54"
- Overall Height: 40" (Lowered Position)
- Overall Height: 48" (Raised Position)
- Weight: 626#

Disc Harrow:

- 10 Heavy-Duty 16" Notched Disc with Sealed Bearings
- Maximum cutting width: 36"

Versa Seeder System:

- New, Patent-Pending Versa Seeder, Reverse Auger Brush System designed to plant all types of seeds and seed blends.



HUNTER 300

Turning PLOW

Grain Drill

AVAILABLE ATTACHMENTS

- CHISEL PLOW (works on 3' or 4' units)
- TURNING PLOW (works on 3' or 4' units)
- 3" GRAIN DRILL (works on 3' units only)

Chisel Plow



#4) Other tips to try: liquid boosts & fruit trees

Make mid-season corrections with one of our Blasters-
powerful liquid fertilizers that give your plants a boost!



- Micronutrients
- Liquid Carbon
- High Nitrogen
- Soil Improvement
- Water Retention

Rate of Application:
2.5 gallon per acre
with 15 - 25 gallons of
water, every 4 weeks.

ForageBlast works great on:

- | | |
|---------------|-----------------|
| • Rye | • Rapeseed |
| • Forage Oats | • Chickory |
| • Radish | • Field Corn |
| • Turnip | • Triple Threat |
| • Kale | • Trump Wall |

Morgan Composting



Premium Liquid Fertilizer for Food Plots.

Use on grasses, such as oats, rye
and wheat, sudangrass, et...

2.5 gallon



#4) Other tips to try: liquid boosts & fruit trees



- Liquid Carbon
- Mineral Pack
- Soil Improvement
- Water Retention

Rate of Application:
2.5 gallon per acre with
15 - 25 gallons of water,
every 4 weeks.



AlfaBlaster works great on:

- Alfalfa
- Clover
- Peas
- Soybeans
- Morgan's Big Buck
- Uncle Buck

Morgan Composting

From the Makers of
DAIRYDOO!



Premium Liquid Fertilizer for Food Plots.

Use on alfalfa, brassicas, clover and
other forbs

2.5 gallon



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To plant or not to plant?

Everyone knows that deer love apples, so yes!

Be sure to pick a cold-hardy type,
suitable for Michigan's winter climate!

- | | | |
|--------------|--------------------|-----------------|
| • Cortland | • Golden Delicious | • McIntosh |
| • Empire | • Honeycrisp | • Northern Spy |
| • Fuji | • Ida Red | • Paula Red |
| • Gala | • Jonagold | • Red Delicious |
| • Gingerbold | • Jonathan | • Rome |

How to Use **Tree'nShrub**

Dig a hole twice the size of your new tree's root ball. Mix equal parts **Tree'nShrub** mix with existing soil and fill around plant. Topdress around the tree with additional **Tree'nShrub** mix, extending out to about the radius of the plant's next year of canopy growth.

For existing trees/shrubs: Topdress around the plant's base with **Tree'nShrub** mix, extending out to about the radius of the plant's next year of canopy growth. Repeat 1-2 times a year.

Use **Tree'nShrub** when planting your tree to give it the best start possible! After your tree is starting to produce fruit, feed your tree with **FruitBlaster** for better yields!





Morgan Composting ~ Food Plots



Get Results!



Results

"Huge shout out to Brad & Justin Morgan and all the fine folks at Morgan Composting Inc who helped us transform the 5 acre clear cut we did this summer. We've had great success with the small deer plots but now we have a well thought out destination plot that will help

provide forage all year long to complement the entire habitat improvement program we have in place here at the Dead Creek Co-Op!"

Starting to Grow



Before





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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Morgan Composting ~ Food Plots



POWERED BY **DAIRY DOO®**

Morgan Composting's **DAIRY DOO** products provide ample amounts of nutrient, organic matter, carbon, and diverse biology to help your soils *restore* and *reserve* nutrients that are natural to plant growth.

FUN FACT: In fertile soils, the water required to produce one bushel of corn is 425 gallons. In poor soils, one bushel of corn requires 20,000 gallons of water.

**TO DRAW THE BIG
BUCKS NEAR YOU,
VISIT **DAIRY DOO®****

231-734-2451

4353 US 10

Sears, MI 49679

dairydoo.com

Morgan Composting™

