

HUNTER SERIES

(SINGLE POINT AND 3 POINT HITCH) MODELS

USERS MANUAL, SAFETY INSTRUCTIONS &
PLANTING TIPS



A PRODUCT OF

PLOTMASTER™ Systems, LLC.
Wrightsville, GA 31096

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**Here you will find some answers to questions you may have regarding
the “PLOTMMASTER” Hunter 300, 400 and the Plotmaster PM600**

Q. What type seeds can I plant with the *PLOTMMASTER™* ?

You can plant a wide variety of seeds, from very small seeds (clover, rape, chicory, etc.) to large seeds (up to the size of soybeans, peas or corn). With the Versa Seeder you can also plant Native Warm Season Grasses, (NWSG) See seed charts located on pages 22 and 23.

Q. What is the weight of the *PLOTMMASTER™* ?

The Hunter 300~616# empty, Almost 654# with seed in the seeder. The Hunter 400~666# empty almost 706# with seed in the seeder. The PM600~1378# empty, almost 1450# with seed in the seeder.

Q. What are the dimensions of the *PLOTMMASTER™* ?

Hunter 300~Width: 38"~Length: 68"~Height: 42"

Hunter 400~Width: 48"~Length: 68"~Height: 42"

Hunter 600~Width: 80"~Length: 124"~Height: 47"

Q. Will the *PLOTMMASTER™* Hunter 300, 400 fit in the back of a truck?

Yes, with the tongue folded back it will easily fit in a small pickup truck.

Q. Are spare parts available?

Yes. We have a complete inventory of spare parts. We also have customer service personnel that can assist you with any problems you may have.

Q. Will the *PLOTMMASTER™* cut really hard soil?

Yes, Due its weight-to-size ratio, the PLOTMMASTER™ has more pounds per square inch cutting capacity than most 8' to 10' drag harrows. (Sold separately are 3 Plow Attachments)

Q. How wide does the *PLOTMMASTER™* unit's disc?

The Hunter 300 will break a maximum of 36" wide, The Hunter 400 will break a maximum of 48" wide, The Hunter 600 will break and plow a maximum of 72" wide.

Q. How do you ship the *PLOTMMASTER™*

We currently ship the PLOTMMASTER™ throughout the United States using common LTL carriers, but we also have a number of dealers and distributors throughout the US. We ship our units fully assembled and ready to use with minimal set-up.

Q. What is the warranty for the *PLOTMMASTER™*

The “PLOTMMASTER”, Hunter 300, 400, and 600 are all warranted for one year against manufacturing defects.

Q. Will Plotmaster Systems, LLC. offer future products?

Yes, we have several products on the drawing board to be announced soon!!

READ OPERATING INSTRUCTIONS CAREFULLY BEFORE USE!!!

- **DO NOT** OPERATE *PLOTMMASTER™* OVER 10 MPH.
- **DO NOT** SIT, STAND OR RIDE ON THE *PLOTMMASTER™* WHILE IN USE
- MAXIMUM CAPACITY OF HUNTER SERIES SEEDER
40 LBS OF “SEED” - H-300
60 LBS OF “SEED” - H-400
- **DO NOT** PUT HANDS IN SEED BOX WHILE SEEDER MOTOR IS IN THE ON POSITION.
- **DO NOT** PUT LIME OR FERTILIZER IN SEEDER.
**Adding lime or fertilizer to your seeder will void any warranty of parts associated with the seeding system.
Fertilizer is a corrosive and can cause premature failure of seeder components. In addition the density of lime and fertilizer is much greater than seed. Seed is far more lofty and will not compact around your Versa Seeder Brush and cause damage to your seed motor like lime/fertilizer can**
- **DO NOT** OPERATE YOUR *PLOTMMASTER™* ON INCLINES GREATER THAN 10°.

READ OPERATING INSTRUCTIONS CAREFULLY BEFORE USE!!!

- KEEP HANDS AND FEET CLEAR WHEN RAISING AND LOWERING UNIT.
- KEEP HANDS AND FINGERS CLEAR WHEN RAISING OR LOWERING THE DRAG AND/OR CULTIPACKER TO AVOID PINCHING.
- THE HUNTER SERIES (1 POINT HITCH MODEL) **"IS NOT"** RECOMMENDED FOR USE WITH TRACTORS.
- *PLOTMASTER™* IS DESIGNED FOR OFF ROAD USE ONLY. **"DO NOT"** TOW ON PUBLIC ROADWAYS!!
- MAKE SURE THAT THE BATTERY CLIPS ARE CONNECTED TO THE PROPER TERMINALS TO AVOID DAMAGE TO YOUR ELECTRICAL SYSTEM AND/OR YOUR ATV

(RED POSITIVE TERMINAL—BLACK NEGATIVE TERMINAL)

- ***AVOID COMING IN CONTACT WITH ANY OTHER METAL PARTS ON THE ATV WHEN CONNECTING THE BATTERY CLIPS TO YOUR BATTERY***

DETAILS ABOUT YOUR PLOTMASTER™ HUNTER SERIES

The Mainframe and it's attachments are made of heavy gauge steel components. (Drag, Cultipacker Roller, Seeder Assembly).

(refer to the diagram on page 8 to locate each of the below listed)

(A. Receiver)

Each Electric *PLOTMASTER™* comes with a 1-point hitch hook-up that connects directly to your ATV or UTV. This hitch is designed to fit, 1 7/8" up to a 2" trailer ball. (this adjustment can be made by loosening or tightening the nut on the under side of the hitch).

- If you are using a UTV you will need to purchase a 6 wire 10' extension, the extension will give the extra length needed to get the control box to the cab of the vehicle. (PT# HE-2009)

(B. Top Link hook-up)

The Down Pressure System is designed so the user can apply disc pressure to either the front or the rear of the unit. (recommended level to plant).

(C. Cultipacker Roller)

The roller is designed for compaction of the soil over the seed for greater germination of what has been planted. The roller can also be used for added weight during tillage.

(D. Electric Jack) (Jack—PT# JE-1-04) (Jack Accessory Cable—PT# HE-2010)

The Electric Jack serves a dual purpose, one is the ability to raise and lower your unit for transport, the other is to gauge the depth of disking and or planting. This is activated by the UP/Down switch on the control box.

(E. Wheel Assembly) (Wheel/Tire—PT# WA-5-06)

The Wheel Assembly is how the unit travels when in transport mode, and is connected to the Electric Jack to raise and lower the unit. ****IMPORTANT** BE SURE TO FILL WHEELS WITH GREASE BEFORE EACH USE TO EXTEND THE LIFE OF THE WHEEL BEARING/BUSHING, WHICHEVER MAY APPLY TO YOUR MODEL.**

(continued next page)

DETAILS ABOUT YOUR PLOTMMASTER™ HUNTER SERIES

(F. Double Gang Assembly)

The Double gang is set in a manner that soil disturbance is substantial, and mimics a “cross cut” effect for greater mixing of all types of the soil.

(G. Seed Flow Control Handle)

The Seed Control Handle allows you to adjust the rate of seed dispensed depending upon the size seed you are planting. The 0-5 Scale helps in determining the width of the opening. Smaller seed will be the low end, 0-1, And Larger seed will be the high end, 4-5.

(H. Electric Seeder)

The Seeder is where your seed is dispensed from;

The H-300 capacity is 40# of seed and the H-400 capacity is 60# of seed.

(we “DO NOT” recommend lime or fertilizer be dispensed through this seeder!)

(I. Seeder Motor) (PT# SA-29-06-A)

The Electric Seeder Motor is activated by the Control Boxes ON/OFF switch. This motor drives the spiral brush that dispenses the seed. (*Versa Seeder*)

(J. Drag Bar Receiver)

This receiver is located on the rear of the unit and is secured by a 1/2 x 3 hitch pin with clip. This is where the Drag Bar and Metal Grating pin.

(K. Drag Bar w/Metal Grating)

The Drag bar and/or Metal grating is used for either leveling uneven areas or for covering smaller seed that only requires a minimal amount of coverage to germinate.

(L. Metal Grating)

The H-300 Grating is 45" W and 24" L ____ The H-400 Grating is 45" W and 24" L

(M. Control Box) NOT Shown (PT# HE-2006)

The Control Box is used to raise and lower the unit and to switch the seeder motor on and off. Replacement Fuse—30 AMP SLOW BLOW FUSE—

Up/Down, On/Off and Fuse Holders can be bought separate.....

DIAGRAM OF HUNTER SERIES



- A. 1—POINT HITCH**
- B. TOP LINK—FOR DOWN PRESSURE**
- C. CULTIPACKER/ROLLER**
- D. ELECTRIC JACK**
- E. WHEEL ASSEMBLY**
- F. DOUBLE DISC / GANG ASSEMBLY**
- G. SEED FLOW CONTROL HANDLE**
- H. ELECTRIC SEEDER BOX**
- I. SEEDER MOTOR W/COVER**
- J. DRAG BAR RECEIVER**
- K. DRAG BAR**
- L. METAL GRATING**

REFER TO PAGES 6 AND 7 FOR MORE DETAILS ON COMPONENTS.

VERSA SEEDER ASSEMBLY



THE “SPLATTER PLATES” ARE DESIGNED TO ALLOW SEED TO SCATTER AND SPREAD EVENLY.

THE PLATES ARE ADJUSTABLE AND CAN DETERMINE THE DIRECTION OF THE SEED WHEN DISPENSING.
VERTICAL; DROPS SEED DIRECTLY BEHIND THE UNIT
HORIZONTAL; SPLATTERS SEED MORE WIDELY.

THE “SPIRAL BRUSH” IS DESIGNED TO MOVE, MIX AND DISPENSE SEED TO THE TEAR DROP HOLES IN THE BOTTOM OF THE SEED BOX.

THIS INSURES AN EVEN DISTRIBUTION OF SEED AS WELL AS BLENDING MIXED SIZED SEEDS.

UNIQUE DOWN PRESSURE SYSTEM



THE “DOWN PRESSURE SYSTEM” IS DESIGNED FOR THE USER TO DISTRIBUTE THE CUTTING PRESSURE OF THE DISC WHERE NEEDED.

THE “TOP LINK” CAN BE ADJUSTED TO PUT MORE CUTTING PRESSURE ON THE FRONT DISC OR CAN BE USED TO APPLY THE PRESSURE TO THE REAR DISC.

WHEN PLANTING THE UNIT SHOULD BE LEVEL TO GET THE CORRECT COVERAGE WITH THE DRAG AND/OR CULTIPACKER.

AVAILABLE ATTACHMENTS

visit www.plotmasters.com for a full list of Hunter Series attachments

Turning Plow

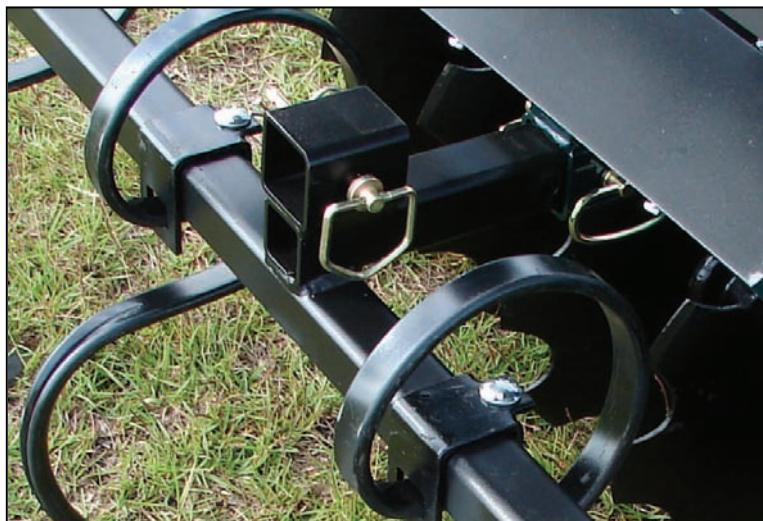


Reversible Tooth Point



Turning Plow Attachment –

This attachment comes with four heavy-duty S-Tines and four turning tips. It is used for increased tillage and for added down pressure. This attachment also works great on breaking up virgin soils and cultivating areas with sod and/or vegetation prior to preparing your plots for planting. These turning tips act like small moldboard plows cutting and turning over sod and/or vegetation which makes it easier for you to cultivate and plant your plots. These turning tips also increase the down pressure on your Plotmaster forcing the discs deeper into your soils for increased tillage. The attachment fits into the rear 2" receiver of all the Hunter units.



Reversible Tooth Spikes/Chisel Plow Attachment-

This attachment comes with four heavy-duty S-Tines and four reversible tooth spikes. This attachment is also used for increased tillage and for added down pressure. It works great to break up hard, compacted soils as well as virgin soils prior to preparing your plots for planting. These extra sharp spikes/chisel points penetrate the soil with ease and increase the down pressure forcing the discs deeper into your soils for increased tillage. The attachment fits into the rear 2" receiver of all the Hunter units.

PLOTMMASTER™ HUNTER 300



Recommended use: ATV---300CC or Larger ---4 Wheel Drive

Unit Includes:

**Unique Down Pressure System for the 1 point Hitch, Disc Harrow, Electric Versa Seeder, Electric Lift System, Cultipacker/Drag with Metal Grating.
(Units also available in 3 PT. Cat. 1)**

Dimensions:

Length: 68" (Partially Folded)

Width: 38"

Height: 42"

Weight: 616#

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.

PLOTMASTER™ HUNTER 400



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, Electric Lift System, Cultipacker/Drag with Metal Grating.
(Units also available in 3 PT. Cat. 1)

Dimensions:

Length: 68" (Partially Folded)

Width: 48"

Height: 42"

Weight: 666#

Disc Harrow:

12 Heavy-Duty 16" Notched Disc with Sealed Bearings
Maximum cutting width: 48"

Versa Seeder System:

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

HUNTER SERIES TRACTOR MODEL HOOK UP



THE HUNTER 300 RECOMMENDED TRACTOR SIZE IS 18 TO 20 HP

THE HUNTER 400 RECOMMENDED TRACTOR SIZE IS 20 TO 40 HP

**AS WITH ALL TILLAGE EQUIPMENT IT IS NOT
RECOMMENDED TO MAKE TURNS WHILE THE
UNIT IS ENGAGED IN THE DISKING POSITION.
THE HUNTER UNIT COME STANDARD WITH A
CATEGORY 1 LIFT PIN**

PLOTMASTER™ HUNTER 400

Tractor Model



Recommended use: 20 to 40 HP Tractors

Unit Includes:

3 point Hitch, Disc Harrow, Electric Versa Seeder, Cultipacker/Drag with Metal Grating.
(Units also available with Electric Lift System/cost is extra)

Dimensions:

Length: 74"
Width: 48"
Height: 42"
Weight: 593#

Disc Harrow:

12 Heavy-Duty 16" Notched Disc with Sealed Bearings
Maximum cutting width: 48"

Versa Seeder System:

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

PLOTMASTER™ HUNTER 300 Tractor Model



Recommended use: 18 to 20 HP Tractors

Unit Includes:

3 point Hitch, Disc Harrow, Electric Versa Seeder, Cultipacker/Drag with Metal Grating.

(Units also available with Electric Lift System/cost is extra)

Dimensions:

Length: 74"

Width: 38"

Height: 42"

Weight: 540#

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.

*****WARNING*****

ALL HUNTER SERIES MODELS
ARE DESIGNED FOR “LEFT”
TURNS ONLY WHILE DISC
ARE IN CUTTING
POSITION!!!

DAMAGE CAN RESULT FROM
“RIGHT” HAND TURNS WHILE
DISC ARE IN CUTTING
POSITION!!

(Single 1 Point Hitch Model)
FOR USE WITH TRACTORS
ADDITION OF 3 PT CONVERTER
IS NEEDED H-PHC-101-08

TWO SEASONS, TWO NUTRITIONAL NEEDS

The whitetail's nutritional needs can be divided into two parts and two needs – warm-season (spring-summer) protein need and cool-season (fall-winter) energy need. Happily, the needs of both bucks and does are virtually identical during both periods, but for different reasons.

Warm-Season “Management” Plots

During the warm season, bucks are in their annual antler growth cycle. They start out having to rebuild muscle and mass lost during the stressful rut and winter. From early spring through summer, protein is of utmost importance in both growing antlers and rebuilding muscle and body mass. If protein is in short supply, the body gets first dibs and antler size suffers. During this time, does also need to regain muscle and body mass lost during the winter. Also like bucks, they need to nourish something growing rapidly – developing fetuses and later nursing fawns. All this takes lots of protein.

If you want more and bigger deer that stay close to home, you've got to plant warm-season plots. You can't have a serious nutritional management program otherwise. Tecolate built its reputation on unsurpassed warm-season products. Typically, legumes are employed to meet warm-season protein requirements. Lablab, cowpeas, soybeans, clover, medics and alfalfa are all legumes. There are annual and perennial legumes, and some type of legume will grow practically everywhere. Chicory, a forb, is right up there with legumes for protein. Though considered a cool-season plant, its heat and drought resistance make it an important protein source during the warm-season. Contrary to popular belief, corn, sorghum and milo are not good summer sources of protein. And brassicas, i.e., rape, kale and turnips, are not good choices for summer protein because of low palatability while actively growing.

Cool-Season “Hunting” Plots

During the cool period, bucks and does need energy to fuel rutting activity and to ward off winter's cold; otherwise, they'll burn muscle and fat and consume body reserves. Retaining more muscle and body mass entering the spring means bigger antlers and healthier fawns. So, cool-season food plots need to both attract deer for hunting and provide lots of energy.

Fast-growing annuals have been the traditional cool-season choice. Cereal grains, such as oats, triticale, rye and wheat, are favorites and excellent sources of energy. In the North, brassicas are popular and will attract deer once “frost-cured” and their sugar content increases. Unfortunately, if you only plant cereal grains, brassicas or any other single species, the nutritional value is largely limited to fall, with little carryover into spring. A much better plan is to include clovers, winter peas, vetch and/or chicory with fast-growing, high-energy annuals. By doing so, you not only get better attraction, but you'll also deliver essential nutrition in late winter/spring, a critical time in deer herds everywhere. That's the logic behind our fall annuals – we added chicory and a variety of legumes to grain-based Max-Attract 50/50 and brassica-based Ultra-Forage. By the way, deer can readily break down protein into energy, thus legumes and chicory are also important sources of fall energy.

How to Calibrate Plotmaster Seeders

To determine the seeding rate for any type seed when using the Plotmaster seeder, you need to know two things: a) seed coverage area and b) the amount of seed used to cover this area.

To determine the seeding rate, you must do the following:

Weigh a small amount of the seed (in pounds) you wish to plant.

Place the small amount of seed that you weighed into seeder hopper

Open the seed gate until the first seed falls out

(open until the first largest seed falls out if it is a seed blend).

Note this seed setting for future reference. Turn on seeder motor.

Plant seed at the desired depth using a constant speed (usually between 4- 8 mph).

Once all the seed has been dispensed out of your seeder, you must now determine the distance (in feet) that you covered (planted) with that amount of seed.

You must also measure the planting width (in feet) of the Plotmaster seeder

Use the following formulas to determine the seeding rate:

$$\text{Seeding Rate} = \frac{\text{Amount of Seed (lbs)}}{\text{Coverage Area (acres)}}$$

$$\text{Coverage Area} = \frac{\text{Distance Covered (feet)} \times \text{Planting Width (feet)}}{43,560 \text{ (square feet in one acre)}}$$

Example:

You are using the Plotmaster 600 has a 5-foot planting width (without grain drill attachment). You weigh 3 pounds of seed and place it in the seeder. You open the seed gate until first seed comes out (ex. setting #5 on the seeder). You travel at the constant speed of 4 mph for a distance of 700 feet before the 3 pounds of seed is completely dispensed. What is your seeding rate?

$$\text{Coverage Area} = \frac{\text{Distance Covered (feet)} \times \text{Planting Width (feet)}}{43,560 \text{ (square feet in one acre)}} = \frac{700 \text{ feet} \times 5 \text{ feet}}{43,560}$$

$$\text{Coverage Area} = .08 \text{ acres}$$

$$\text{Seeding Rate} = \frac{\text{Amount of Seed (lbs)}}{\text{Coverage Area (acres)}} = \frac{3 \text{ lbs}}{.08 \text{ acres}} = 37.5 \text{ lbs per acre}$$

Note: You can increase your seeding rate by increasing the opening or seed setting on your seeder (ex. going from setting #5 to setting #6) or by decreasing your speed of travel (ex. going from 4 mph to 3 mph).

You can decrease your seeding rate by decreasing the opening or seed setting on your seeder (ex. going from setting #5 to setting #4) or by increasing your speed of travel (ex. going from 4 mph to 5 mph).

Each time you change the type of seed used, seeder settings and/or your speed of travel, you will change your seeding rate. Therefore, you must recalculate your seeding rate each time you change seed types, seeder settings and/or speed of travel.

Hunter 300 Seed Chart

Seed	Ibs per Acre	Gate Setting	Speed
Alfa-Feast	10	1.5	3.5
Alfalfa	18	3.5	5
Buckbean	6.5	2.5	2.5
Bucks and Bosses	8	2.5	4
Chicory	3	2.5	3.5
Clovers	10	1.5	3.5
Cow Pea	25	2.5	4.5
Lablab	20	4.5	4
Lablab Plus	20	4.5	4
Max Attract 50/50	40	5.5	4
Millet	10	1.5	3
Monster Mix	8	1	3
Oats	128	4.5	2.5
Pea Patch	20	5	4.5
Rye	168	6	1.5
Rye Grass	25	4.5	3.5
Sorghum	30	3.5	3
Soybean	70	4	2.5
Sunflowers	25	5	4
Ultra Forage	9	3.5	5
Upland Gamebird	20	5.5	5.5
Wheat/Triticale	80	4	3
NWGS	Ibs per Acre	Gate Setting	Speed
Blend: Little Blue stem, Big Blue stem, Indian grass, Switch grass, and Partridge Pea	6	7	2.5

Hunter 400 Seed Chart

Seed	Ibs per Acre	Gate Setting	Speed
Alfa-Feast	10	1.5	5
Alfalfa	18	3.5	7
Buckbean	6.5	2.5	3
Bucks and Bosses	8	1.5	4
Chicory	3	2.5	5
Clovers	10	1	4
Cow Pea	25	2.5	5.5
Lablab	20	4.5	6
Lablab Plus	20	4.5	6
Max Attract 50/50	40	5.5	6
Millet	10	1.5	4
Monster Mix	8	1	4
Oats	128	4.5	3.5
Pea Patch	20	5	7
Rye	168	5.5	2.5
Rye Grass	25	4.5	5
Sorghum	30	3.5	4.5
Soybean	70	4	3.5
Sunflowers	25	5	5
Ultra Forage	9	3.5	7
Upland Gamebird	20	5.5	7
Wheat/Triticale	80	4	4
NWGS	Ibs per Acre	Gate Setting	Speed
Blend: Little blue stem, Big Blue stem, Indian grass, Switch grass, and Partridge Pea	6	7	5

GIVE US YOUR FEED BACK

THE PLOTMASTER™ CAN BE FOUND ON THE WEB AT:

www.plotmasters.com

e-mail cookrl111@bellsouth.net

Or

Drop us a line at:

Plotmaster™ Systems, LLC.

PO Box 111

Wrightsville, Ga. 31096



**PLOTMMASTER™ SYSTEMS, LTD. PROVIDES A
ONE-YEAR WARRANTY AGAINST ANY
MANUFACTURER'S DEFECTS.**

**PRODUCT NOT WARRANTIED AGAINST
CUSTOMER MISUSE OF PRODUCT.**

**BE SURE TO FILL OUT AND RETURN YOUR
WARRANTY CARD ACCOMPANIED BY THE
SERIAL# (LOCATED ON THE FRONT, LEFT SIDE OF YOUR UNIT)**