Read the operator manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

Illustrations may show optional equipment not supplied with standard unit.
Machine Identification

Record your machine details in the log below. If you replace this manual, be sure to transfer this information to the new manual.

If you or the dealer have added options not originally ordered with the machine, or removed options that were originally ordered, the weights and measurements are no longer accurate for your machine. Update the record by adding the machine weight and measurements with the option(s) weight and measurements.

<table>
<thead>
<tr>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial Number</td>
</tr>
<tr>
<td>Machine Height</td>
</tr>
<tr>
<td>Machine Length</td>
</tr>
<tr>
<td>Machine Width</td>
</tr>
<tr>
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<tr>
<td>Year of Construction</td>
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<tr>
<td>Delivery Date</td>
</tr>
<tr>
<td>First Operation</td>
</tr>
<tr>
<td>Accessories</td>
</tr>
<tr>
<td>Accessory 1</td>
</tr>
<tr>
<td>Accessory 2</td>
</tr>
<tr>
<td>Accessory 3</td>
</tr>
</tbody>
</table>

Dealer Contact Information

Name: 
Street: 
City/State: 
Telephone: 
Email: 
Dealer’s Customer No.: 

⚠️ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Important Safety Information</td>
<td>1</td>
</tr>
<tr>
<td>Safety Decals</td>
<td>5</td>
</tr>
<tr>
<td>Introduction</td>
<td>10</td>
</tr>
<tr>
<td>Owner Assistance</td>
<td>11</td>
</tr>
<tr>
<td>Further Assistance</td>
<td>11</td>
</tr>
<tr>
<td>Preparation and Setup</td>
<td>12</td>
</tr>
<tr>
<td>Pre-start Checklist</td>
<td>12</td>
</tr>
<tr>
<td>Tractor Requirements</td>
<td>12</td>
</tr>
<tr>
<td>Hitching Tractor to the Drill</td>
<td>12</td>
</tr>
<tr>
<td>Hydraulic Hookup</td>
<td>13</td>
</tr>
<tr>
<td>Leveling Drill</td>
<td>13</td>
</tr>
<tr>
<td>Operating Instructions</td>
<td>14</td>
</tr>
<tr>
<td>Pre-start Checklist</td>
<td>14</td>
</tr>
<tr>
<td>Field Operation</td>
<td>15</td>
</tr>
<tr>
<td>Shaft Monitor Operation</td>
<td>15</td>
</tr>
<tr>
<td>Transporting</td>
<td>15</td>
</tr>
<tr>
<td>Transporting with Markers</td>
<td>15</td>
</tr>
<tr>
<td>Acremeter Operation</td>
<td>16</td>
</tr>
<tr>
<td>Parking</td>
<td>16</td>
</tr>
<tr>
<td>Adjustments</td>
<td>17</td>
</tr>
<tr>
<td>Gauge-Wheel Adjustment</td>
<td>17</td>
</tr>
<tr>
<td>Spring-Loaded/Slotted Links</td>
<td>18</td>
</tr>
<tr>
<td>Adjusting Seeding Depth</td>
<td>18</td>
</tr>
<tr>
<td>Press Wheels</td>
<td>18</td>
</tr>
<tr>
<td>Down-Pressure Springs</td>
<td>18</td>
</tr>
<tr>
<td>Disc Blade Adjustments</td>
<td>19</td>
</tr>
<tr>
<td>Adjusting Disc Contact</td>
<td>19</td>
</tr>
<tr>
<td>Bedded Irrigation</td>
<td>20</td>
</tr>
<tr>
<td>Disk Scraper Adjustment</td>
<td>20</td>
</tr>
<tr>
<td>Marker Adjustments</td>
<td>21</td>
</tr>
<tr>
<td>Chain Adjustment</td>
<td>21</td>
</tr>
<tr>
<td>Marker Disk Adjustment</td>
<td>21</td>
</tr>
<tr>
<td>Folding Speed Adjustment</td>
<td>22</td>
</tr>
<tr>
<td>Seed-Lok™</td>
<td>22</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>23</td>
</tr>
<tr>
<td>Maintenance and Lubrication</td>
<td>25</td>
</tr>
<tr>
<td>General Maintenance</td>
<td>25</td>
</tr>
<tr>
<td>Marker Maintenance</td>
<td>26</td>
</tr>
<tr>
<td>Bleeding Marker Hydraulics</td>
<td>26</td>
</tr>
<tr>
<td>Storage</td>
<td>26</td>
</tr>
<tr>
<td>Lubrication</td>
<td>27</td>
</tr>
<tr>
<td>Options</td>
<td>29</td>
</tr>
<tr>
<td>Gauge Wheels</td>
<td>29</td>
</tr>
<tr>
<td>Markers</td>
<td>29</td>
</tr>
<tr>
<td>Seed-Cup Plugs</td>
<td>29</td>
</tr>
<tr>
<td>Seed-Lok™</td>
<td>30</td>
</tr>
<tr>
<td>Shaft Monitor</td>
<td>30</td>
</tr>
<tr>
<td>Small Seeds Attachment (27-ft and 30-ft Drills)</td>
<td>30</td>
</tr>
<tr>
<td>Appendix A - Reference Information</td>
<td>31</td>
</tr>
<tr>
<td>Specifications and Capacities</td>
<td>31</td>
</tr>
<tr>
<td>Torque Values Chart</td>
<td>37</td>
</tr>
<tr>
<td>Tire Inflation and Torque</td>
<td>37</td>
</tr>
</tbody>
</table>


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Printed in the United States of America

2020-08-05

118-365M-A
Important Safety Information

Look for Safety Symbol

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

Be Aware of Signal Words

Signal words designate a degree or level of hazard seriousness.

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Prepare for Emergencies

▲ Be prepared if a fire starts
▲ Keep a first aid kit and fire extinguisher handy.
▲ Keep emergency numbers for doctor, ambulance, hospital and fire department near phone.

Be Familiar with Safety Decals

▲ Read and understand “Safety Decals” on page 5, thoroughly.
▲ Read all instructions noted on the decals.
▲ Keep decals clean. Replace damaged, faded and illegible decals.
Wear Protective Equipment

▲ Wear protective clothing and equipment.
▲ Wear clothing and equipment appropriate for the job.
  Avoid loose-fitting clothing.
▲ Because prolonged exposure to loud noise can cause
  hearing impairment or hearing loss, wear suitable
  hearing protection such as earmuffs or earplugs.
▲ Because operating equipment safely requires your full
  attention, avoid wearing radio headphones while
  operating machinery.

Avoid High Pressure Fluids

Escaping fluid under pressure can penetrate the skin, causing serious injury.

▲ Avoid the hazard by relieving pressure before
  disconnecting hydraulic lines.
▲ Use a piece of paper or cardboard, NOT BODY PARTS, to
  check for suspected leaks.
▲ Wear protective gloves and safety glasses or goggles when
  working with hydraulic systems.
▲ If an accident occurs, seek immediate medical assistance
  from a physician familiar with this type of injury.
▲ If an accident occurs, see a doctor immediately. Any fluid
  injected into the skin must be surgically removed within a
  few hours or gangrene can result.

Handle Chemicals Properly

▲ Read and follow chemical manufacturer’s instructions.
▲ Wear protective clothing.
▲ Handle all chemicals with care.
▲ Agricultural chemicals can be dangerous. Improper use
  can seriously injure persons, animals, plants, soil and
  property.
▲ Inhaling smoke from any type of chemical fire is a serious
  health hazard.
▲ Store or dispose of unused chemicals as specified by the
  chemical manufacturer.
▲ Immediately and thoroughly flush any area of the body
  that is contaminated by chemicals.
▲ If chemical is swallowed, carefully follow the chemical
  manufacturer’s recommendations and consult with a
  doctor.
▲ If persons are exposed to a chemical in a way that could
  affect their health, consult a doctor immediately with the
  chemical label or container in hand. Any delay could
  cause serious illness or death.
▲ Dispose of empty chemical containers properly. By law
  rinsing of the used chemical container must be repeated
  three times. Puncture the container to prevent future use.
  An alternative is to jet-rinse or pressure rinse the
  container.
▲ After working with chemicals, wash hands and face before
  eating. Shower when application is completed for the day.
▲ Never wash out the tanks within 100 feet (30m) of any
  freshwater source or in a car wash.
▲ Rinse out the tank. Apply rinse water on last field treated.
Keep Riders Off Machinery
Riders obstruct the operator's view. Riders could be struck by foreign objects or thrown from the machine.
▲ Never allow children to operate equipment.
▲ Keep all bystanders away from machine during operation.

Use Safety Lights and Devices
Slow-moving tractors and towed implements can create a hazard when driven on public roads. They are difficult to see, especially at night.
▲ Use flashing warning lights and turn signals whenever driving on public roads.
▲ Use lights and devices provided with implement

Transport Machinery Safely
Maximum transport speed for implement is 32 km/h (20 mph). Some rough terrains require a slower speed. Sudden braking can cause a towed load to swerve and upset.
▲ Do not exceed 32 km/h (20 mph). Never travel speeds which do not allow adequate control of steering and stopping. Reduce speed if towed load is not equipped with brakes.
▲ Comply with state and local laws.
▲ Do not tow an implement that, when fully loaded, weighs more than 1.5 times the weight of towing vehicle.
▲ Carry reflectors or flags to mark drill in case of breakdown on the road.
▲ Keep clear of overhead power lines and other obstructions when transporting. Refer to transport dimensions under “Specifications and Capacities” on page 31.

Shutdown and Storage
▲ Lower drill, put tractor in park, turn off engine, and remove the key.
▲ Secure drill using blocks and supports provided.
▲ Detach and store drill in an area where children normally do not play.
Tire Safety

Tire changing can be dangerous and must be performed by trained personnel using correct tools and equipment.

▲ When inflating tires, use a clip-on chuck and extension hose long enough for you to stand to one side—not in front of or over tire assembly. Use a safety cage if available.

▲ When removing and installing wheels, use wheel-handling equipment adequate for weight involved.

Practice Safe Maintenance

▲ Understand procedure before doing work. Use proper tools and equipment. Refer to this manual for additional information.

▲ Work in a clean, dry area.

▲ Lower the drill, put tractor in park, turn off engine, and remove key before performing maintenance.

▲ Make sure all moving parts have stopped and all system pressure is relieved.

▲ Allow drill to cool completely.

▲ Disk edges are sharp. Be careful when working in this area.

▲ Disconnect battery ground cable (−) before servicing or adjusting electrical systems or before welding on drill.

▲ Inspect all parts. Make sure parts are in good condition and installed properly.

▲ Remove buildup of grease, oil, or debris.

▲ Remove all tools and unused parts from drill before operation.

Safety At All Times

Thoroughly read and understand the instructions in this manual before operation. Read all instructions noted on the safety decals.

▲ Be familiar with all drill functions.

▲ Operate machinery from the driver’s seat only.

▲ Do not leave product unattended with tractor engine running.

▲ Do not dismount a moving tractor. Dismounting a moving tractor could cause serious injury or death.

▲ Do not stand between the tractor and drill during hitching.

▲ Keep hands, feet and clothing away from power-driven parts.

▲ Wear snug-fitting clothing to avoid entanglement with moving parts.

▲ Watch out for wires, trees, etc., when raising product. Make sure all persons are clear of working area.

▲ Do not turn tractor too tightly, causing drill to ride up on wheels. This could cause personal injury or equipment damage.
Safety Decals

Your implement comes equipped with all lights, safety reflectors and decals in place. They were designed to help you safely operate your implement.

▲ Read and follow decal directions.
▲ Keep lights in operating condition.
▲ Keep all safety decals clean and legible.
▲ Replace all damaged or missing decals. Order new decals from your Great Plains dealer. Refer to this section for proper decal placement.
▲ When ordering new parts or components, also request corresponding safety decals.

To install new decals:
1. Clean the area on which the decal is to be placed.
2. Peel backing from decal. Press firmly on surface, being careful not to cause air bubbles under decal.

Slow Moving Vehicle Decal
818-003C

On back of seed box
1 total

Red Reflectors (27 ft and 30 ft) (S/N 2061E-)
838-614C

On back of walkboard
4 total

Red Reflectors (27 ft and 30 ft) (S/N 2062E+)
838-266C

On back of seed box
6 total
Red Reflectors (37 ft)
838-266C
On back of seed box
8 total

Amber Reflectors (27 ft and 30 ft)
(S/N 2061E-)
838-615C
Both ends at front of drill and on each side of seed box
4 total

Amber Reflectors (all models) (S/N 2062E+)
838-265C
Both ends at front of drill and on each side of seed box
4 total

Daytime Reflectors (27 ft and 30 ft)
(S/N 2061E-)
838-603C
On back of walkboard
4 total
Daytime Reflectors (27 ft and 30 ft) (S/N 2062E+)
838-267C
On back of seed box
6 total

Daytime Reflectors (37 ft) (S/N 2062E+)
838-267C
On back of seed box
8 total

Danger Crushing Hazard
818-590C
On front of drill
2 total

Danger Possible Chemical Hazard
838-467C
Underside of small seeds box lid
1 total
Warning Excessive Speed Hazard
818-188C

On front of drill
1 total

Warning High Pressure Fluid Hazard
818-339C

On front of drill
1 total

Warning Falling Hazard
838-102C

One on end of walkboard by ladder and one on back of walkboard on right-hand side

Caution Tires Not a Step
818-398C

By gauge wheels
2 total
Caution General Safety Three-Point
818-587C
On front of drill
1 total

Caution Tire Pressure and Torque
858-669C
On front of drill
2 total

Notice: General Instructions
858-679C
Small seed option;
2 to 4 total
Great Plains welcomes you to the growing family of new product owners. This implement has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance and safe operating practices will help you get years of satisfactory use from this machine.

Document Family

- 118-365M-A Owner’s Manual (this document)
- 118-365B Seed Rate Charts
- 118-365P-A Parts Manual

Intended Usage
This drill is intend for use in conventional- and some minimum-till applications.

Description of Unit
The 27-, 30-, and 37-foot, three-point drill is a seeding implement designed to be raised, lowered and towed with a three-point tractor hitch. The drill is equipped with offset double-disk openers mounted on the drill frame with straight arms. The openers are staggered for easy residue flow. Down-pressure springs can be adjusted individually for each opener. A T-handle adjustment on the depth-controlling press wheels allows for easy depth adjustment.

When combined with the bedded irrigation option, the drill can be used to seed in furrows and ridges simultaneously.

Models Covered

- 2700-3B30-3210 27 ft 30 inch bedded, 10 inch spacing
- 2700-3B30-4475 27 ft 30 inch bedded, 7.5 inch spacing
- 2700-3B30-5406 27 ft 30 inch bedded 6 inch spacing
- 2700-3B40-3210 27 ft 40 inch bedded 10 inch spacing
- 2700-3B40-4008 27 ft 40 inch bedded 8 inch spacing
- 2700-3P-3210 27 ft 32 row, 10 inch spacing
- 2700-3P-4008 27 ft 40 row, 8 inch spacing
- 2700-3P-4475 27 ft 44 row, 7.5 inch spacing
- 2700-3P-5406 27 ft 54 row, 6 inch spacing
- 3000-3B30-3610 30 ft 30 inch bedded, 10 inch spacing
- 3000-3B30-4875 30 ft 30 inch bedded, 7.5 inch spacing
- 3000-3B30-6006 30 ft 30 inch bedded, 6 inch spacing
- 3000-3B40-3610 30 ft 40 inch bedded, 10 inch spacing
- 3000-3B40-4408 30 ft 40 inch bedded, 8 inch spacing
- 3000-3P-3610 30 ft 36 row, 10 inch spacing
- 3000-3P-4408 30 ft 44 row, 8 inch spacing
- 3000-3P-4875 30 ft 48 row 7.5 inch spacing
- 3000-3P-6006 30 ft 60 row, 6 inch spacing
- 3700-3B30-6075 37 ft 30 inch bedded, 7.5 inch spacing
- 3700-3B40-5608 37 ft 40 inch bedded, 8 inch spacing
- 3700-3P-4410 37 ft 44 row, 10 inch spacing
- 3700-3P-6075 37 ft 60 row, 7.5 inch spacing
- 3700-3P-7406 37 ft 74 row, 6 inch spacing

Using This Manual
This manual is designed to help familiarize you with safety, set-up, operation, adjustment, troubleshooting and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.

The information in this manual is current at printing. Some parts may change to assure top performance.

Store this manual and all other documents for this drill in the document holder at the front of the drill shown in Figure 1.

Definitions
The following terms are used throughout this manual.

Right-hand and left-hand as used in this manual are determined by facing the direction the machine will travel while in use unless otherwise stated. An orientation rose in some line art illustrations shows the directions of: Up, Back, Left, Down, Front, Right.

NOTICE
A crucial point of information related to the current topic. Read and follow the directions to remain safe, avoid serious damage to equipment and ensure desired field results.

NOTE:
Useful information related to the preceding topic.
Owner Assistance

If customer service or repair parts are needed contact your Great Plains dealer. They have trained personnel, parts and service equipment specially designed for Great Plains products.

Your machine’s parts were specially designed and should be replaced with Great Plains parts only. Always use the serial and model number when ordering parts from your Great Plains dealer. The serial number plate is located as shown in Figure 1.

Record your drill model and serial number here for quick reference:

Model Number: _____________________________
Serial Number: ____________________________

Further Assistance

Great Plains Manufacturing, Inc. wants you to be satisfied with your new product. If for any reason you do not understand any part of this manual or are otherwise dissatisfied, please contact:

Great Plains Service Department
1525 E. North St.
P.O. Box 5060
Salina, KS 67402-5060

Or go to www.greatplainsag.com and follow the contact information at the bottom of your screen for our service department.
Preparation and Setup

This section will help you prepare your tractor and drill for use. This section also includes instructions for bleeding the optional marker hydraulics.

Pre-start Checklist

1. Read and understand “Important Safety Information” on page 1.
2. Check that all working parts are moving freely, bolts are tight, and cotter pins are spread.
3. Check that all grease fittings are in place and lubricated. Refer to “Lubrication” on page 27.
4. Check that all safety decals and reflectors are correctly located and legible. Replace if damaged. Refer to “Safety Decals” on page 5.
5. Inflate tires to recommended pressure as listed on “Tire Inflation and Torque” on page 34. Tighten wheel bolts as specified on “Torque Values Chart” on page 34.

Tractor Requirements

Your drill is designed and factory set for category III hitches. Make sure your drill weighs less than 1.5 times tractor weight. See “Specifications and Capacities” on page 31.

Hitching Tractor to the Drill

Crushing Hazard:
You may be severely injured or killed by being crushed between the tractor and drill. Do not stand or place any part of your body between drill and moving tractor. Stop tractor engine and set park brake before installing pins.

1. Raise or lower the 3-point links as needed.
2. Install the lower hitch pins.
3. Pin the top link to the drill and adjust so it remains loose in normal field conditions.
4. Check that all three-point links are securely pinned, then slowly raise the drill. Watch for interference.
5. Unpin the parking stands. Rotate the stands up into field position and repin. Refer to Figure 2.

Do not use petroleum based products on feeder cup or small grass cup components.
Hydraulic Hookup

**WARNING**

**High Pressure Fluid Hazard:**
Relieve pressure before disconnecting hydraulic lines. Escaping fluid under pressure can have sufficient pressure to penetrate the skin causing serious injury. Use a piece of paper or cardboard, NOT BODY PARTS, to check for leaks. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. If an accident occurs, seek immediate medical attention from a physician familiar with this type of injury.

*Refer to Figure 3*

Great Plains hydraulic hoses are coded to help you hookup to your tractor outlets. To distinguish hoses on the same hydraulic circuit, refer to plastic hose grips. Connect hose under extended cylinder to outlet you choose for cylinder extension. Connect hose under retracted symbol to outlet for cylinder retraction.

---

Leveling Drill

Gauge-wheel adjustments affect the operating height of your drill, and drill height directly affects the working range of the openers. The drill must be adjusted so your openers can travel up and down and follow the ground contour.

Before using in the field, adjust your drill so the opener mount tube runs 18 ¼ inches from tube bottom to ground level. You likely will need to make further adjustments later to compensate for field conditions. Refer to “Gauge-Wheel Adjustment” on page 17 for how to make gauge-wheel adjustments.
Operating Instructions

The following section will give you general operating procedures. Experience, machine familiarity, and the following information will lead to efficient operation and good working habits. Always operate farm machinery with safety in mind.

Pre-start Checklist

1. Carefully read “Important Safety Information” on page 1.
2. Lubricate the drill as indicated under “Lubrication” on page 27.
3. Check all tires for proper inflation as indicated on “Tire Inflation and Torque” on page 34.
4. Check all bolts, pins and fasteners. Torque as specified on “Torque Values Chart” on page 34.
5. Check the drill for worn or damaged parts. Repair or replace them before going to the field.
6. Check hydraulic hoses, fittings and cylinders for leaks. Repair or replace them before going to the field.
7. Rotate both gauge wheels to see that seed cups and drive are working properly and free from foreign material.

WARNING
High Pressure Fluid Hazard:
Relieve pressure before disconnecting hydraulic lines. Escaping fluid under pressure can have sufficient pressure to penetrate the skin causing serious injury. Use a piece of paper or cardboard, NOT BODY PARTS, to check for leaks. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. If an accident occurs, seek immediate medical attention from a physician familiar with this type of injury.

NOTICE
Do not use petroleum based products on feeder cup or small grass cup components.
Field Operation

**CAUTION**

Do not allow anyone to ride on the drill.

1. Hitch the drill to a suitable tractor before filling the drill. Refer to “Tractor Requirements” on page 12 and “Hitching Tractor to the Drill” on page 12. Adjust the top link so it remains loose in normal drilling conditions.

2. Set and calibrate the seeding rate as explained in the Seed Rate Charts Manual.

3. Load box with clean seed.

4. Record the acremeter readout. Subtract the initial reading from later readings to determine acres drilled.

5. Check that the seed-cup-door handles are set the same across the drill. Refer to the Seed Rate Charts Manual.

   ![If you notice excessive cracking on large seeds, adjust all seed-cup doors to a wider setting. Use the widest setting for seed-cup clean out only.]

6. Lift the drill out of the ground when turning at end of the field and for other short turns.

7. Do not back up with openers in ground. If you do, check all openers for clogging.

**Shaft Monitor Operation**

To operate the optional shaft monitor, turn system on by activating on-off switch on monitor head. If the seed-cup shaft stops for 20 seconds or more, an alarm will sound and the light on the monitor will flash.

The 20-second delay is to prevent nuisance alarms when turning at the end of the field. If a failure does occur and the alarm sounds, remember you have traveled for 20 seconds without planting.

Transporting

**WARNING**

Loss of Control Hazard:

Towing the drill at high speeds or with a vehicle that is not heavy enough could lead to loss of vehicle control. Loss of vehicle control could lead to serious road accidents, injury and death. To reduce the hazard, do not exceed 20 mph.

You can transport the drill with a full box of grain, but it is not recommended. The increased weight will make steering more difficult and increase the risk of road accidents.

To maintain steering control, you may need to add ballast to your tractor front end. Refer to your tractor operator's manual for the amount of ballast required.

Before transporting the drill, check the following.

1. Transport only with a tractor of proper size. See “Specifications and Capacities” on page 31.

2. Check that all 3-point hitch links are securely pinned to the tractor.

3. Comply with all federal, state and local laws when traveling on public roads.

4. Plug drill safety lights into tractor seven-pin connector.

5. Remember that the drill is wider than the tractor. Always allow for drill clearance. Refer to the chart below for the transport width of your drill.

<table>
<thead>
<tr>
<th>Model</th>
<th>Transport Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>2700</td>
<td>28 ft</td>
</tr>
<tr>
<td>3000</td>
<td>30.5 ft</td>
</tr>
<tr>
<td>3700</td>
<td>38 ft</td>
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</tbody>
</table>

**Transporting with Markers**

Always transport the drill with the markers folded. Check that the second marker section rests securely on the transport carrier. If it does not, refer to “Marker Adjustments” on page 21 for transport carrier adjustments.
Acremeter Operation

The acremeter counts shaft rotations whenever the shaft is rotating - normally this is only with the implement name lowered and in motion. The meter is programmed to display rotations as acres or hectares, when using all rows, factory-specified tires and tire inflations.

**NOTE:**
Unusual conditions and/or non-standard row spacings can cause the acremeter tally to vary somewhat from actual acres planted.

*Refer to Figure 5*

Acremeters supplied with implement names have varied over time. For operational details (modes, resets, calibration), see the manual supplied with the acremeter:

Meter Style and Manual

(1) 152-325M  
(2) 152-314M

Parking

*Refer to Figure 6*

Unhitching the drill while the box is loaded is not recommended. Empty the box if possible. See “Storage” on page 26 for additional information on long-term storage.

1. Park on a level, solid area.
2. Unpin and rotate the parking stands down into the parking position. Replace pins. If the ground is soft, place a board under the parking stand to increase ground contact area.
3. Lower the drill to the ground.
4. Extend or retract the top link until the top 3-point pin is free. Remove the pin.
5. Remove pins from the lower links.
Gauge-Wheel Adjustment

Refer to Figure 7

Gauge-wheel adjustments affect the operating height of your drill, and drill height directly affects the working range of the openers. The drill must be adjusted so your openers can travel up and down and follow the ground contour.

Adjust the frame height as needed to allow openers to run parallel to the ground when in seeding position.

To adjust drill height:

1. Loosen the jam nut near the bottom clevis of each gauge-wheel turnbuckle.
2. Set the turnbuckle length. Turn the turnbuckle to shorten or lengthen as necessary. Initially set the length to 20 3/8 inches between pin centers to achieve the 18 1/4-inch dimension mentioned in “Leveling Drill” on page 13. When adjusting the turnbuckle, remember:
   • Lengthening the turnbuckle raises the drill and allows less downward float of the openers.
   • Shortening the turnbuckle lowers the drill and allows less upward float of the openers.

NOTICE

Remember that lowering the drill increases the risk of opener damage on rocks or obstructions.

3. After adjusting both turnbuckles, be certain they are the same length, then tighten the jam nuts.

Refer to Figure 8

4. After setting the turnbuckles, level the drill with the top hitch link. When the drill is level, the gap between the spring-rod casting and the cross bolt will be about 2 inches. See Figure 8. This is a general dimension that will vary with the amount of down pressure required for your planting conditions.

NOTICE

Do not use the links to adjust opener depth. To achieve desired seeding depth, refer to “Adjusting Seeding Depth” on page 18.
Spring-Loaded/Slotted Links

*Refer to Figure 9*

For some drill applications, you may want to equip your drill with two spring-loaded links (part number 120-106A) or a slotted link (part number 120-171A). Mount the links in the top hole of the gauge wheel bracket as shown. You do not need to adjust the spring-loaded or slotted links.

Adjusting Seeding Depth

Your drill is designed to run with row units parallel to the ground when lowered into seeding position. You may need to make minor adjustments to achieve desired seeding depth.

**Press Wheels**

*Refer to Figure 10*

Opener depth is controlled by the height of its press wheel. Changing the height of the press wheel automatically changes the seeding depth of the opener. To adjust press-wheel height, lift up on the T-handle and slide it forward or back.

- For shallower seeding, slide T-handle forward toward drill.
- For deeper seeding, slide T-handle back away from drill.

**Down-Pressure Springs**

*Refer to Figure 11*

Each opener can be adjusted individually for increased or decreased down pressure. Increased down pressure aids opener penetration in hard soils and tire tracks. Decreased down pressure may prevent openers from plugging in wet soil.

To adjust opener down pressure, remove the W clip at the bottom of the spring shown.

- Place the clip in a higher spring-rod hole for increased pressure.
- Place the clip in a lower hole for decreased pressure. If an opener is running too deep at the lowest pressure setting, the W clip can be removed completely.
Disc Blade Adjustments

Opener disc angle and stagger is not adjustable, but disc-to-disc spacing is, and may need attention as discs experience normal wear. Spacers must be reset when blades are replaced.

Refer to Figure 12

The ideal spacing causes the blades to be in contact for about one inch. If you insert two pieces of paper between the blades, the gap between them should be 0 to 1.75 in. (0 to 4.4 cm).

If the contact region is significantly larger or smaller (or there is no contact at all), it needs to be adjusted by moving one or more spacer washers. If the contact region varies with blade rotation, one or both blades is likely bent and in need of replacement.

Adjusting Disc Contact

⚠️ CAUTION

Sharp Object Hazard:
Use caution when making adjustments in this area. Row unit disc blades may be sharp.

Refer to Figure 13

1. Raise the drill and block it in the transport position.
2. Remove the bolt retaining the opener disc on one side. Carefully remove the disc, noting how many spacers are outside the disc bearing and inside the disc. Do not lose the hub components and spacer washers.
3. To reduce the spacing between the discs (the normal case), move one spacer washer from the inside to the outside of the disc.
4. Re-assemble and check disc contact.
Bedded Irrigation

Refer to Figure 14

If your drill has the bedded irrigation option, you can adjust the height of openers that run in irrigation furrows.

When running the drill in a level field, mount the openers in the top hole (1).

To lower the openers for irrigation furrows, move the opener pivot bolt (2) to a lower hole in the opener mount. Lowering the pivot bolt one hole lowers the opener body 2 1/2 inches.

Disk Scraper Adjustment

Refer to Figure 15

To keep the double-disk openers turning freely, dirt scrapers are mounted between the disks to clean as the disks rotate. A disk scraper is shown the figure.

As field conditions vary, you may need to adjust the scrapers.

- In damp conditions, the scrapers may need to be lowered.
- If openers are not turning freely, the scrapers may need to be raised.

To adjust scrapers, loosen the 3/8-inch bolt and move scraper as needed.
Marker Adjustments

Chain Adjustment

Refer to Figure 16

There are two chain adjustments. These adjustments are interrelated and should be done in the following order.

1. Lifting Slack
   a. Start with the marker unfolded.
   b. Back the full-threaded adjustment bolt (1) down until the head extends as little as possible.
   c. Slowly fold the marker, observing the motion of the disk.
      • If the disk slides across the ground more than about a foot before the chain and linkage lifts it up, the chain is too long. Shorten the chain by moving the clevis (2) in one or two links.
      • If the chain is too short when the marker is unfolded, it will prevent the end of the marker from dropping into field depressions. Correct this condition by moving the clevis (2) one or two links toward the end of the chain to make it longer.
   d. Check the adjustment by repeating the folding process.

2. Folding Slack
   e. After completing the adjustment in step 1, fold the marker.
   f. Extend the full-threaded adjustment bolt (1) until the slack is out of the chain.
   g. Lock the bolt in this position by tightening the nuts (3) on either side of upright channel (4).

Marker Disk Adjustment

The field mark left by the marker disk may be changed by adjusting disk angle or direction of cut.

Disk Angle

Refer to Figure 17

If mark left by marker disc is not clearly visible, adjust disk angle to make a wider mark. To change the angle of cut:
1. Loosen the two ½-inch bolts holding the disk assembly.
2. Rotate the disk assembly as desired.
Direction of Cut

Refer to Figure 18

The disk may be mounted to throw dirt in or out for different marks in different soil conditions. To change the direction of cut:

1. Reverse the disk by removing the four lug bolts on the disk hub. Remount the depth band and lug bolts.
2. Turn the entire disk assembly by removing the two ½-inch bolts and turning the assembly one-half turn.
3. Reinstall the ½-inch bolts and set the disk angle as desired.

Folding Speed Adjustment

![Figure 18](image18.png)

Direction of Cut Reversed

**CAUTION**

Overhead and Crushing Hazard:
Keep others away when folding or unfolding markers. Markers may fall quickly and unexpectedly if hydraulics fail.

Refer to Figure 19

The markers are equipped with hex-head screws for adjusting folding speed. The screws are on the sequence-valve body as shown in Figure 19. There are two screws—one for folding speed (1), the other for unfolding speed (2).

With tractor at a normal operating speed, adjust marker folding to a safe speed. Turn the adjustment screws clockwise for slower folding or counterclockwise for faster folding. Excessive speed could damage the markers and void the warranty.

Seed-Lok™

Refer to Figure 20

The optional Seed-Lok™ firming wheels provide additional seed-to-soil contact. The wheels are spring loaded and do not require adjusting. In some wet and sticky conditions the wheels may accumulate soil. Remove or install the wheels as field conditions warrant.

![Figure 20](image20.png)

Seed-Lok™ Firming Wheel
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uneven seed spacing or uneven stand</td>
<td>Check for plugging in seed cups.</td>
</tr>
<tr>
<td></td>
<td>Check for plugging in seed tubes.</td>
</tr>
<tr>
<td></td>
<td>Reduce ground speed.</td>
</tr>
<tr>
<td></td>
<td>Check if opener disks are turning freely.</td>
</tr>
<tr>
<td></td>
<td>Use faster drive type and position seed-rate handle to a lower setting.</td>
</tr>
<tr>
<td></td>
<td>Increase opener spring pressure to penetrate low spots. Refer to “Down-Pressure Springs” on page 18.</td>
</tr>
<tr>
<td></td>
<td>Check for trash or mud build-up on Seed-Lok wheels.</td>
</tr>
<tr>
<td>Opener disks not turning freely</td>
<td>Check for trash or mud build-up on disk scraper. Readjust scraper. Refer to “Seed-Lok™” on page 22.</td>
</tr>
<tr>
<td></td>
<td>Check if scraper is adjusted too tight, restricting disk movement. Refer to “Seed-Lok™” on page 22.</td>
</tr>
<tr>
<td></td>
<td>Check disk bearings.</td>
</tr>
<tr>
<td></td>
<td>Check opener frame for damage.</td>
</tr>
<tr>
<td></td>
<td>If opener disks turn freely by hand but not in field, reduce down pressure on disk opener. Refer to “Down-Pressure Springs” on page 18.</td>
</tr>
<tr>
<td></td>
<td>Check press wheel adjustment. Refer to “Press Wheels” on page 18.</td>
</tr>
<tr>
<td>Actual seeding rate is different than desired</td>
<td>Check tire pressure. Proper inflation is listed on “Tire Inflation and Torque” on page 34.</td>
</tr>
<tr>
<td></td>
<td>Check tire size. Proper size is 9.5L x 15”.</td>
</tr>
<tr>
<td></td>
<td>Regularly clean seed treatment from seed cups.</td>
</tr>
<tr>
<td></td>
<td>Check drill box setting.</td>
</tr>
<tr>
<td></td>
<td>Refer to Seed Rate Charts Manual, for instructions on calculating seeding rate.</td>
</tr>
<tr>
<td>Excessive seed cracking</td>
<td>Use slower drive type and position seed-rate handle to a higher setting.</td>
</tr>
<tr>
<td></td>
<td>Position seed-cup handles to a lower notch (wider door setting).</td>
</tr>
<tr>
<td>Acremeter does not measure accurately</td>
<td>Check tire pressure. Proper inflation is listed on “Tire Inflation and Torque” on page 34.</td>
</tr>
<tr>
<td></td>
<td>Check tire size. Proper size is 9.5L x 15”.</td>
</tr>
<tr>
<td></td>
<td>Check planting operation for excessive overlap or gaps between passes.</td>
</tr>
<tr>
<td></td>
<td>Consider soil conditions. Loose soil and slippage will cause variations in acres registered.</td>
</tr>
<tr>
<td></td>
<td>Check that your acremeter is for your width of drill. Refer to the parts manual.</td>
</tr>
<tr>
<td>Uneven seeding depth</td>
<td>Refer to “Adjusting Seeding Depth” on page 18.</td>
</tr>
<tr>
<td>Press wheels not compacting the soil as desired</td>
<td>Reset press-wheel depth. Refer to “Press Wheels” on page 18.</td>
</tr>
<tr>
<td></td>
<td>Increase down pressure on disk openers. Refer to “Down-Pressure Springs” on page 18.</td>
</tr>
<tr>
<td>Grain box not emptying evenly</td>
<td>Certain models do not have the same number of seed cups between each divider of bulkhead. The section with more cups will empty sooner.</td>
</tr>
<tr>
<td>Problem</td>
<td>Solution</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Press wheel or openers plugging</td>
<td>Consider soil conditions–may be too damp or wet.</td>
</tr>
<tr>
<td></td>
<td>Reduce down pressure on openers. Refer to “Down-Pressure Springs” on page 18.</td>
</tr>
<tr>
<td></td>
<td>Do not back up or allow drill to roll backward with openers in the ground.</td>
</tr>
<tr>
<td></td>
<td>Check Seed-Lok wheel. If conditions are too wet, you may need to remove the wheels.</td>
</tr>
<tr>
<td>Seed-cup sprockets locked up or twisted feeder drive shaft</td>
<td>Check for foreign material stuck in the seed-cup sprockets.</td>
</tr>
<tr>
<td></td>
<td>Check for dried liquid insecticide in seed cups. Remove the build up by disassembling each seed cup and scraping the foreign substance from the turning surfaces.</td>
</tr>
<tr>
<td>Hydraulic marker functioning improperly</td>
<td>Check all hose fittings and connections for air or oil leaks.</td>
</tr>
<tr>
<td></td>
<td>The chain on the folding three-section marker should be slack when the marker is both fully extended and fully raised. Refer to “Marker Adjustments” on page 21.</td>
</tr>
<tr>
<td></td>
<td>Check tractor hydraulic oil level.</td>
</tr>
<tr>
<td></td>
<td>Check all bolts and fasteners.</td>
</tr>
<tr>
<td>Drill is not pulling level (parallel to ground, front to rear)</td>
<td>Open needle valve, cycle markers slowly and reset needle valve if plugged.</td>
</tr>
<tr>
<td>Gauge wheel leans to left or right</td>
<td>Readjust top hitch link to level drill. Note: Readjusting the top hitch link may affect seeding depth.</td>
</tr>
<tr>
<td></td>
<td>Realign brackets where gauge wheel is attached to main frame by adjusting u-bolts.</td>
</tr>
<tr>
<td></td>
<td>Check if axle bearings are securely attached to gauge-wheel arm.</td>
</tr>
<tr>
<td>Marker blade does not mark</td>
<td>Check that the marker folding linkage has enough slack to allow the marker disk to drop into field depressions. Maximum down float should be limited by the slot at the rod end of the marker cylinder—not by the chain. Refer to “Marker Adjustments” on page 21.</td>
</tr>
<tr>
<td></td>
<td>Reverse the blade to pull or throw dirt. Refer to “Marker Adjustments” on page 21.</td>
</tr>
<tr>
<td></td>
<td>Try the optional notched blade available through your Great Plains dealer.</td>
</tr>
<tr>
<td>Roller chain</td>
<td>Be sure retainer clip is facing opposite way of chain travel</td>
</tr>
</tbody>
</table>
General Maintenance

Proper servicing and adjustment is the key to long implement life. With careful and systematic inspection, you can avoid costly maintenance, downtime and repair.

Always turn off and remove the tractor key before making any adjustments or performing maintenance. Securely block raised drill before working under or around it.

**WARNING**

**Crushing Hazard:**
You could be severely injured or killed by the falling implement. Always have frame sufficiently blocked up when working on implement.

**WARNING**

**High Pressure Fluid Hazard:**
Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, not body parts, and wear heavy gloves to check for suspected leaks. If injured, seek medical assistance from a doctor that is familiar with this type of injury. Foreign fluids in the tissue must be surgically removed within a few hours or gangrene will result.

1. After using your drill for several hours, check all bolts to be sure they are tight. Periodically check and secure all bolts, pins and fasteners. Tighten as specified on “Torque Values Chart” on page 34.
2. Clean or replace any fittings that will not take grease. Lubricate areas listed under “Lubrication”, beginning on page 27.

**NOTICE**

*Do not use petroleum based products on feeder cup or small grass cup components.*

3. Adjust idlers to remove excess slack from chains. Clean and use chain lube on all roller chains as needed.
4. Inflate tires as specified in “Tire Inflation and Torque” on page 34.
7. Replace any worn, damaged or illegible safety decals. Order new decals from your Great Plains dealer. Refer to “Safety Decals” on page 5, for correct decal placement.
Marker Maintenance

Shear Bolts

The marker arm is attached to marker body with a 3/8-inch, grade 2, shear bolt. If the shear bolt breaks, replace it with a grade 2 bolt.

**NOTICE**

*Failure to replace the shear bolt with a grade 2 bolt can cause marker damage.*

Disk Hub Bearings

Under normal conditions, the disk hub bearings need to be repacked every 2 or 3 years.

If the grease seal cap is damaged or missing, disassemble and clean the hub. Repack with grease and install a new seal or grease cap.

Bleeding Marker Hydraulics

If you install or replace part of the optional markers, you must bleed air from the marker hydraulics. Your markers will not fold properly with air in the hydraulic circuit.

1. Be sure tractor hydraulic reservoir is full.
2. With the markers unfolded, crack the hydraulic hose fittings at the base end of the cylinders.
3. With your tractor at an idle speed, activate your tractor hydraulic valve until oil seeps out around the hose ends. Retighten the fittings.
4. Repeat step 2 for the hose-end fittings at the rod end of the cylinders.
5. Fold and unfold the markers slowly to work all the air out of your marker hydraulics. Use caution when folding and unfolding the marker for the first time and check for pinching and kinking of hoses.

Storage

Store the drill where children do not play. If possible, store the drill inside for longer life.

1. Unload seed box.
2. Clean the drill as necessary. Be sure the seed boxes are cleaned completely before storing, especially if treated seed is used.
3. Adjust and oil all roller chains. Lubricate the drill at all points indicated under “Lubrication”, beginning on page 27.
4. Check all bolts, pins, fitting and hoses. Tighten, repair or replace parts as needed.
5. Inspect drill for worn or damaged parts. Make repairs and service during the off season.
6. Use Great Plains touch-up paint to cover scratches, chips and worn areas to prevent rust.
Lubrication

| Multi-purpose spray lubricant | Multi-purpose grease lubricant | Multi-purpose oil lubricant | Inspection | 50 | Intervals (operating hours) at which service is required |

Seed-Cup-Drive Sprocket

Squirt oil onto the square seed-cup shaft and move seed rate handle back and forth to get the oil into the square bore.

Type of Lubrication: Oil
Quantity: Coat thoroughly

Jackshaft Bearings

2 sets of bearings on each end of drill: 4 grease fittings total
Type of Lubrication: Grease
Quantity: Until resistance is felt

Drive Chains

Type of Lubrication: Chain Lube
Quantity: Coat generously

Wheel Axles

Type of Lubrication: Grease
Quantity: Full Pack
Marker Hinges

Type of Lubrication: Grease
Quantity: Until grease emerges

Marker-Disk Bearings

Type of Lubrication: Grease
Quantity: Repack

Small Seeds Drive Sprocket Hanger Bearing

Type of Lubrication: Grease
Quantity: Until grease emerges

Small Seeds Feed Cup Drive Sprocket

Type of Lubrication: Oil
Quantity: Coat sprocket bore thoroughly
Gauge Wheels

Dual gauge wheels are available to provide extra flotation with less compaction.

<table>
<thead>
<tr>
<th>Gauge Wheel Package</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Gauge Wheel Option (27-ft, 30-ft, 37-ft)</td>
<td>120-242A</td>
</tr>
<tr>
<td>Dual Gauge Wheel Option (27-ft, 30-ft, 37-ft)</td>
<td>120-064A</td>
</tr>
<tr>
<td>Twin Single Gauge Wheel Mounts (37-ft only)</td>
<td>120-050A</td>
</tr>
</tbody>
</table>

Markers

Hydraulic markers are available for 27-ft and 30-ft drills. Markers come complete with double-acting cylinders, hoses and fittings.

For information on how to adjust the markers, refer to “Marker Adjustments” on page 21. For marker maintenance and lubrication, refer to “Marker Maintenance” on page 26.

To order markers, contact your Great Plains dealer. Refer to the table below for the correct marker package for your drill.

<table>
<thead>
<tr>
<th>Marker Package</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-ft. Dual Flat-Fold Hydraulic Markers</td>
<td>113-199A</td>
</tr>
<tr>
<td>30-ft. Dual Flat-Fold Hydraulic Markers</td>
<td>113-195A</td>
</tr>
<tr>
<td>37-ft. Not Available</td>
<td>--</td>
</tr>
</tbody>
</table>

Seed-Cup Plugs

Seed-cup plugs are available to block off individual rows when you want wider row spacings. Install the plugs by pushing them into the seed-cup openings on the desired rows.

To order seed-cup plugs, contact your Great Plains dealer.

<table>
<thead>
<tr>
<th>Seed Cup Plugs Package</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed-Cup Plugs</td>
<td>817-200C</td>
</tr>
</tbody>
</table>
Seed-Lok™

The optional, spring-loaded Seed-Lok™ firming wheel presses the seed directly into the bottom of the seed bed. The Seed-Lok™ option provides more even seed emergence since seeds are planted and firmed at the same depth.

For more information, refer to “Seed-Lok™” on page 22.
To order Seed-Lok™ firming wheels, contact your Great Plains dealer.

<table>
<thead>
<tr>
<th>Seed-Lok Bundle</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Stand Removable 5-in. Seed-Lok Assembly</td>
<td>122-193K</td>
</tr>
</tbody>
</table>

Shaft Monitor

The optional shaft monitor detects when the seed-cup shaft stops turning. If the shaft stops for more than 20 seconds, an alarm sounds and a warning light flashes.

For information on how to operate the shaft monitor, refer to “Shaft Monitor Operation” on page 15.
To order shaft monitors, contact your Great Plains dealer. The 3-channel monitor should only be ordered if you also have a small seed option.

<table>
<thead>
<tr>
<th>Monitor Bundle</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loup 2-Channel Shaft Monitor</td>
<td>116-282A</td>
</tr>
<tr>
<td>Loup 3-Channel Shaft Monitor</td>
<td>116-283A</td>
</tr>
</tbody>
</table>

Small Seeds Attachment (27-ft and 30-ft Drills)

The small-seeds attachment delivers small seeds evenly and gently. Seeds are placed directly in front of the press wheel. For setting the seeding rate on the attachment, refer to Seed Rate Charts Manual.

To order the small seeds attachment, contact your Great Plains dealer. Refer to the table below for the correct part number for your drill.

<table>
<thead>
<tr>
<th>Drill Size</th>
<th>Attachment Package Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-ft., 6-in. Rows</td>
<td>133-042A</td>
</tr>
<tr>
<td>27-ft., 7 1/2-in. Rows</td>
<td>133-046A</td>
</tr>
<tr>
<td>27-ft., 8-in. Rows</td>
<td>133-048A</td>
</tr>
<tr>
<td>27-ft., 10-in. Rows</td>
<td>133-050A</td>
</tr>
<tr>
<td>30-ft, 6-in Rows</td>
<td>133-053A</td>
</tr>
<tr>
<td>30-ft., 7 1/2-in. Rows</td>
<td>133-055A</td>
</tr>
<tr>
<td>30-ft., 8-in. Rows</td>
<td>133-057A</td>
</tr>
<tr>
<td>30-ft., 10-in. Rows</td>
<td>133-059A</td>
</tr>
</tbody>
</table>
### Appendix A - Reference Information

## Specifications and Capacities

### 2700 3-Point Drills

<table>
<thead>
<tr>
<th>Specification</th>
<th>6 in (15.2 cm)</th>
<th>7-½ in (19.1 cm)</th>
<th>8 in (20.3 cm)</th>
<th>10 in (25.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Row Spacing</strong></td>
<td>54</td>
<td>44</td>
<td>40</td>
<td>32</td>
</tr>
<tr>
<td><strong>Rows per Drill</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Base Unit Weight (approximate)</strong></td>
<td>4620 lb (2096 kg)</td>
<td>4128 lb (1872 kg)</td>
<td>4093 lb (1857 kg)</td>
<td>3658 lb (1659 kg)</td>
</tr>
<tr>
<td><strong>Loaded Weight (approximate)</strong></td>
<td>7920 lb (3592 kg)</td>
<td>7483 lb (3394 kg)</td>
<td>7308 lb (3315 kg)</td>
<td>6958 lb (3156 kg)</td>
</tr>
<tr>
<td><strong>Hitch Category</strong></td>
<td>3N, 3, 4N, 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tire Size</strong></td>
<td>9.5 x 15 8 ply</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Power Requirement</strong></td>
<td>160 hp (119 kw)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Width</strong></td>
<td>27 ft</td>
<td>27.5 ft</td>
<td>26.7 ft</td>
<td>26.7 ft</td>
</tr>
<tr>
<td><strong>Transport Width</strong></td>
<td>28 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Length</strong></td>
<td>6 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Clearance</strong></td>
<td>depends on 3-point hitch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Height</strong></td>
<td>5 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Opener Series</strong></td>
<td>00 Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Main Box Capacity</strong></td>
<td>55 bu (1938 L)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Small Seed Box Capacity</strong></td>
<td>6.5 bu (229 L)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Diagram](10584.png)
### 3000 3-Point Drills

<table>
<thead>
<tr>
<th></th>
<th>6 in (15.2 cm)</th>
<th>7-½ in (19.1 cm)</th>
<th>8 in (20.3 cm)</th>
<th>10 in (25.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Row Spacing</strong></td>
<td>60</td>
<td>48</td>
<td>44</td>
<td>36</td>
</tr>
<tr>
<td><strong>Rows per Drill</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Base Unit Weight</strong></td>
<td>4596 lb (2085 kg)</td>
<td>4296 lb (1949 kg)</td>
<td>4196 lb (1903 kg)</td>
<td>3996 lb (1813 kg)</td>
</tr>
<tr>
<td><strong>Loaded Weight</strong></td>
<td>8196 lb (3718 kg)</td>
<td>7896 lb (3582 kg)</td>
<td>7796 lb (3536 kg)</td>
<td>7596 lb (3445 kg)</td>
</tr>
<tr>
<td><strong>Hitch Category</strong></td>
<td>3N, 3, 4N, 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tire Size</strong></td>
<td>9.5 x 15 8 ply</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Power</strong></td>
<td>170 hp (127 kw)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Width</strong></td>
<td>30 ft</td>
<td>30 ft</td>
<td>29.3 ft</td>
<td>30 ft</td>
</tr>
<tr>
<td><strong>Transport Width</strong></td>
<td>30.5 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Length</strong></td>
<td>6 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Clearance</strong></td>
<td>depends on 3-point hitch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Height</strong></td>
<td>5 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Opener Series</strong></td>
<td>00 Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Main Box Capacity</strong></td>
<td>60 bu (2114 L)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Small Seed Box Capacity</strong></td>
<td>7.2 bu (254 L)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of 3000 3-Point Drill](image-url)
## 3700 3-Point Drills

<table>
<thead>
<tr>
<th></th>
<th>6 in (15.2 cm)</th>
<th>7-½ in (19.1 cm)</th>
<th>8 in (20.3 cm)</th>
<th>10 in (25.4 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Row Spacing</strong></td>
<td>74</td>
<td>60</td>
<td>56</td>
<td>44</td>
</tr>
<tr>
<td><strong>Rows per Drill</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Base Unit Weight</strong></td>
<td>9110 lb (4132 kg)</td>
<td>8080 lb (3665 kg)</td>
<td>8069 lb (3660 kg)</td>
<td>6903 lb (3131 kg)</td>
</tr>
<tr>
<td>(approximate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Loaded Weight</strong></td>
<td>13,610 lb (6173 kg)</td>
<td>12,580 lb (5706 kg)</td>
<td>12,569 lb (5701 kg)</td>
<td>11,403 lb (5172 kg)</td>
</tr>
<tr>
<td>(approximate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hitch Category</strong></td>
<td>3N, 3, 4N, 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tire Size</strong></td>
<td>9.5 x 15 8 ply</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Minimum Power</strong></td>
<td>210 hp (157 kw)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Requirement</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Working Width</strong></td>
<td>37 ft</td>
<td>37.5 ft</td>
<td>37.3 ft</td>
<td>36.7 ft</td>
</tr>
<tr>
<td><strong>Transport Width</strong></td>
<td>38 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Length</strong></td>
<td>6 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Clearance</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transport Height</strong></td>
<td>5 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Opener Series</strong></td>
<td>00 Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Main Box Capacity</strong></td>
<td>75 bu (2643 L)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Small Seed Box Capacity</strong></td>
<td>Small Seeds Not Available</td>
<td></td>
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</tr>
</tbody>
</table>

---

![Diagram of 3700 3-Point Drill](image-url)
**Tire Inflation and Torque**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Inflation PSI</th>
<th>Lug Nut Torque ft-lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.5L x 15&quot; 8-Ply Rib Implement</td>
<td>44</td>
<td>85</td>
</tr>
</tbody>
</table>

**NOTE:**
All tires are warranted by the original manufacturer of the tire. Tire warranty information can be found in the brochures included with your Operator's and Parts Manuals or online at the manufacturer's websites. For service assistance or information, contact your nearest Authorized Farm Tire Retailer.
Great Plains (a division of Great Plains Manufacturing, Inc.) warrants to the original purchaser that this Great Plains machine will be free from defects in material and workmanship for a period of one year (Parts & Labor) from the first use date when used as intended for personal use; ninety days for custom/commercial or rental use.

Second year limited warranty covers Parts ONLY (personal usage only, excluding labor and wear items). This warranty is limited to the replacement of any defective part by Great Plains. Great Plains reserves the right to inspect any equipment or part which are claimed to have been defective in material or workmanship.

The following items and/or conditions are NOT COVERED UNDER WARRANTY: Failures resulting from the abuse or misuse of the equipment, failures occurring as a result of accidental damage or Force Majeure, failures resulting from alterations or modifications, failures caused by lack of normal maintenance as outlined in the operator’s manual, repairs made by non-authorized personnel, items replaced or repaired due to normal wear (such as wear items and ground-engaging components including, but not limited to, disc blades, chisel points, tires, bushings, and scrapers), repeat repair due to improper diagnosis or improper repair by the dealer, temporary repairs, service call and/or mileage to and from customer location, overtime premium, or unit hauling expenses. The warranty may be voided if the unit is towed at speeds in excess of 20 miles per hour (32 kilometers per hour), or failures occurring from soils with rocks, stumps, or other obstructions.

Great Plains reserves the right to make changes in materials or design of the product at any time without notice. The warranty shall not be interpreted to render Great Plains liable for damages of any kind, direct or consequential or contingent to property. Furthermore, Great Plains shall not be liable for damages resulting from any cause beyond its control. This warranty does not extend to crop loss, losses caused by planting or harvest delays or any expense or loss of labor, supplies, rental machinery, or for any other reason.

No other warranty of any kind whatsoever expressed or implied, is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written warranty are hereby disclaimed and excluded from this sale.

This warranty is not valid unless registered by a certified Great Plains dealer.

Effective July 15, 2020
Table of Contents
Table of Contents