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 provided in the Specifications & Capacities Section of this manual with the Option(s) weight and measurements.

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Dealer Contact Information

Name: _____________________________
Street: _____________________________
City/State: _________________________
Telephone: _________________________
Email: _____________________________

California Proposition 65

⚠️ WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
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**Parts Manual QR Locator**

The QR (Quick Reference) code on the cover and to the left will take you to the Parts Manual for this equipment. Download the appropriate App on your smart phone, open the App, point your phone on the QR code and take a picture.

**Dealer QR Locator**

The QR code on the left will link you to available dealers for Land Pride products. Refer to Parts Manual QR Locator on this page for detailed instructions.
Important Safety Information

Listed below are common practices that may or may not be applicable to the products described in this manual.

Safety at All Times

Careful operation is your best assurance against an accident. All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the power machine and this implement.

- Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.
- Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- The operator should be familiar with all functions of the tractor and attached implement and be able to handle emergencies quickly.
- Make sure all guards and shields appropriate for the operation are in place and secured before operating implement.
- Keep all bystanders away from equipment and work area.
- Start tractor from the driver’s seat with hydraulic controls in neutral.
- Operate tractor/skid steer and controls from the driver’s seat only.
- Never dismount from a moving tractor or leave tractor unattended with engine running.
- Do not allow anyone to stand between tractor and implement while backing up to implement.
- Keep hands, feet, and clothing away from power-driven parts.
- While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- Do not turn tractor so tight as to cause hitched implement to ride up on the tractor’s rear wheel.
- Store implement in an area where children normally do not play. When needed, secure implement against falling with support blocks.

Look for the Safety Alert 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

A signal word designates a degree or level of hazard seriousness. The signal words are:

- **DANGER**
  Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

- **WARNING**
  Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

- **CAUTION**
  Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to implements and their work.

- Never assume children will remain where you last saw them.
- Keep children out of the work area and under the watchful eye of a responsible adult.
- Be alert and shut the implement and tractor down if children enter the work area.
- Never carry children on the tractor or implement. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the power machine.
- Never allow children to operate the power machine, even under adult supervision.
- Never allow children to play on the power machine or implement.
- Use extra caution when backing up. Before the tractor starts to move, look down and behind to make sure the area is clear.

Tractor Shutdown & Storage

- If engaged, disengage power take-off.
- Park on solid, level ground and lower implement to ground or onto support blocks.
- Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- Relieve all hydraulic pressure to auxiliary hydraulic lines.
- Wait for all components to stop before leaving operator’s seat.
- Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
- Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.
Listed below are common practices that may or may not be applicable to the products described in this manual.

**Tire Safety**
- Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator’s Manual.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- Securely support the implement when changing a wheel.
- When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- Make sure wheel bolts have been tightened to the specified torque.

**Transport Safely**
- Comply with federal, state, and local laws.
- Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tractor with loader attachment on the “uphill” side.
- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- As a guideline, use the following maximum speed weight ratios for attached equipment:
  - 20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  - 10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- IMPORTANT: Do not tow a load that is more than double the weight of the vehicle towing the load.

**Use A Safety Chain**
- A safety chain will help control drawn machinery should it separate from the tractor drawbar.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed implement.
- Attach the chain to the tractor drawbar support or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Always hitch the implement to the machine towing it. Do not use the safety chain to tow the implement.

**Practice Safe Maintenance**
- Understand procedure before doing work. Refer to the Operator’s Manual for additional information.
- Work on a level surface in a clean dry area that is well-lit.
- Lower implement to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.
- Do not work under any hydraulic supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- Use properly grounded electrical outlets and tools.
- Use correct tools and equipment for the job that are in good condition.
- Allow equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on equipment.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement while it is in operation.
- Remove buildup of grease, oil, or debris.
- Always make sure any material and waste products from the repair and maintenance of the implement are properly collected and disposed.
- Remove all tools and unused parts before operation.
Listed below are common practices that may or may not be applicable to the products described in this manual.

### 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.

### Use Safety Lights and Devices
- Slow moving tractors and self-propelled machines can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle (SMV) sign when on public roads.
- Flashing warning lights and turn signals are recommended whenever driving on public roads.

### Wear Personal Protective Equipment (PPE)
- Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the operator's full attention. Avoid wearing headphones while operating equipment.

### Avoid High Pressure Fluids Hazard
- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- 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.
- DO NOT DELAY. If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

### Use Seat Belt and ROPS
- Land Pride recommends the use of a CAB or roll-over-protective-structures (ROPS) and seat belt in almost all power machines. Combination of a CAB or ROPS and seat belt will reduce the risk of serious injury or death if the power machine should be upset.
- If ROPS is in the locked-up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.

### Handle Chemicals Properly
- Protective clothing should be worn.
- Handle all chemicals with care.
- Follow instructions on container label.
- 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.

### Keep Riders Off Machinery
- Never carry riders on tractor or implement.
- Riders obstruct operator's view and interfere with the control of the power machine.
- Riders can be struck by objects or thrown from the equipment.
- Never use tractor or implement to lift or transport riders.
Safety Labels

Your broadcast Spreader comes equipped with all safety labels in place. They were designed to help you safely operate your implement. Read and follow their directions.

1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during repair requires safety labels to be affixed to the replaced component as specified by Land Pride. When ordering new components make sure the correct safety labels are included in the request.
4. Refer to this section for proper label placement.

To install new labels:
   a. Clean surface area where label is to be placed.
   b. Spray soapy water onto the cleaned area.
   c. Peel backing from label and press label firmly onto the surface.
   d. Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.
818-540C
Danger: Guard Missing

818-552C
Danger: Rotating Driveline
Introduction

Land Pride welcomes you to the growing family of new product owners. This Broadcast Spreader 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 product.

Application

The Land Pride FSP500, FSP700, and FSP1000 are rotary/spin type broadcast spreaders designed for Category 1, three-point hitch mounting. They are capable of spreading seed, sand, salt, top dressings, lime, prilled/granular fertilizer, and most all other types of granular materials at delivery rates ranging from 43-890 lbs. per acre and 49 to 998 kgs/hectare. (Depending on material) Agitator extension comes standard. Each of these models offer specific hopper capacities with the FSP500 at 350lbs/5.85cu. ft., FSP700 at 563lbs/9.38cu. ft., and FSP1000 at 673lbs/11.22cu. ft.

The spread rate capability and range of hopper capacities make the Land Pride Broadcast Spreaders well suited for applications on farms, golf courses, food plots, park systems, athletic fields, and large campuses. They also work well for smaller municipal or commercial applications of salt and sand for snow and ice control.

See “Specifications & Capacities” on page 24 and “Features & Benefits” on page 25 for additional information and performance enhancing options.

Using This Manual

- This Operator’s Manual is designed to help familiarize the operator with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.
- To order a new Operator’s or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

“Right” or “Left” as used in this manual is determined by facing forward in the direction the machine will operate while in use unless otherwise stated.

Definitions

IMPORTANT: A special point of information related to the following topic. Land Pride’s intention is this information must be read & noted before continuing.

NOTE: A special point of information that the operator should be aware of before continuing.

Owner Assistance

The dealer should complete the Online Warranty Registration at the time of purchase. This information is necessary to provide you with quality customer service.

The parts on your Broadcast Spreader have been specially designed by Land Pride and should only be replaced with genuine Land Pride parts. Contact a Land Pride dealer if customer service or repair parts are required. Your Land Pride dealer has trained personnel, repair parts, and equipment needed to service the implement.

Serial Number

For quick reference and prompt service, record model and serial number on the inside cover page and again on the warranty page. Always provide model number and serial number when ordering parts and in all correspondences with your Land Pride dealer. For location of your serial number plate, see Figure 1.

Further Assistance

Your dealer wants you to be satisfied with your new Broadcast Spreader. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss any problems you have with your implement with your dealership service personnel so they can address the problem.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the problem, and request assistance.
3. For further assistance write to:

Land Pride Service Department
1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address
lpservicedept@landpride.com
Tractor Requirements

Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used. 3-Point arms should be stabilized to prevent side-to-side movement.

Rear Power Requirement Must be capable of 540 rpm
Hitch Type . . . . . . . . . . . . . . . . . . . . . . . . . 3 - Point Cat. 1
Spline Size . . . . . . . . . . . . . . . . . . . . . . . . . 1 3/8" - 6

NOTE: Ballast may need to be added to your tractor to maintain steering control. Refer to your tractor’s manual to determine if additional ballast is needed.

Gearbox & Spreader Disc Assembly

Refer to Figure 1-1:

1. Attach lower link pins (#2) to main frame (#1) with lock washers (#3) and nuts (#4). Tighten nuts to the correct torque.
2. Install gearbox (#5) to main frame with six #8 x 16 hex socket cap screws (#6). Tighten cap screws to the correct torque.
3. Install spreader disc (#9) over gearbox (#5) output shaft and secure with M8 x 14 spring pin (#7). Insert a second M5 x 40 spring pin (#8) inside the M8 pin.

Poly Hopper Assembly

Refer to Figure 1-2:

1. Attach entrainer (#5) to gearbox output shaft with M8 x 14 spring pin (#6). Be sure to drive spring pin all the way in.
2. Orient poly hopper with gate openings positioned on both sides of the lever mounting bracket.
3. Attach poly hopper (#1) to main frame (#2) with three M10 x 20 round head cap screws (#3) & M10 nut (#4).
4. Insert lower agitator (#7) over entrainer (#5).
5. Insert rubber ring (#8) over entrainer and press down against agitator (#7) until agitator is against hopper bottom.
Agitator Assembly
Refer to Figure 1-3:

**IMPORTANT:** Agitator should only be used with light fluffy material such as grass seeds. Do not use with heavy dense materials such as fertilizer, salt, and sand. Doing so can break the agitator.

1. Check buffer wheel (#1) to make sure it spins freely on the agitator. Slightly loosen hex locking nut (#4) if wheel does not spin freely.
2. Attach upper agitator (#1) to entrainer with M12 x 55 hex head cap screw (#2). Secure with M12 hex locking nut (#3). Draw locknut up snug. Do not tighten.

Gate Lift Assembly
Refer to Figure 1-4:

1. Thread M10 hex nut (#6) onto right and left lift rods (#7 & #8). Run nuts up the rods approximately 1”.
2. Insert left lift rod (#7) into left gate (#4) and secure with two M10 hex nuts (#3). Do not tighten nuts.
3. Insert right lift rod (#8) into right gate (#5) and secure with two M10 hex nuts (#3). Do not tighten nuts.
4. Slide left and right gates into the gate opening guides located in back of the poly hopper. Guides not shown.
5. Attach left adjustment lever (#13) and right adjustment lever (#14) to lever mounting bracket hole (A) with M12 x 35 hex head cap screw (#10) and M12 hex (#11). Draw up snug.
6. Install adjustment lever locking knob (#12) as shown. Do not tighten knob.
7. Attach left lift rod (#7) to left adjustment lever (#13) and secure with M10.5 x 21 washer (#9).
8. Attach right lift rod (#8) to right adjustment lever (#14) and secure with M10.5 x 21 washer (#9).
9. Raise levers (#13 & #14 above hole (#1) and insert hair pin (#2) in hole (#1).
10. With levers (#13 & #14) resting against hair pin (#2), tighten adjustment lever locking knob (#12).
11. Adjust gates (#4 & #5) closed and tighten M10 hex nuts (#3A & #6).
12. Hold nuts (#3A) from moving and tighten hex jam nuts (#3B) against nuts (#3A).
Tractor Shutdown Procedure
The following are basic tractor shutdown procedures. Follow these procedures and any additional shutdown procedures provided in your tractor Operator’s Manual before leaving the operator’s seat.

1. Reduce engine speed and disengage power take-off if engaged.
2. Park tractor and implement on level, solid ground.
3. Lower implement to ground or onto non-concrete support blocks.
4. Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
5. Relieve all hydraulic pressure to auxiliary hydraulic lines.
6. Wait for all components to come to a complete stop before leaving the operator’s seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.

Tractor 3-Point Hook-up

DANGER
To avoid serious injury or death:
All guards and shields must be installed and in good working condition while operating the implement.

WARNING
To avoid serious injury or death:
• Lightweight tractors with rear attached implements may need weights added to the front to maintain steering control. Consult your tractor Operator’s Manual to determine proper weight requirements and maximum weight limitations.
• Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before dismounting tractor.

A 3-Point Category I hitch is required. The lower 3-Point arms of the 3-Point hitch must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

Refer to Figure 1-5:

1. Slowly back tractor up to the Broadcast Spreader while using tractor’s 3-Point hydraulic control lever to align lower arm hitch holes with lower hitch pins.
2. Engage tractor park brake, shut tractor engine off, and remove key before dismounting from tractor.
3. With tractor’s lower hitch arms aligned and positioned correctly, attach arms to hitch pins and secure with linchpins.

4. Connect top center link to upper pivot hitch using customer supplied clevis pin and linchpin.
5. Ensure that the lower hitch arms are blocked to prevent excessive side movement.
6. Return to tractor and slowly operate controls up and down to make sure the spreader clears tractor tires, frame and drawbar. Move or remove the drawbar if it interferes with the spreader.
7. Adjust 3-Point hitch so that the spreader disc is horizontal and between 27 1/2” & 31 1/2” (70-80 cm) above ground level. Refer to Figure 1-5.
   a. Manually adjust one of the two lower lift arms up or down to level the Broadcast Spreader from left to right.
   b. Raise or lower tractor 3-Point lift until spreader disc is between 27 1/2” and 31 1/2” above ground level.
   c. Manually adjust length of top-link to level Broadcast Spreader from front to rear.
   d. Repeat steps 7b & 7c above as needed until spreader is level when at a height of 27 1/2” to 31 1/2” above ground.
   e. Set 3-Point control lever stop to support the spreader at this height.
Section 1: Assembly & Set-up

Driveline Installation

⚠️ **DANGER**
To avoid serious injury or death:
Make certain driveline yokes are securely fastened at each end. A loose yoke can work free allowing the driveline to rotate uncontrollably causing implement damage and bodily injury or death to anyone nearby.

Refer to Figure 1-6 on page 11:
1. Push in on the inner driveline push pin and slide driveline yoke over the gearbox input shaft.
2. Release inner yoke push pin and continue to slide the inner yoke onto the gearbox shaft until the push pin pops out.
3. Pull on the driveline yoke to make sure it is securely fastened to the gearbox input shaft.
4. Collapse driveline by pushing on the tractor end of the driveline toward the spreader gearbox shaft.

Driveline Hook-up

⚠️ **DANGER**
To avoid serious injury or death:
- Do not engage power take-off while hooking-up or unhooking the driveline, or while someone is standing near the driveline. A person’s body and/or clothing can become entangled in the driveline.
- All guards and shields must be installed and in good working condition while operating the implement.
- Do not use a power take-off adapter. The adapter will increase strain on the tractor’s power take-off shaft causing possible damage to shaft and driveline. It will also defeat the purpose of the tractor’s power take-off shield.
- Make certain driveline yokes are securely fastened at each end. A loose yoke can work free allowing the driveline to rotate uncontrollably causing implement damage and bodily injury or death to anyone nearby.

⚠️ **WARNING**
To avoid serious injury or death:
- Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before dismounting tractor.
- Check driveline when lowering implement to make sure it does not interfere with the tractor drawbar. If needed, shut tractor off and move or remove drawbar to prevent driveline damage.
- Lightweight tractors with rear attached implements may need weights added to the front to maintain steering control. Consult your tractor Operator’s Manual to determine proper weight requirements and maximum weight limitations.

!” **CAUTION**
To avoid minor or moderate injury:
Some tractors are equipped with two power take-off speeds. Do not exceed 540 rpm power take-off speed or equipment breakage may result.

- Important: The drivelines must be lubricated before putting them into service. Refer to “Lubrication Points” on page 23.
- Important: An additional driveline may be required if implement is attached to more than one tractor or if a Quick Hitch is used.
- Important: Check driveline minimum collapsible length before completing “Driveline Hook-up”. Structural damage to the tractor and spreader can occur if this check is not made. Refer to “Check Driveline Collapsible Length” on page 11.
- Important: If tractor drawbar interferes with the driveline during hook-up, disconnect driveline and move drawbar forward, to the side, or remove.
- 1. If driveline collapsible length has not been checked, go to “Check Driveline Collapsible Length” on page 11. Otherwise, continue with step 2 below.
- Refer to Figure 1-6 on page 11:
- 3. Push in on the outer driveline push pin and push driveline yoke onto the tractor power take-off shaft. Release pull collar and continue to push driveline yoke forward until pull collar locks in place.
- 4. Pull on driveline yokes at the tractor and implement end to make sure it is secured to the tractor power take-off shaft and implement gearbox shaft.
Check Driveline Minimum Length
Figure 1-6

1. With driveline attached only to the spreader, remove outer driveline (tractor end) from inner driveline to separate the two profiles.
2. Park tractor and spreader on a level surface.
3. Raise spreader until gearbox input shaft is level with tractor power take-off shaft. Securely block spreader at this height to keep the unit from lowering.
5. Attach outer driveline half to the tractor’s power take-off shaft. Refer to “Driveline Hook-up” on page 10.
6. Hold inner and outer drivelines parallel to each other as shown in Figure 1-6. Measure dimension "A".
   • If "A" is less than 1”, continue with step 10.
   • If "A" is greater than or equal to 1”, continue with step 7 below.
7. Remove outer driveline from the tractor and apply multi-purpose grease to the inside of its outer shaft.
8. Reassemble the two driveline halves together.
9. Implement end of the driveline should still be attached to the spreader gearbox. Hook-up tractor end of the driveline to the power take-off shaft. See “Driveline Hook-up” on page 10.

Refer to Figure 1-7:

10. If dimension ‘A’ is less than 1”, shorten driveline as follows:
   a. Measure 1” (“B1” dimension) back from outer driveline shield and make a mark at this location on the inner driveline shield.
   b. Measure 1” (“B2” dimension) back from the inner driveline shield and make a mark at this location on the outer driveline shield.
   11. Remove outer driveline from the tractor power take-off shaft and inner driveline from the spreader gearbox shaft.
   12. Cut off non-yoke end of inner driveline as follows:
      a. Measure from end of inner shield to scribed mark (“X” dimension) and record.
      b. Cut off inner shield at the mark. Cut same amount off the inner shaft (“X1” dimension).
   13. Cut off non-yoke end of outer driveline as follows:
      a. Measure from end of outer shield to scribed mark (“Y” dimension) and record.
      b. Cut off outer shield at the mark. Cut same amount off the outer shaft (“Y1” dimension).
   14. Remove all burrs and cuttings.
   15. Apply multi-purpose grease to the inside of the outer shaft and reassemble the driveline.
   16. Attach driveline to the spreader and tractor. Refer to “Driveline Installation” and “Driveline Hook-up” on page 10.
Section 1: Assembly & Set-up

FSP500, FSP700 & FSP1000 Broadcast Spreaders 309-065M

11/29/18

Check Driveline Minimum Length

Figure 1-8

1. With driveline attached only to the spreader, remove outer driveline (tractor end) from inner driveline to separate the two profiles.
2. Park tractor and spreader on a level surface.
3. Raise spreader until gearbox input shaft is level with tractor power take-off shaft. Securely block spreader at this height to keep the unit from lowering.
5. Attach outer driveline half to the tractor’s power take-off shaft. Refer to “Driveline Hook-up” on page 10.
6. Hold inner and outer drivelines parallel to each other as shown in Figure 1-6. Measure dimension “A”
   • If “A” is less than 2”, continue with step 10.
   • If “A” is greater than or equal to 2”, continue with step 7 below.
7. Remove outer driveline from the tractor and apply multi-purpose grease to the inside of its outer shaft.
8. Reassemble the two driveline halves together.
9. Implement end of the driveline should still be attached to the spreader gearbox. Hook-up tractor end of the driveline to the power take-off shaft. See “Driveline Hook-up” on page 10.

10. If dimension “A” is less than 2”, shorten driveline as follows:

Refer to Figure 1-7:
   a. Measure 2” (“B1” dimension) back from outer driveline shield and make a mark at this location on the inner driveline shield.
   b. Measure 2” (“B2” dimension) back from the inner driveline shield and make a mark at this location on the outer driveline shield.
11. Remove outer driveline from the tractor power take-off shaft and inner driveline from the spreader gearbox shaft.
12. Cut off non-yoke end of inner driveline as follows:
   a. Measure from end of inner shield to scribed mark (“X” dimension) and record.
   b. Cut off inner shield at the mark. Cut same amount off the inner shaft (“X1” dimension).
13. Cut off non-yoke end of outer driveline as follows:
   a. Measure from end of outer shield to scribed mark (“Y” dimension) and record.
   b. Cut off outer shield at the mark. Cut same amount off the outer shaft (“Y1” dimension).
14. Remove all burrs and cuttings.
15. Apply multi-purpose grease to the inside of the outer shaft and reassemble the driveline.
16. Attach driveline to the spreader and tractor. Refer to “Driveline Installation” and “Driveline Hook-up” on page 10.

Check Subcompact Tractor fit-up

Use instructions below when hooking-up a subcompact tractor or Kubota BX tractor. If the tractor is a standard size tractor, go to “Check Standard Tractor Fit-up” on page 11.

IMPORTANT: A driveline that is too long can bottom out causing structural damage to the tractor and implement. Always check driveline minimum length during initial setup, and when connecting to a different tractor. More than one driveline may be required to fit all applications.

Refer to Figure 1-8:
1. With driveline attached only to the spreader, remove outer driveline (tractor end) from inner driveline to separate the two profiles.
2. Park tractor and spreader on a level surface.
3. Raise spreader until gearbox input shaft is level with tractor power take-off shaft. Securely block spreader at this height to keep the unit from lowering.
5. Attach outer driveline half to the tractor’s power take-off shaft. Refer to “Driveline Hook-up” on page 10.
6. Hold inner and outer drivelines parallel to each other as shown in Figure 1-6. Measure dimension “A”
   • If “A” is less than 2”, continue with step 10.
   • If “A” is greater than or equal to 2”, continue with step 7 below.
7. Remove outer driveline from the tractor and apply multi-purpose grease to the inside of its outer shaft.
8. Reassemble the two driveline halves together.
9. Implement end of the driveline should still be attached to the spreader gearbox. Hook-up tractor end of the driveline to the power take-off shaft. See “Driveline Hook-up” on page 10.

Check Driveline Minimum Length

Figure 1-8

Check Subcompact Tractor fit-up

Use instructions below when hooking-up a subcompact tractor or Kubota BX tractor. If the tractor is a standard size tractor, go to “Check Standard Tractor Fit-up” on page 11.

IMPORTANT: A driveline that is too long can bottom out causing structural damage to the tractor and implement. Always check driveline minimum length during initial setup, and when connecting to a different tractor. More than one driveline may be required to fit all applications.

Refer to Figure 1-8:
1. With driveline attached only to the spreader, remove outer driveline (tractor end) from inner driveline to separate the two profiles.
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3. Raise spreader until gearbox input shaft is level with tractor power take-off shaft. Securely block spreader at this height to keep the unit from lowering.
5. Attach outer driveline half to the tractor’s power take-off shaft. Refer to “Driveline Hook-up” on page 10.
6. Hold inner and outer drivelines parallel to each other as shown in Figure 1-6. Measure dimension “A”
   • If “A” is less than 2”, continue with step 10.
   • If “A” is greater than or equal to 2”, continue with step 7 below.
7. Remove outer driveline from the tractor and apply multi-purpose grease to the inside of its outer shaft.
8. Reassemble the two driveline halves together.
9. Implement end of the driveline should still be attached to the spreader gearbox. Hook-up tractor end of the driveline to the power take-off shaft. See “Driveline Hook-up” on page 10.

10. If dimension “A” is less than 2”, shorten driveline as follows:

Refer to Figure 1-7:
   a. Measure 2” (“B1” dimension) back from outer driveline shield and make a mark at this location on the inner driveline shield.
   b. Measure 2” (“B2” dimension) back from the inner driveline shield and make a mark at this location on the outer driveline shield.
11. Remove outer driveline from the tractor power take-off shaft and inner driveline from the spreader gearbox shaft.
12. Cut off non-yoke end of inner driveline as follows:
   a. Measure from end of inner shield to scribed mark (“X” dimension) and record.
   b. Cut off inner shield at the mark. Cut same amount off the inner shaft (“X1” dimension).
13. Cut off non-yoke end of outer driveline as follows:
   a. Measure from end of outer shield to scribed mark (“Y” dimension) and record.
   b. Cut off outer shield at the mark. Cut same amount off the outer shaft (“Y1” dimension).
14. Remove all burrs and cuttings.
15. Apply multi-purpose grease to the inside of the outer shaft and reassemble the driveline.
16. Attach driveline to the spreader and tractor. Refer to “Driveline Installation” and “Driveline Hook-up” on page 10.
Check Driveline Interference
Refer to Figure 1-8:

**WARNING**

To avoid serious injury or death:

* A rotating driveline must not exceed an angle of 25 degrees up or down, and never engage a driveline while at an angle exceeding 25 degrees up or down. The driveline can break and send projectiles.

1. Start tractor and slowly fully raise implement while watching to make sure the driveline does not bottom out. Stop raising implement immediately if driveline does start to bottom out. If the driveline does bottom out while being raised, shorten the driveline further or limit the height the seeder can be raised.

2. With the implement fully raised, back implement over the support blocks used to “Check Driveline Collapsible Length”.


4. Check driveline angle to make sure it does not exceed 25° above horizontal.

5. If the 25° limit was exceeded, adjust tractor 3-point lift limiter to the height that will keep the driveline within the recommended limit. If left lever does not have a lift height limiter, make a mark with tape or other means to indicate maximum lift height.

6. If needed, repeat steps 1-5 until the maximum lift height can be maintained.

7. Start tractor, raise implement slightly, and drive forward enough to clear the support blocks.

8. Lower implement to ground and shut tractor down before dismounting. Refer to “Tractor Shutdown Procedure” on page 9.
Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, storage, and maintenance of the Broadcast Spreader. Therefore, it is absolutely essential that no one operates the spreader unless they are age 16 or older and have read, fully understood, and are totally familiar with the Operator’s Manual. Make sure the operator has paid particular attention to:

• Important Safety Information, page 1
• Section 1: Assembly & Set-up, page 7
• Section 2: Operation, page 14
• Section 3: Adjustments, page 17
• Section 5: Maintenance, page 22

Perform the following inspections before using your spreader.

Operating Checklist

<table>
<thead>
<tr>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read “Important Safety Information”</td>
<td>1</td>
</tr>
<tr>
<td>Make sure all guards and shields are in place.</td>
<td>1</td>
</tr>
<tr>
<td>Read “Tractor 3-Point Hook-up” instructions.</td>
<td>9</td>
</tr>
<tr>
<td>Read “Operating Instructions”</td>
<td>14</td>
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<tr>
<td>Lubricate the spreader as needed.</td>
<td>23</td>
</tr>
<tr>
<td>Refer to Lubrication.</td>
<td></td>
</tr>
<tr>
<td>Check the spreader initially and periodically for loose bolts &amp; pins, Torque Values Chart.</td>
<td>26</td>
</tr>
</tbody>
</table>

Make the following inspections after the spreader is attached to a tractor and before loading hopper with product.

1. Be sure driveline does not contact tractor or spreader when raising the spreader.
2. Make sure 3-Point control lever is locked in the up position to prevent unit from accidentally lowering onto the ground.
3. Be sure to reduce tractor ground speed when turning; and leave enough clearance so the spreader does not contact obstacles such as buildings, trees, or fences.
4. Select a safe ground speed when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
5. When traveling over rough or hilly terrain, shift tractor to a lower gear.
6. The Broadcast Spreader is equipped with a towing hook for trailers. Maximum towing weight is 1200 pounds.

Loading Hopper with Product

WARNING To avoid serious injury or death:

• Make sure safety labels are in their proper location and are in good condition before operating the attached implement. Read and obey all instructions on the labels.
• Always wear non slip shoes, gloves, protective clothing, safety glasses, and a breathing mask capable of filtering powders when filling hopper to prevent injury to the body and/or injury from inhalation of product. Refer to chemical manufacturers’ labels for specific protective requirements.
• Load hopper with product only after the Broadcast Spreader has been properly hitched to a tractor capable of handling a fully loaded hopper.

Transporting

WARNING To avoid serious injury or death:

• Select a safe ground speed when transporting. Never travel at a speed which does not allow adequate control of steering and stopping, and never exceed 20 mph (32.2 km/h) with attached equipment. Rough terrain requires a slower speed.
• When traveling on roadways, travel in such a way that other vehicles may pass you safely. Use LED lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.

IMPORTANT: Always disengage power take-off before raising Broadcast Spreader to transport position.
Section 2: Operation

Table of Contents

NOTE: Do not travel long distances or carry fertilizer bags stacked on top of product in the hopper. Both situations will cause fertilizer to compress resulting in improper discharge.

1. Stop tractor and Broadcast Spreader on a hard level surface before filling hopper.
2. Make sure power take-off is disengaged at the tractor and then lower hopper to ground.
3. Engage park brake, shut engine off, and remove ignition key before dismounting from tractor.
4. Check driveline to make sure it has not come apart in the middle or loose from the power take-off shafts due to lowering unit to ground.

IMPORTANT: Agitator should only be used with light fluffy material such as grass seeds. Do not use agitator with heavy dense materials such as fertilizer, salt, and sand. Doing so can break the agitator.

5. Check agitator to make sure it functions properly if product to be spread is a light fluffy material. Refer to “Agitator Assembly” on page 8: If product is a heavy dense material, unscrew M12 x 55 bolt (#2) and remove agitator assembly.
6. Check distributor vanes for wear.
7. Check discharge gates to make sure they open and close properly.
8. Close discharge gates, tighten lever locking knob, and insert hair pin cotter in the first hole just below the lift levers to ensure gates do not work open.

IMPORTANT: Product must be dry (not humid) without lumps to spread uniformly and correctly.


Operating Instructions

DANGER
To avoid serious injury or death:

- Do not carry a passenger on the Broadcast Spreader or tractor. Serious bodily injury or death can result from carrying someone.
- Do not allow anyone to climb inside the hopper for any reason. Serious injury or death can result from someone becoming entangled in the agitator.
- Do not allow any person or animal inside the danger zone (within a radius of 50 yards from the spreader) while power take-off is engaged. Stop application immediately should anyone come inside the danger zone. Product thrown from the spreader can cause bodily injury or death.

WARNING
To avoid serious injury or death:

- Always wear non slip shoes, gloves, protective clothing, safety glasses, and a breathing mask capable of filtering powders when servicing or lubricating your Broadcast Spreader. Refer to chemical manufacturers' labels for specific protective requirements.
- Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before allowing anyone including the operator to hook-up and unhook implement.
- Do not operate and/or travel across inclines where tractor and/or implement can roll over. Consult your tractor’s manual for acceptable inclines the tractor is capable of traveling across.
- Use a cab tractor with filters on the ventilation system or wear a breathing mask capable of filtering powders to prevent inhalation of product.
- Always park Broadcast Spreader on a hard level surface and always empty the hopper of product before disconnecting it from the tractor.

IMPORTANT: To distribute product more uniformly, operate spreader only on calm (non windy) days.

1. With gates closed and tractor engine set at idle, engage power take-off to verify everything is running smoothly. Increase power take-off speed to 540 rpm to complete verification. Remember to disengage power take-off immediately and shut tractor down if Broadcast Spreader vibrates excessively.
2. Shut power take-off and tractor down to continue field set-up.
3. Check to make certain spreader disc is level and between 27 1/2" to 31 1/2” above grade.
4. Make gate adjustments per instructions under “Dispersal Pattern” on page 17.
5. Fill poly hopper with precise amount of material to cover one acre or hectare. Make a test run traveling at the speed you intend to apply product while dispersing it over a pre marked acre or hectare to verify if any additional adjustments need to be made.
6. Adjust distributor vanes as needed. See “Distributor Vane Adjustment” on page 18.
7. Make a measurement of the spread pattern to be used later when applying product to the field.
8. Once all adjustments have been made and settings are satisfactory, lower hopper to ground and fill with product.
Section 2: Operation

General Operating Instructions

By now you should have properly installed your Land Pride Broadcast Spreader on your tractor. Based on the type of material and pounds per acre or kilograms per hectare you intend to broadcast, you should have referred to the spreading chart in the Operator’s Manual to determine the proper tractor ground speed, distribution gate opening, and spread pattern setting for your spreader. This process of taking prescribed fertilizer or seed label rates and making the necessary spreader setting adjustments is called “initial calibration.”

When setting your spreader up for initial calibration, following the chemical or seed supplier’s label directions and using the manufacturer’s application rate setting charts is “absolutely essential and required.” Once you have achieved your initial calibration, it is time to make “final calibration” adjustments. Measure off an area where chemicals or seed are to be applied. An acre or hectare is preferred. Measure out exactly enough product to cover the area at the manufacturer’s prescribed rate and put it in the hopper. You should have already determined the appropriate ground speed that will allow you to meet the application rate and also maintain 540 rpm power take-off speed.

Start the tractor and travel to the plot you have measured off. Maintaining proper ground and engine speed, engage the power take-off and open the distribution gate just as you move onto the plot. Look back often to observe your distribution width and pattern density. Typically the pattern won’t be as dense on the outer edges. As you make your turn for an adjacent pass, adjust your travel path to achieve uniform overlap and pattern density. You may need to close and open the distribution gate at the beginning and ending of each pass. Your hopper should empty out just as you complete coverage of your plot. If not, make the necessary adjustments until you are absolutely confident that you have achieved the proper final calibration.

Once you have achieved final calibration, load the spreader hopper with the appropriate amount of material to be spread. Do not overload hopper with more weight than is specified for your individual model. If the tractor front end becomes too light for proper steering, add tractor weights to the front end. Proceed with spreading operations looking back often to ensure a uniform distribution pattern and to make sure there are no interruptions to hopper flow.

With a little practice you should become a very good applicator. Once you are done spreading, disengage the power take-off, park the tractor, set the brake, shut off the tractor, and remove the keys. When finished, always clean out the spreader to prevent rust and corrosion.

Refer to Figure 2-1:

9. There are a variety of ways to spread product over a field. With \( D = \) spread pattern and \( D/2 = \) one half the spread pattern:
   a. Start tractor (1) in a field corner at a distance equal to \( (D/2) \) away from the field edge.
   b. Maintain this half distance from the field edge as you travel around the complete perimeter of the field.
   c. When approaching starting point (2), turn tractor when at distance \( (D) \) away from the first run and travel parallel to the first run until the tractor (#3) is at distance \( (D) \) away from end of field.
   d. Once you reach distance \( (D) \) from end of field, stop power take-off, turn tractor, and drive forward until at distance \( (D) \) away from the last run and then turn the tractor (4) again to head back across the field.
   e. Start power take-off when at distance \( (D) \) from the field edge and continue back parallel to the previous run until tractor (5) is again at distance \( (D) \) away from end of field.
   f. Continue this back and forth pattern (2 to 3, 4 to 5, 6 to 7 etc.) until field plot has been covered.

**NOTE:** To ensure full coverage (without skips), set spreader to disperse product at half the rate and go over the field plot twice using a 2nd pattern that crosses the first pattern.
Section 3: Adjustments

Dispersal Pattern
Refer to Figure 3-1, Figure 3-2 & Figure 3-3:
Product dispersal is controlled by properly opening and closing left and right gates at the hopper bottom with adjustment levers (#1 & #2).

Some adjustment to the distributor vanes may be required. See detailed instructions for “Distributor Vane Adjustment” on page 18.

Positioning right and left gate levers as follows:

Left Side Dispersal, View (A) in Figure 3-1
Refer to Figure 3-3:
1. Remove lever locking knob (#3).
2. Close right gate by moving adjustment lever (#1) above gate setting position #1.
3. Move adjustment lever (#2) to the selected gate setting provided in spreading charts on page 19 for lbs/acre and page 20 for kgs/hectare.
4. Secure adjustment lever (#2) by placing hair pin cotter (#5) in the selected gate setting hole with adjustment lever (#2) resting on top of hairpin (#5).

Full Width Dispersal, View (B) in Figure 3-1
Refer to Figure 3-2 & Figure 3-3:
1. Lock adjustment levers (#1 & #2) together with lever locking knob (#3).
2. Move adjustment levers together just above selected gate setting provided in spreading charts on page 19 for lbs/acre and page 20 for kgs/hectare.
3. Secure adjustment levers by placing hair pin cotter (#5) in the selected gate setting hole with adjustment levers resting on top of hairpin (#5).

Right Side Dispersal, View (C) in Figure 3-1
Refer to Figure 3-3:
1. Remove lever locking knob (#3).
2. Close left gate by moving adjustment lever (#2) up above gate setting position #1.
3. Move adjustment lever (#1) to the selected gate setting provided in spreading charts on page 19 for lbs/acre and page 20 for kgs/hectare.
4. Secure adjustment lever (#1) by placing hair pin cotter (#5) in the selected gate setting hole with adjustment lever (#1) resting on top of hairpin (#5).
Distributor Vane Adjustment

Product distribution varies depending on travel speed, radius of distribution, and roughness of terrain. Also, specific gravity, quality, and humidity of the product can effect distribution. To help ensure even distribution, the operator can adjust the distributor vanes to different hole locations on the spreader disc.

Refer to Figure 3-4:

When all vanes are placed in hole #1, distribution of product to the left is increased. If inserted into hole #4, distribution to the right is increases.

Final adjustment of the vanes depends upon the type of material being used and the operator’s experience.

1. Loosen M8 x 16 round head bolt (#1).
2. Rotate distributor vanes (#2) to desired hole position.
3. Tighten M8 bolts.
## Spreading Chart for Fertilizer & Seed (English)

<table>
<thead>
<tr>
<th>TRACTOR SPEED (MPH)</th>
<th>Spreader Width (Feet)</th>
<th>QUANTITY SPREAD IN LBS/ACRE AT VARIOUS GATE SETTINGS</th>
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</thead>
<tbody>
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<tr>
<td><strong>Large Granular Fertilizer</strong></td>
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<td>7.5</td>
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<td><strong>Medium Granular Fertilizer</strong></td>
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<tr>
<td><strong>Kentucky Blue Grass &amp; Bermuda Grass</strong></td>
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<tr>
<td><strong>Sudan Grass</strong></td>
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<tr>
<td><strong>Kentucky Blue Grass &amp; Bermuda Grass</strong></td>
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<tr>
<td><strong>Rye</strong></td>
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</table>
### Spreading Chart for Fertilizer & Seed (Metric)

<table>
<thead>
<tr>
<th>TRACTOR SPEED (KPH)</th>
<th>Spreader Width (Meters)</th>
<th>QUANTITY SPREAD IN KGS/HECTARE AT VARIOUS GATE SETTINGS</th>
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<tbody>
<tr>
<td></td>
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<td>Large Granular Fertilizer</td>
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<td>Medium Granular Fertilizer</td>
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<td>Fine Granular Fertilizer</td>
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<td>Crystal (Ammon Sulphate)</td>
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<td>Thomas Meal (Basic Slag)</td>
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<td>690</td>
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<tr>
<td>Wheat</td>
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<td>Alfalfa &amp; Clover</td>
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<tr>
<td>Fescue &amp; Ryegrass</td>
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<td>Red Clover</td>
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<tr>
<td>Kentucky Blue Grass &amp; Bermuda Grass</td>
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<tr>
<td>Rye</td>
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<td>13</td>
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</tr>
</tbody>
</table>
Polyester Hopper Cover

Refer to Figure 4-1:

A black vinyl coated polyester cover is offered as an option to keep material in the hopper and elements out. The cover is drawn up tight around the top of the hopper with a 3/8" shock cord and tied to secure it in place.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>891-145C</td>
<td>FSP500 HOPPER COVER</td>
</tr>
<tr>
<td>891-146C</td>
<td>FSP700 &amp; FSP1000 HOPPER COVER</td>
</tr>
</tbody>
</table>

Polyester Hopper Cover

Figure 4-1
Section 5: Maintenance

General Maintenance
Proper servicing and adjustments are key to the long life of any implement. With careful inspection and routine maintenance, you can avoid costly downtime and repair.

⚠️ WARNING
To avoid serious injury or death:
- Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting implement back into service. Serious breakdowns can result in injury or death.
- Maintenance, adjustments, and cleaning of the Broadcast Spreader must always be done with unit resting on the ground or on stable supports and with tractor park brakes applied, engine turned off, and ignition key removed.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.
- Always wear non-slip shoes, gloves, protective clothing, safety glasses, and a breathing mask capable of filtering powders when servicing, lubricating, or cleaning your Broadcast Spreader. Be sure to wear eye protection if cleaning with air or water. Refer to chemical manufacturers’ labels for specific protective requirements.

1. Check all bolts to be sure they are tight
2. Check driveline to make sure it has not come apart in the middle or loose from power take-off shafts.
3. Check agitator to make sure it moves freely.
4. Check distributor vanes and spreader disc for wear. Replace if worn out.
5. Check discharge gates and lifting mechanism for wear and mechanical operation.
6. Lubricate gearbox grease fitting and driveline as noted under Lubrication on page 23.
7. Repaint parts where paint is worn or scratched to prevent rust.
8. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride Dealer.

Long-Term Storage
Clean, inspect, service, and make necessary repairs to the implement after each use, when storing it for long periods, and at the end of the season. This will help to ensure the unit is ready for field use the next time you hook-up to it.

1. Empty hopper of product before unhooking unit from tractor.
2. Clean off all particles of fertilizer, dirt, and grease that may have accumulated on the frame, hopper, and moving parts.
3. Wash Broadcast Spreader thoroughly inside and outside with a garden hose. Make sure all particles of fertilizer have been removed. Allow to completely dry before closing gates.
4. Inspect for loose, damaged, or worn parts. Make needed adjustments, tighten loose parts, and replace damaged and worn parts.
5. Lubricate as noted under “Lubrication Points” on page 23.
6. Repaint parts where paint is worn or scratched to prevent rust. Ask your dealer for Aerosol Land Pride touch-up paint.

### Touch-Up Paint

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>821-070C</td>
<td>GLOSS BLACK ENAMEL SPRAY CAN</td>
</tr>
<tr>
<td>821-070CTU</td>
<td>GLOSS BLACK ENAMEL BOTTLE &amp; BRUSH</td>
</tr>
<tr>
<td>821-070CQT</td>
<td>GLOSS BLACK ENAMEL QUART</td>
</tr>
<tr>
<td>821-070CGL</td>
<td>GLOSS BLACK ENAMEL GALLON</td>
</tr>
</tbody>
</table>

7. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride Dealer.
8. Store spreader in a clean, dry place away from atmospheric conditions to protect unit from further deterioration.
9. Make sure the spreader is stable. Use auxiliary supports if necessary to prevent unit from tipping over accidentally.
Lubrication Points

<table>
<thead>
<tr>
<th>Lubrication Legend</th>
<th>25 Hours</th>
</tr>
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<tbody>
<tr>
<td>Multi-purpose spray lube</td>
<td>Seasonally</td>
</tr>
<tr>
<td>Multi-purpose grease lube</td>
<td></td>
</tr>
<tr>
<td>Multi-purpose oil lube</td>
<td></td>
</tr>
<tr>
<td>50 Hrs</td>
<td>intervals in hours at which lubrication is required</td>
</tr>
</tbody>
</table>

Driveline

Grease all knuckle points daily. This includes the zerks, and tubes of the driveline shaft.

**NOTE:** DO NOT OVERFILL, SEAL DAMAGE CAN OCCUR. There is no purge hole in gearbox! Gearbox can be checked for grease level by removing grease zerk. Grease should be up to bottom of zerk hole when full.

Gearbox

Type of Lubrication:
Use Lithium Base gun grease, Grade 2 rated for gearbox application.

Quantity = 3 pumps every 25 hours.
### FSP500, FSP700 & FSP1000 Broadcast Spreaders

#### Specifications & Capacities

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>FSP500</th>
<th>FSP700</th>
<th>FSP1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (maximum Cu.ft. &amp; pounds)</td>
<td>5.83 cu. ft. (350 lbs.)</td>
<td>9.18 cu. ft. (563 lbs.)</td>
<td>12.18 cu. ft. (673 lbs.)</td>
</tr>
<tr>
<td>Overall dimensions</td>
<td>37&quot; x 40&quot;</td>
<td>44&quot; x 46&quot;</td>
<td>46.8&quot; x 46&quot;</td>
</tr>
<tr>
<td>Loading height</td>
<td>36&quot;</td>
<td>41&quot;</td>
<td>44.5&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>119</td>
<td>128</td>
<td>139</td>
</tr>
<tr>
<td>3-Point attachment</td>
<td>Category 1</td>
<td>Category 1</td>
<td>Category 1</td>
</tr>
<tr>
<td>Net spreadable width</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Granular</td>
<td>39' - 46'</td>
<td>39' - 46'</td>
<td>39' - 46'</td>
</tr>
<tr>
<td>Crystalline</td>
<td>20' - 23'</td>
<td>20' - 23'</td>
<td>20' - 23'</td>
</tr>
<tr>
<td>Power take-off shaft type</td>
<td>1 3/8&quot;</td>
<td>1 3/8&quot;</td>
<td>1 3/8&quot;</td>
</tr>
<tr>
<td>Transmission ratio</td>
<td>1:1</td>
<td>1:1</td>
<td>1:1</td>
</tr>
<tr>
<td>Min. tractor horsepower</td>
<td>15 hp</td>
<td>18 hp</td>
<td>20 hp</td>
</tr>
<tr>
<td>Range of spreading</td>
<td>lbs/acre</td>
<td>kgs/hectare</td>
<td></td>
</tr>
<tr>
<td>Possibility</td>
<td>44 - 890</td>
<td>49 - 998</td>
<td></td>
</tr>
<tr>
<td></td>
<td>44 - 890</td>
<td>49 - 998</td>
<td>44 - 890</td>
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</table>

#### Specification Drawing

**Figure 6-1**

---

13613
### FSP500, FSP700 & FSP1000 Broadcast Spreaders

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>Hopper capacity</td>
<td>FSP500-350 lbs.; FSP700-563 lbs.; FSP1000-673 lbs. to meet specific customer needs.</td>
</tr>
<tr>
<td>Spreading capacity</td>
<td>Highly productive at 44 to 890 lbs. per acre and 49 to 998 kgs/hectare.</td>
</tr>
<tr>
<td>Spin-type broadcast</td>
<td>For even spreading and productive coverage up to 54 ft.</td>
</tr>
<tr>
<td>One piece molded polyethylene hopper</td>
<td>Plastic construction to eliminate corrosion. Seamless for accurate and consistent emptying.</td>
</tr>
<tr>
<td>Heavy-duty tubular frame</td>
<td>Supports the weight when full.</td>
</tr>
<tr>
<td>Tow hook</td>
<td>Handles up to 1200 pounds.</td>
</tr>
<tr>
<td>540 rpm shielded power take-off</td>
<td>For added safety.</td>
</tr>
<tr>
<td>Shielded front</td>
<td>Prevents spreading of material in front of the spreader.</td>
</tr>
<tr>
<td>Stainless steel distributor vanes</td>
<td>Protects from corrosive material to enhance longevity.</td>
</tr>
<tr>
<td>Adjustable distributor vanes</td>
<td>Four adjustable positions to obtain maximum spreading precision and uniformity.</td>
</tr>
<tr>
<td>Plastic agitator wheel with steel arm</td>
<td>Standard equipment and should only be used when spreading light fluffy materials such as grass seeds and some light aerated powders that tend to bridge.</td>
</tr>
<tr>
<td>Stainless steel orifice doors</td>
<td>Protects from corrosive material enabling doors to operate smoothly.</td>
</tr>
<tr>
<td>Plated adjustment levers</td>
<td>Protects from corrosive material to enhance longevity.</td>
</tr>
<tr>
<td>Cat. 1 3-Point hitch</td>
<td>For attachment to a wide range of tractors.</td>
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## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
<th>Bolt Size (Metric)</th>
<th>Class 5.8</th>
<th>Class 8.8</th>
<th>Class 10.9</th>
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<tbody>
<tr>
<td>in-tpi</td>
<td>N·m</td>
<td>ft-lb</td>
<td>N·m</td>
<td>ft-lb</td>
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<tr>
<td>1/4” - 20</td>
<td>7.4</td>
<td>5.6</td>
<td>11</td>
<td>8</td>
<td>16</td>
<td>12</td>
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<td>1/4” - 28</td>
<td>8.5</td>
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<td>13</td>
<td>10</td>
<td>18</td>
<td>14</td>
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<tr>
<td>5/16” - 18</td>
<td>15</td>
<td>11</td>
<td>24</td>
<td>17</td>
<td>33</td>
<td>25</td>
<td>M 5 X 0.8</td>
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<tr>
<td>5/16” - 24</td>
<td>17</td>
<td>13</td>
<td>26</td>
<td>19</td>
<td>37</td>
<td>27</td>
<td>M 6 X 1</td>
</tr>
<tr>
<td>3/8” - 16</td>
<td>27</td>
<td>20</td>
<td>42</td>
<td>31</td>
<td>59</td>
<td>44</td>
<td>M 8 X 1.25</td>
</tr>
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<td>3/8” - 24</td>
<td>31</td>
<td>22</td>
<td>47</td>
<td>35</td>
<td>67</td>
<td>49</td>
<td>M 8 X 1</td>
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<td>7/16” - 14</td>
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<td>32</td>
<td>67</td>
<td>49</td>
<td>95</td>
<td>70</td>
<td>M10 X 1.5</td>
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<td>7/16” - 20</td>
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<td>M10 X 0.75</td>
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<td>1/2” - 13</td>
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<td>105</td>
<td>76</td>
<td>145</td>
<td>105</td>
<td>M12 X 1.75</td>
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<tr>
<td>1/2” - 20</td>
<td>75</td>
<td>55</td>
<td>115</td>
<td>85</td>
<td>165</td>
<td>120</td>
<td>M12 X 1.5</td>
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<tr>
<td>9/16” - 12</td>
<td>95</td>
<td>70</td>
<td>150</td>
<td>110</td>
<td>210</td>
<td>155</td>
<td>M12 X 2</td>
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<tr>
<td>9/16” - 18</td>
<td>105</td>
<td>79</td>
<td>165</td>
<td>120</td>
<td>235</td>
<td>170</td>
<td>M14 X 2</td>
</tr>
<tr>
<td>5/8” - 11</td>
<td>130</td>
<td>97</td>
<td>205</td>
<td>150</td>
<td>285</td>
<td>210</td>
<td>M14 X 1.5</td>
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<tr>
<td>5/8” - 18</td>
<td>150</td>
<td>110</td>
<td>230</td>
<td>170</td>
<td>325</td>
<td>240</td>
<td>M16 X 1.5</td>
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<tr>
<td>3/4” - 10</td>
<td>235</td>
<td>170</td>
<td>360</td>
<td>265</td>
<td>510</td>
<td>375</td>
<td>M16 X 2</td>
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<tr>
<td>3/4” - 16</td>
<td>260</td>
<td>190</td>
<td>405</td>
<td>295</td>
<td>570</td>
<td>420</td>
<td>M18 X 2.5</td>
</tr>
<tr>
<td>7/8” - 9</td>
<td>225</td>
<td>165</td>
<td>585</td>
<td>430</td>
<td>820</td>
<td>605</td>
<td>M18 X 1.5</td>
</tr>
<tr>
<td>7/8” - 14</td>
<td>250</td>
<td>185</td>
<td>640</td>
<td>475</td>
<td>905</td>
<td>670</td>
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<td>1” - 8</td>
<td>340</td>
<td>250</td>
<td>875</td>
<td>645</td>
<td>1230</td>
<td>910</td>
<td>M20 X 1.5</td>
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<tr>
<td>1” - 12</td>
<td>370</td>
<td>275</td>
<td>955</td>
<td>705</td>
<td>1350</td>
<td>995</td>
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<td>1-1/8” - 7</td>
<td>480</td>
<td>355</td>
<td>1080</td>
<td>795</td>
<td>1750</td>
<td>1290</td>
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</tr>
<tr>
<td>1-1/8” - 12</td>
<td>540</td>
<td>395</td>
<td>1210</td>
<td>890</td>
<td>1960</td>
<td>1440</td>
<td>M30 X 3.5</td>
</tr>
<tr>
<td>1-1/4” - 7</td>
<td>680</td>
<td>500</td>
<td>1520</td>
<td>1120</td>
<td>2460</td>
<td>1820</td>
<td>M30 X 2</td>
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<tr>
<td>1-1/4” - 12</td>
<td>750</td>
<td>555</td>
<td>1680</td>
<td>1240</td>
<td>2730</td>
<td>2010</td>
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<tr>
<td>1-1/2” - 6</td>
<td>890</td>
<td>655</td>
<td>1990</td>
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<td>4290</td>
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<td>1-1/4” - 12</td>
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<td>980</td>
<td>2970</td>
<td>2190</td>
<td>4820</td>
<td>3560</td>
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</table>

1 in-tpi = nominal thread diameter in inches-threads per inch
2 N·m = newton-meters
3 ft-lb = foot pounds
4 mm x pitch = nominal thread diameter in millimeters x thread pitch

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.
Warranty

Land Pride warrants to the original purchaser that this Land Pride product will be free from defects in material and workmanship beginning on the date of purchase by the end user according to the following schedule when used as intended and under normal service and conditions for personal use.

Overall Unit: One year Parts and Labor

Gearbox and Driveline: One year Parts and Labor

This Warranty is limited to the repair or replacement of any defective part by Land Pride and the installation by the dealer of any such replacement part, and does not cover common wear items. Land Pride reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

This Warranty does not apply to any part or product which in Land Pride’s judgment shall have been misused or damaged by accident or lack of normal maintenance or care, or which has been repaired or altered in a way which adversely affects its performance or reliability, or which has been used for a purpose for which the product is not designed. Misuse also specifically includes failure to properly maintain oil levels, grease points, and driveline shafts.

Claims under this Warranty should be made to the dealer which originally sold the product and all warranty adjustments must be made through an authorized Land Pride dealer. Land Pride reserves the right to make changes in materials or design of the product at any time without notice.

This Warranty shall not be interpreted to render Land Pride liable for damages of any kind, direct, consequential, or contingent to property. Furthermore, Land Pride shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to loss of crops, any expense or loss for labor, supplies, rental machinery or for any other reason.

No other warranty of any kind whatsoever, express 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 with Land Pride within 30 days from the date of purchase.

IMPORTANT: The Online Warranty Registration should be completed by the dealer at the time of purchase. This information is necessary to provide you with quality customer service.

Model Number ____________________ Serial Number ____________________