OWNERS MANUAL

Model No. 45-02101

BROADCAST SPREADER (PUSH)

CAUTION: Read Rules for Safe Operation and Instructions Carefully

- Assembly
- Operation
- Maintenance
- Repair Parts
RULES FOR SAFE OPERATIONS

The following safety precautions are suggested. This broadcast spreader is designed, engineered and tested to offer reasonably safe and effective service, provided it is operated in strict accordance with these instructions. Failure to do so may result in personal injury. Always observe the rules of safe operation.

1. Do not allow anyone to operate the broadcast spreader without proper instructions.

2. Do not permit children to operate the broadcast spreader.

3. Eye protection should be worn when operating spreader.

4. Keep all nuts, bolts and screws tight to be sure equipment is in safe working condition.

5. Read instructions and caution notes for handling/spreading of materials purchased for spreading.

6. Follow maintenance and lubrication instructions as outlined in this manual.

LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS – ATTENTION. BECOME ALERT. YOUR SAFETY IS INVOLVED.

Your broadcast spreader carton contains parts as shown in figure 1. The hardware package contains parts shown in figure 2 on page 3. Identify all parts any layout as shown in figures 1 and 2.

CARTON CONTENTS

LOOSE PARTS IN CARTON

1. Handle Tube (long)
2. Braces
3. Flow Control Mount Bracket
4. Flow Control Gage
5. Flow Control Arm
6. Handle Tube (Short)
7. Flow Control Rod
8. Leg Stand Tube
9. Wheels (R.H. and L.H.)
10. Hopper Assembly
11. Hardware Package (not shown)

CARTON CONTENTS

FIGURE 1
FIGURE 2 - HARDWARE PACKAGE

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<th>REF. NO.</th>
<th>QTY.</th>
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<td>Cotter Pin 3/32&quot; x 3/4&quot; Long</td>
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<td>Extension Spring</td>
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<td>Flat Washer, 5/16&quot;</td>
<td>O</td>
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<td>Cotter Pin, 1/8&quot; x 1-1/2&quot; Long</td>
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<tr>
<td>G</td>
<td>2</td>
<td>Handle Grip</td>
<td>P</td>
<td>2</td>
<td>Hex Bolt, 1/4-20 x 1-1/2&quot; Long</td>
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<tr>
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<td>Vinyl Cap</td>
<td>Q</td>
<td>1</td>
<td>Flow Control Link</td>
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<tr>
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<td>1</td>
<td>Spacer, 1&quot; O.D. x 1.33&quot; Long</td>
<td>R</td>
<td>1</td>
<td>Carriage Bolt, 1/4-20 x 3/4&quot; Long</td>
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</table>

FULL SIZE HARDWARE REFERENCE CHART
ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED FOR ASSEMBLY

(1) Pliers
(2) 7/16" Open or Boxed End Wrench
(2) 1/2" Open or Boxed End Wrench
(2) 9/16" Open or Boxed End Wrench

1. Remove the spreader, loose parts and hardware package from the carton. See figures 1 and 2.

2. Turn the spreader upside down as shown in figure 3, so that it rests on the hopper.

3. Assemble the 1" O.D. x 1.33" long spacer and one 1-5/8" diameter flat washer to end of axle, having the smallest hole. See figure 4.

4. Assemble the 1" O.D. x 1.0" long spacer and one 1-5/8" dia. flat washer to other end of axle.

5. Place wheel assembly without hole through hub (air valve to the outside) onto axle end having the smallest hole and secure with 1-5/8" diameter flat washer and 1/8" x 1-5/8" cotter pin. See figure 5. Use extra 1-5/8" diameter flat washer if needed to take up play.
6. Place the drive wheel (with hole through hub) onto the other end of axle (air valve to the outside) and secure with 1/4" x 1-3/4" hex bolt and 1/4" hex lock nut. See figure 6.

![Figure 6](image)

7. Lay the broadcast spreader down so it rests on its front. (Flow chart should be up).

8. Remove the 3/8" hex bolt, flat washer and hex lock nut from the center of the crossover tube. See figure 7.

![Figure 7](image)

9. Place the handle tube (long) on the crossover tube, align the holes in handle tube, crossover tube and shaft support. Assemble with 3/8" hex bolt, flat washer and hex nut removed in step 8. See figures 7 and 8. MAKE ONLY FINGER TIGHT AT THIS TIME.

![Figure 8](image)

10. Assemble the two hitch braces to the inside of the hopper frame, one on each side, using two 1/4" x 1-3/4" hex bolts and two 1/4" lock nuts. See figure 8. DO NOT TIGHTEN AT THIS TIME.

11. Align the holes in the ends of the two hitch braces with the nearest hole in the handle tube assembly, secure with 1/4" x 1-3/4" hex bolt and 1/4" lock nut. See figure 8.

12. Tighten all hex nuts and bolts, following same sequence as assembled in steps 9, 10 and 11. DO NOT COLLAPSE TUBE WHEN TIGHTENING.
13. Assemble the leg stand tube to the handle tube (long) using two (2) 1/4" x 1-1/2" hex bolts. Secure tightly with two (2) 1/4" hex lock nuts. See figure 9.

14. Place vinyl cap on the leg stand tube. See figure 9.

15. Assemble the flow control link (the end with smallest hole) to the flow control arm using one 1/4" x 5/8" hex bolt and one 1/4" lock nut. See figure 10. **DO NOT OVERTIGHTEN. THE FLOW CONTROL LINK MUST PIVOT FREELY.**

16. Place vinyl grip on the flow control arm. See figure 10.

17. Assemble the flow control arm to the flow control mounting bracket using one 1/4" x 5/8" hex bolt and one 1/4" lock nut. See figure 11. **DO NOT OVERTIGHTEN. FLOW CONTROL ARM MUST PIVOT FREELY.**

18. Hook one end of extension spring through small hole near bend in flow control rod and the other end through hole in flow control mounting bracket. See figure 11.
19. Place a 5/16" flat washer over the end of flow control rod, and insert end of rod through slot in flow control mount bracket and through the hole in flow control link. Secure with a 3/32" x 3/4" cotter pin. See figure 12.

20. Hook free end of flow control rod through hole in slide gate bracket located near bottom of hopper. See figure 13.

21. Assemble the flow control mounting bracket and the handle tube (short) to the handle tube (long) using two 1/4" x 1-3/4" hex bolts, two 5/16" flat washers and two 1/4" hex lock nuts. See figure 14. **DO NOT TIGHTEN AT THIS TIME.**

22. Place a handle grip on each handle tube. See figure 14.

23. Assemble the flow control gage onto the flow control mounting bracket using a 1/4" x 3/4" carriage bolt, a nylon washer and hand knob. See figure 15.

24. Move flow control arm to off position and push flow control mounting bracket toward hopper until closure plate (located in bottom of hopper) is completely closed. Tighten 1/4" hex lock nuts assembled in step 21. See figure 15.

25. Pre-lubricate per lubrication section on page 9 before operating spreader.
OPERATION
The application spread pattern should overlap to
insure uniform coverage at the edges. The approx-
imate distance between each pass is shown in the
application diagram. See figure 16.
APPLICATION DIAGRAM

FLOWS RATE CHART

<table>
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<th>MATERIAL</th>
<th>TYPE</th>
<th>Flow Rate Setting At 3 M.P.H.</th>
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<tr>
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<td>Light</td>
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<tr>
<td>Fertilizer</td>
<td>Granular ---</td>
<td>3</td>
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<tr>
<td></td>
<td>Pelleted ---</td>
<td>5</td>
</tr>
<tr>
<td>Grass Seed</td>
<td>Fine-Bluegrass, Coarse-Rye, Fescue,</td>
<td>2</td>
</tr>
<tr>
<td>Ice Melters</td>
<td>Granular Pelleted</td>
<td>6</td>
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</table>

NOTE
Do not use powdered lime, only
granulated materials are approved for
use.

1. Determine approximate square footage of area
to be covered and estimate amount of fertilizer
or seed required.

2. With flow control arm in off position, set flow
rate gage at number indicated in flow rate chart—light or heavy application rate. Also, refer
to the bag instructions for manufacturers
recommended settings.

3. Break up lumpy fertilizer as you fill hopper.

4. To broadcast, always have spreader in motion
before opening closure plate. Do not allow
spreader to sit stationary with flow control arm
in ON position. If fertilizer is accidentally
deposited too heavily in a small area, soak down
thoroughly with garden hose or sprinkler to
prevent burning of lawn.

IMPORTANT: Application rates (shown on chart)
are affected by humidity and moisture content
of material (granular and pellet); therefore, minor
setting adjustments may be necessary to
compensate for this condition. The rate chart
is calculated for light and heavy application. The
faster you walk, the wider the broadcast width.
A variation in speed will determine the flow
rates and width of broadcast.

CAUTION
When broadcasting weed control
fertilizers make sure broadcast pattern
does not hit evergreen trees, flowers
or shrubs.
MAINTENANCE

1. Do not store spreader with any material left in hopper.
2. Clean your spreader after use. Flush thoroughly with water.
3. If for any reason the axle, gear and sprocket assembly is disassembled, be sure to mark position of parts as they are removed. Drive wheel and sprocket position determine relation direction of spreader plate. See figure 5. With reassembly of gear and sprocket use shim washers (see page 10 Ref. No. 21) as needed for minimum backlash. Add grease to gear and sprocket.
4. If agitator wire becomes damaged or worn it can be replaced. Loosen 3/8" lock nut on the top of sprocket shaft until agitator wire is free. Remove old agitator wire from hole in agitator sleeve and replace with new agitator wire. Position agitator wire so that sprocket shaft turns freely and tighten 3/8" lock nut on top of sprocket shaft. See figure 18.

5. Keep tires inflated to 15-20 P.S.I. Do not over inflate.

6. Heavy moisture conditions may require a cover over the hopper to keep contents dry. The vinyl cover acts as a wind and moisture shield, but should not be used as rain cover. See figure 19.

LUBRICATION

(See figure 20)

1. Apply a little automotive grease as needed to the sprocket and gear.
2. Oil nylon bushings on sprocket shaft as shown in figure 20.
3. Oil axle/shaft bushing on axle as shown in figure 20.
4. Oil right hand wheel bearing as needed.
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</table>

*Purchase common hardware locally.
AGRI-FAB LIMITED WARRANTY

WHO IS COVERED: This Warranty covers only the original retail purchaser of an AGRI-FAB product or part. It is not transferable.

HOW LONG DOES COVERAGE LAST: This Warranty remains in force for 1 year from the date of purchase.

WHAT IS COVERED: Any defect in material or workmanship of your AGRI-FAB product or part.

WHAT IS NOT COVERED:
1. This warranty does not apply to the engine or components parts thereof. Please refer to the applicable manufacturer’s warranty on these items.
2. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by AGRI-FAB.
3. This Warranty applies only to products, which have been properly assembled, adjusted, operated, and maintained in accordance with the instructions furnished. This Warranty does not apply to any product, which has been subjected to alteration, misuse, abuse, improper assembly or installation, delivery damage, or to normal wear of the product.
4. Exclusions: Excluded from this Warranty are belts, blades, blade adapters, normal wear, normal adjustments, standard hardware and normal maintenance.
5. AGRI-FAB does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through AGRI-FAB’s authorized channels of export distribution.

WHAT AGRI-FAB WILL DO: Repair or replace your AGRI-FAB product or part.

HOW TO GET SERVICE: Deliver the AGRI-FAB product or part to AGRI-FAB’s local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of AGRI-FAB, Inc., and P.O. BOX 903, SULLIVAN, ILLINOIS 61951. The return of a product or part to AGRI-FAB will not be accepted unless prior written permission has been extended by AGRI-FAB.

THE DURATION OF ANY IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO THE DURATION OF THE ABOVE EXPRESS WARRANTY. THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE THE CUSTOMER’S SOLE AND EXCLUSIVE REMEDIES. EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS LIMITED WARRANTY, IN NO EVENT SHALL AGRI-FAB BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

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REPAIR PARTS
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