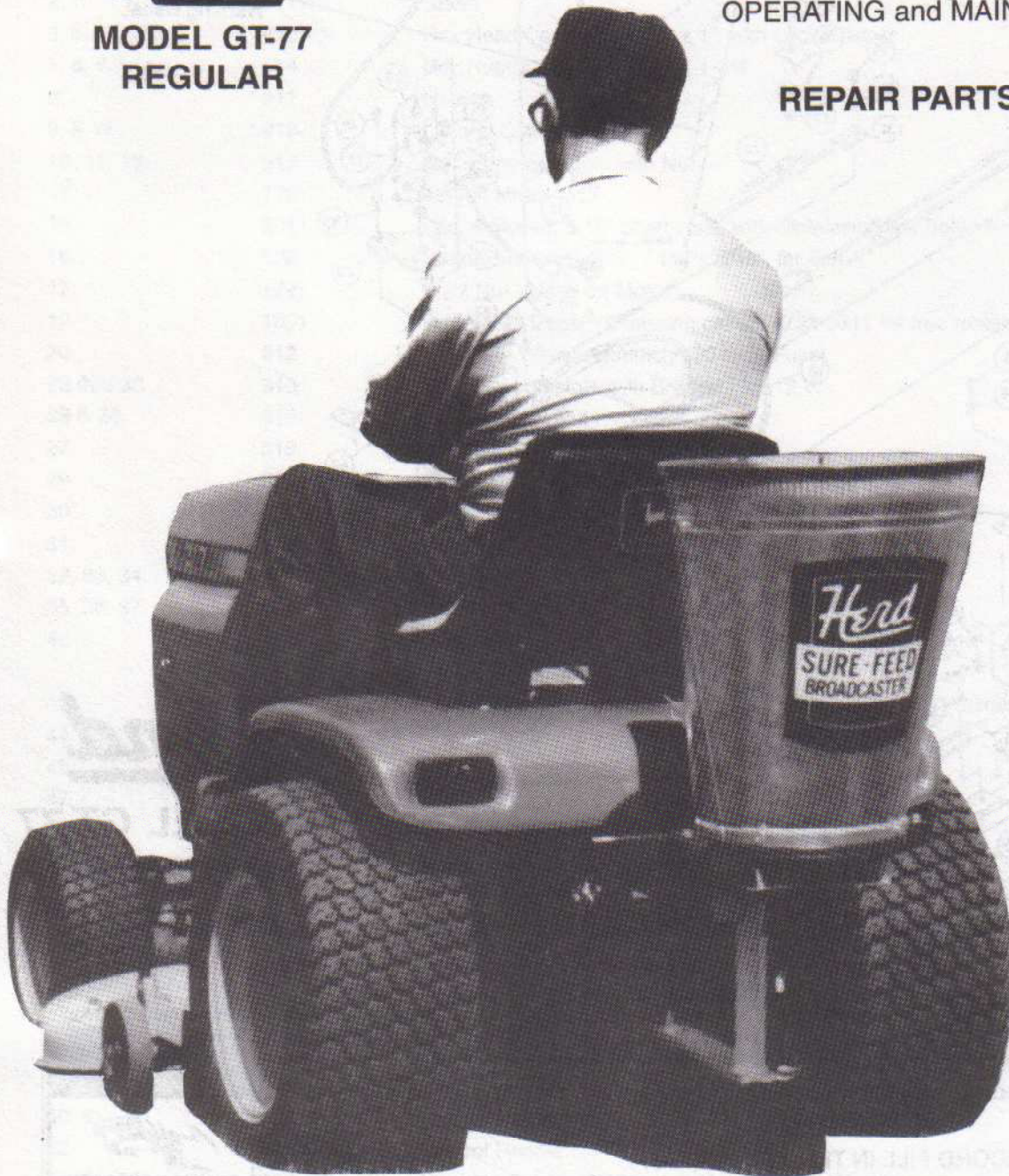


# *Herd* SURE-FEED BROADCASTER

*Herd*  
MODEL GT-77  
REGULAR

Instructions for  
ASSEMBLY, MOUNTING, BROADCASTING,  
OPERATING and MAINTENANCE

REPAIR PARTS LIST

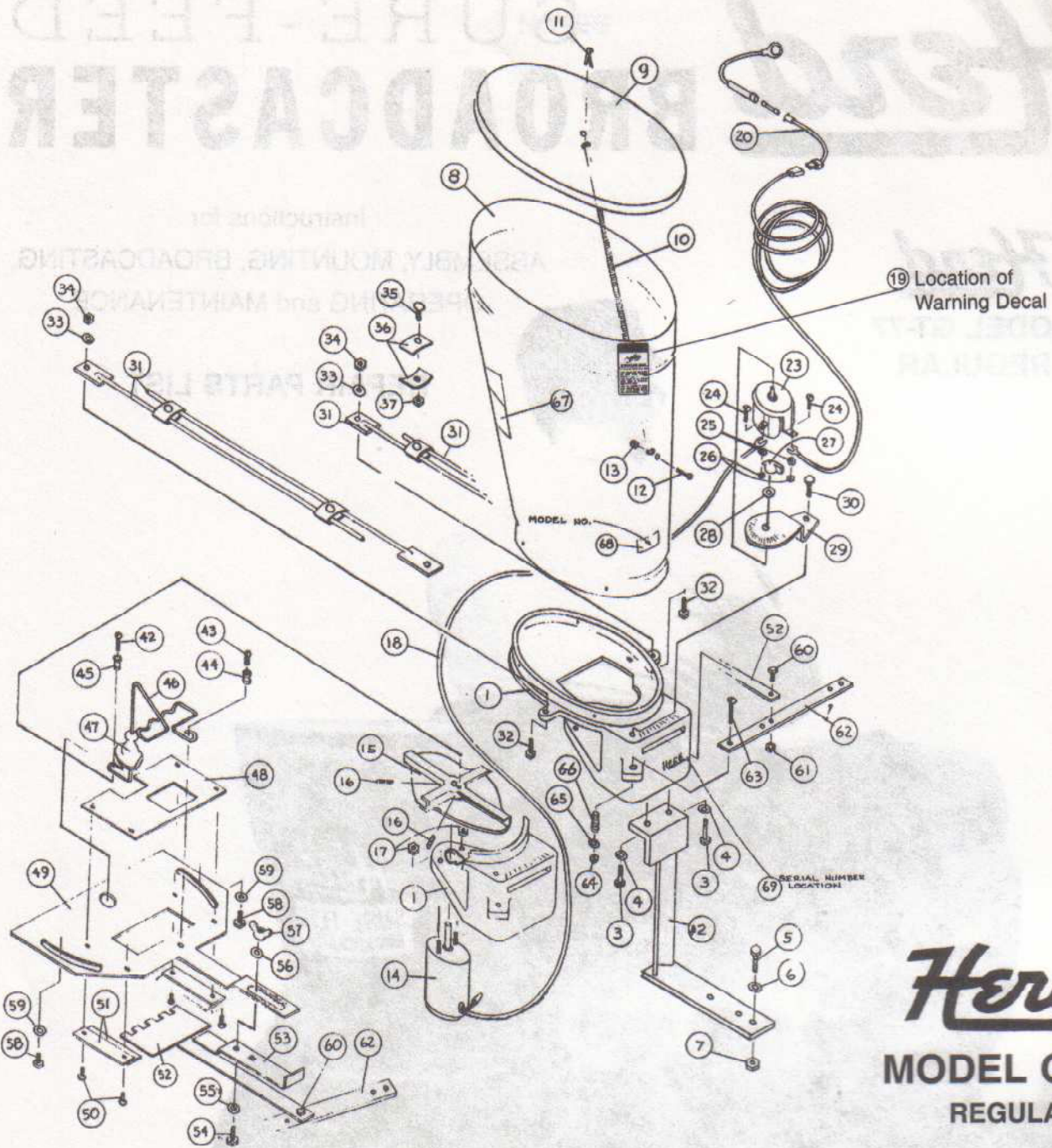


**HERD SEEDER COMPANY, INC.**

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P.O. BOX 448  
2383 SOUTH U.S. 35  
LOGANSPORT, INDIANA 46947  
574-753-6311  
FAX: 574-722-4106

PURE-FEED  
BROADCASTER



# Herd

## MODEL GT-77 REGULAR

WARNING DECAL — if missing from seeder call 574-753-6311 for free replacement



**“CAUTION”** KEEP HANDS, FINGERS AND LOOSE CLOTHING WELL AWAY FROM SPINNING FAN OR INJURY MAY RESULT.  
Disconnect power supply before making any adjustments or repairs to seeder.

FOR YOUR OWN RECORD FILL IN THE FOLLOWING:

Date Purchased \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchased From \_\_\_\_\_

Model Number \_\_\_\_\_

WARNING DECAL

**WARNING**

**SPINNING BLADES HAZARD**

To Prevent Serious Personal Injury or Death:

- KEEP HANDS, FEET AND CLOTHING AWAY FROM SPINNING BLADES.
- STAY CLEAR OF ALL MOVING PARTS WHEN IN OPERATION. KEEP OTHERS AWAY.
- KEEP ALL GUARDS IN PLACE. STOP MACHINE AND DISCONNECT POWER BEFORE ADJUSTING, LUBE OR SERVICE. Part No.1001

**PARTS and ACCESSORIES for MODEL GT-77 BROADCASTER  
SHOWN IN DRAWING**

When ordering parts, order by both part name and number (not drawing number). Always give Model number (located at No. 68 on drawing) and Serial number (located at No. 69 on drawing).

<u>DRAWING NUMBER</u>	<u>PART NUMBER</u>	<u>NAME OF PART</u>	<u>NUMBER REQUIRED</u>
1.	500	Grey-Iron Base for GT-77 (casting)	1
2.	511	Stand	1
3. & 4.	410A	Hex Head Capscrew - 1/2" x 1", with Lock Washer	2
5, 6, 7.	514	Hex Head Capscrew - 1/2" x 1-3/4"	1
8.	911	Hopper	1
9. & 11.	912	Lid and Cotter Key	1
10, 12, 13.	913	Lid Spring and Bolt, with Nut	1
14.	778	12-Volt Motor	1
15.	501	Fan, 4-bladed, 5/16" Shaft Hole, with Stainless Steel Setscrews	1
16.	502	Socket Setscrew, S.S., - 1/4" x 5/16", for Fan	2
17.	779	Whiz Nut - Used on Motor	2
19.	1091	WARNING Decal - If missing call 219-753-6311 for free replacement.	1
20.	812	Complete Wiring Assembly (20 Amp Fuse)	1
23 thru 30	813	Rheostat complete with Bracket - for 12 V.	1
23 & 28.	818	Rheostat and Nut	1
27.	819	Knob for Rheostat	1
29.	820	Bracket for Rheostat	1
30.	107	Bracket Bolt - 1/4" x 1/2", with Washer	1
31.	512	Brace Rod - 5/16" Hole in End	4
32, 33, 34.	407	Hex Head Capscrew - 5/16" x 1", with Washer and Nut	2
35, 36, 37.	924	Brace Rod Clamp, Complete	2
42.	781	Round-head Machine Screw, Left-Hand Thread - Used to bolt bronze bushing to Fan	1
43.	507	Round-head Machine Screw, St. St. - 3/16" x 3/8", with Washer	1
44. 45.	503	Bronze Agitator Bushing - Used on Fan & Pivot Plate	2
46.	209	Agitator - Stainless Steel	1
47.	508L	Nipple - Used on Agitator	1
48.	517	Blocking Plate - Optional (Must be purchased separately)	1
49.	802S	Pivot Plate - Stainless Steel	1
50.	510	Round-head Machine Screw, St. St. - 3/16" x 3/8"	4
51.	509	Guide Assemblies for Seed Gate (1 Set Consists of 2) - Stainless Steel	2 sets
52.	504	Opening Plate with Connecting Linkage - St. St.	1
53.	803S	Opening Gauge Control Plate - Works with Pivot Plate 802S Stainless Steel	1
54, 55, 56, 57.	515	Whiz Lock Bolt, St.St. - 1/4" x 1/2", with Wing Nut and Washers	1
58, 59.	516	Hex Head Capscrew, St.St. - 1/4" x 1/2", with Washer	2
60, 61.	505	Pan Head Bolt, St.St. - 1/4" x 1/2", with Locking Nut	1
62.	792	Control Handle	1
63, 64, 65.	806	Machine Screw - 3/16" x 1-3/4", with Nut & Washer	1
66.	807	Compression Spring - Used on Handle Bolt	1
67.	831	"Herd Sure-Feed Broadcaster" Decal	1
68.	210	Model Number Decal (Model GT-77)	1
69.		Serial Number Location on Parts Drawing	

When ordering parts, give the part number and quantity. Always give model number and date of issue.

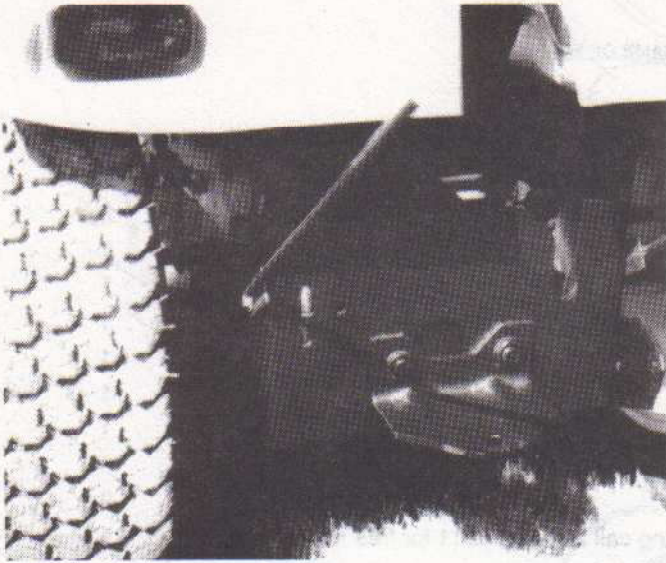


Photo 1

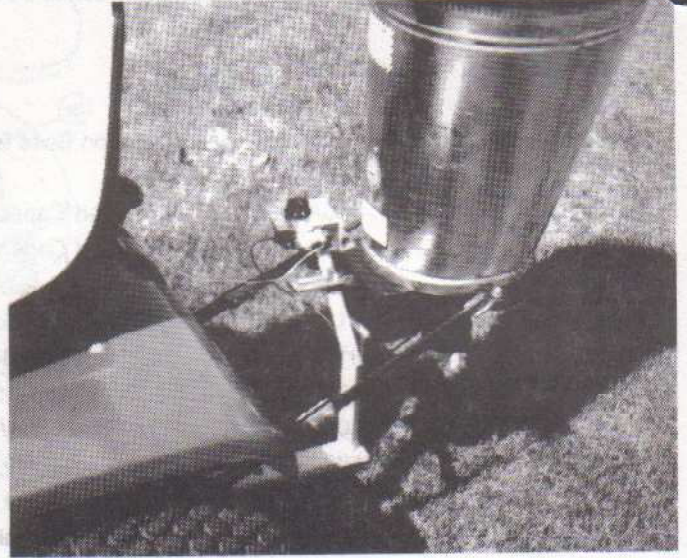


Photo 2



Photo 3

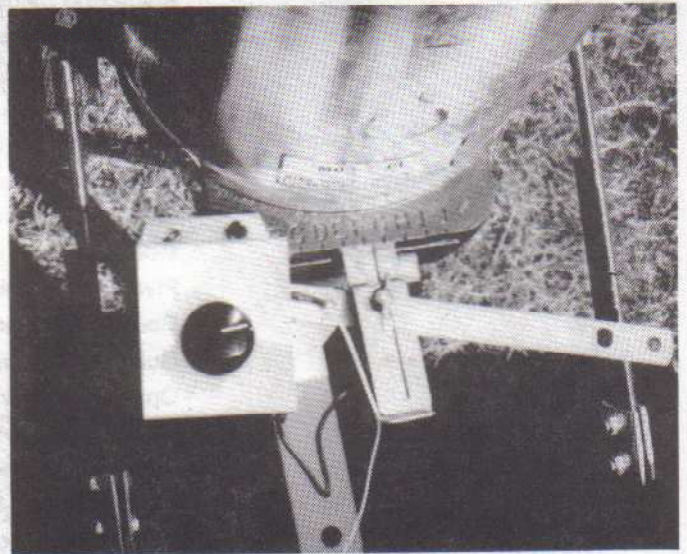


Photo 4

## INSTRUCTIONS FOR GT-77 BROADCASTER

### ASSEMBLY INSTRUCTIONS:

1. After removing broadcaster from the carton, place it upside-down on the hopper.
2. Rotate the handle (#792) around and remove the bolt and self-locking nut (#505). Run the bolt through the seed-gate linkage (#504), then through the handle, making sure that the thread-end is pointing up, towards you. Replace self-locking nut. Do not over tighten as it pivots at this point. See number 60 on drawing.
3. Remove the two 1/2" bolts in the bottom of the (#500) casting. Place the "L" Stand (#511) on the-casting (#500) with the flat iron with the three holes pointing away from the broadcaster. Now align the two 1/2" holes in the "L" Stand with the two 1/2" holes in the casting and place the two 1/2" bolts with lock washers into the bolt holes and tighten.

### MOUNTING INSTRUCTIONS:

1. Take the two brace rods (#512) and fasten them to a solid place on the tractor frame, photo number 1. If there are no solid points on your tractor, use the furnished "U"-bolts on the tractor axle housing and connect the brace rods to the ends of the "U"-bolts.
2. Bolt the remaining two brace rods to the topside of the ears on each side of the casting (#500), with the 5/16" bolts furnished. These brace rods must be mounted to the top side of the ears on the casting so they will not obstruct the spreading pattern. Set the broadcaster on the tractor drawbar and using the 1/2" bolt, washer and nut furnished, bolt them together. Using the brace rod clamps (#924) fasten the two brace rods on each side together loosely. Making sure the broadcaster is setting in a level position, or tilted slightly forward toward the tractor, tighten brace rod clamps securely. Also tighten the nut on the 1/2" bolt in the tractor drawbar.
3. Loosen the rheostat bracket (#820) and turn it to the outside of the broadcaster and retighten it. See photo number 2.

### WIRING INSTRUCTIONS:

1. Be safe! Disconnect the battery's ground wire (-) before attempting to wire the seeder.
2. Connect the short fused wire (20 amp) to the positive (+) terminal of the battery as shown in photo number 3.
3. Be sure to replace the safety cap over battery terminal, if one is furnished with tractor.
4. Reconnect the ground wire (-) to the tractor battery.
5. Make sure that the orange wire coming from the broadcaster's motor is connected to one of the terminals on the rheostat. It does not matter which rheostat terminal it is connected to.
6. Connect the forked end of the long wire to the remaining rheostat terminal, and then connect the female end to the long wire with "Quik"-Connector to the male end of the fused wire which is already connected to the positive (+) terminal of the battery.

7. Rotate the rheostat knob clockwise which should cause the motor to spin. If the motor does not spin, check to see that the fuse (20 amp) is not burned out. Also in a very few cases, the mounting brackets may not be sufficient ground for the motor. If that is the case, a separate ground (-) wire must then be run from the negative (-) or ground side of the battery to the broadcaster. For example, the rheostat bracket bolt would be a good place to attach a ground wire from the battery.

#### **INSTRUCTIONS FOR INSTALLING THE 517 OPTIONAL BLOCKING PLATE:**

1. Loosen the two cap screws (#516) holding the stainless steel pivot plate to the bottom of the casting (#500).
2. Remove pivot screw (#507) and bronze agitator bushing part (#503) both located inside the hopper. Slide the blocking plate (#517) under the agitator and over the four protruding screw bottoms. Make sure that the protrusion in the blocking plate lays down in the opening of the pivot plate and that the blocking plate is flat against pivot plate.
3. Make sure that the opposite end of the agitator is still hooked around the fan bushing. Then replace the pivot screw (#507) and the bronze agitator bushing (#503).

#### **TIPS FOR USING BROADCASTER:**

1. WATCH YOUR SPEED! Do Not Go Too Fast For Conditions.
2. As is common with all broadcasters, do not use on windy days, for herbicides may be blown onto undesirable areas, such as flowers.
3. When broadcasting, the tractor engine should be running at a higher R.P.M. to insure that the generator produces sufficient charge to run the electric motor of the broadcaster and the other electrical uses on the tractor.
4. The easy way to determine the ground speed of your tractor, is to set two stakes 88 ft. apart and then refer to the chart below for your ground speed:
  - 2 MPH the Tractor will travel 88 feet in 30 seconds.
  - 3 MPH the Tractor will travel 88 feet in 20 seconds.
  - 4 MPH the Tractor will travel 88 feet in 15 seconds.
  - 5 MPH the Tractor will travel 88 feet in 12 seconds.
  - 6 MPH the Tractor will travel 88 feet in 10 seconds.

We recommend a ground speed of 3 MPH for most applications.

5. After determining the gear and the throttle setting, mark the setting so the throttle can be returned to the proper location when broadcasting.
6. The Rheostat is equipped with an "OFF" position, to stop the motor. Therefore, no other switch is necessary, and should not be used. The Rheostat is used to control width of spread. When the pointer points to the "NUMBER ONE" position, the motor and the fan are running at full speed. The further the pointer is rotated to a higher number, the slower the fan rotates, and the narrower the width of the spread will be.

7. This broadcaster is equipped with a centering pivot plate, which can be moved to center the spread of the material. To change the location of the pivot plate, loosen two capscrews (#516) holding the pivot plate to the bottom of the casting base (#500) and rock the pivot plate to a higher or lower letter by grasping the seed gauge (#803S), as shown in Photo #4. The settings are marked from letters "A" thru "K" on the casting (#500), just above the seed gauge. These letters are the ones used in the charts on the following pages for proper location of centering the pivot plate for different materials listed. A good starting setting is between the letters "G" and "H" (In Photo #4, the gauge is shown between "F" and "G"). Normally, the slower the fan speed, the higher the letter position used to center the spread pattern. Never attempt to change the setting with the motor running. Be sure to retighten the two capscrews after adjusting.
8. Never run the motor so slowly it will stall, as this will damage the motor.
9. Set the opening control gauge at proper setting, using the charts on following pages. Be sure to tighten the wing-nut tightly.
10. To be extra safe and not broadcast large amounts, or when spreading herbicides, we recommend using the optional Blocking Plate (#517). This blocking plate will enable you to center the spread width to a narrower pattern. The blocking plate will also cut in half the amounts shown being spread in all charts.
11. For best results, when using material, such as fertilizer, that can pack in bottom of the hopper, we recommend filling the hopper at the place of use. Do not drive long distances after filling, before starting the broadcaster.
12. If you see your spread is heavy to one side or the other after you start to spread, do the following to center the pattern of spread: (You distinguish the difference between right and left by standing behind the tractor and broadcaster and facing the direction the tractor will travel.) When the pattern of spread is off-center and to your right, move the pivot plate to a lower letter; if your spread is off-center to your left, move the pivot plate to a higher letter. Do not move over one letter at a time or you may over-correct.

**TO REPLACE VIBRATOR BUSHING ON FAN (Part No. 503) OR NIPPLE (Part No. 508):**

1. From inside the hopper remove the round-head machine screw (#507) and bushing which hold the agitator to the pivot plate.
2. Remove the nipple (#508) from pivot plate hole.
3. Move agitator forward and at the same time, turn the fan so that the agitator can be removed from the bushing on top of the fan.
4. Remove the agitator from the opening.
5. Turn the fan around until the bushing and round-head machine screw can be removed through the opening in the pivot plate. CAUTION: this round-head machine screw is LEFT-HAND.
6. Remove the bushing from the fan by the following: This round-head machine screw is LEFT-HAND threaded, so to loosen you must turn it to the right.
7. Replace the old bushing (#503) with new one and tighten machine screw by turning to the left.

8. Install new nipple (#508) on the agitator. (A little moisture on the nipple where the agitator goes through, will ease the operation.)
9. Replace the bushing and the round-head machine screw that holds the agitator to the pivot plate.
10. Place the large flange of the nipple (#508) into the pivot plate hole to form a seal.

### **CLEANING AND STORAGE OF BROADCASTER:**

After removing the broadcaster from the tractor, turn the broadcaster upside-down on the hopper, so that all material is removed. Then wipe or brush out any remaining material. Wipe a fine film of oil on the working parts so they will operate freely in the future. Also, wipe oil on the underside of pivot plate and oil the pivot plate guides. The opening plate and guides are made of stainless steel and are rust-resistant. Do not wash the motor with water and if water comes in contact with the motor, set the broadcaster upright, so that the water will escape through the holes in the bottom of the motor. Then run the motor until it is dried out. The "Quik-Connect" battery lead may be left on the tractor battery for future use. Do not disconnect wire at the fuse.

### **TROUBLE SHOOTING:**

If the motor will not run, turn the rheostat to the "Off" position, and turn motor by hand to be sure that it turns freely. Check to see that the motor is grounded to the frame of the tractor either by the mounting brackets of the seeder or a separate ground wire. Then check the fuse (this is a 20-amp fuse), check the battery connections and the battery. Turn the rheostat to the "On" position and the motor should run if it is not damaged. For erratic spread of fertilizer or insecticides, check for lumps in the material.



# CHART FOR HERD BROADCASTER

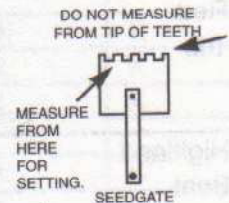
## GT-77

(Electric Motor Powered - Full Speed on 12 Volts)

Material	Spread Width	Amount Per Acre	Opening Width	Speed MPH	Time Required Per Acre
Clover, Alfalfa, and Sweet Clover	28'	10#	1/8"	4	4 Min. 25 Sec.
	28'	6.6#	1/8"	6	2 Min. 57 Sec.
	28'	5#	1/8"	8	2 Min. 13 Sec.
Kentucky Blue Grass	8'	23#	5/16"	4	15 Min. 28 Sec.
	8'	15½#	5/16"	6	10 Min. 19 Sec.
	8'	11½#	5/16"	8	7 Min. 44 Sec.
Rye Grass & Red Fescue	14'	22#	7/8"	4	8 Min. 50 Sec.
	14'	14¾#	7/8"	6	5 Min. 54 Sec.
	14'	11#	7/8"	8	4 Min. 25 Sec.
Red Top	10'	17#	1/4"	4	12 Min. 23 Sec.
	10'	11#	1/4"	6	8 Min. 15 Sec.
	10'	8½#	1/4"	8	6 Min. 11 Sec.
Highland Bent	10'	18½#	3/8"	4	12 Min. 23 Sec.
	10'	12#	3/8"	6	8 Min. 15 Sec.
	10'	9.2#	3/8"	8	6 Min. 11 Sec.
Fertilizer	24'	62#	5/8"	4	5 Min. 9 Sec.
	24'	41#	5/8"	6	3 Min. 26 Sec.
	24'	31#	5/8"	8	2 Min. 35 Sec.
Nitrogen (Pelleted 45% Urea)	18'	82#	5/8"	4	6 Min. 53 Sec.
	18'	55#	5/8"	6	4 Min. 35 Sec.
	18'	41#	5/8"	8	3 Min. 26 Sec.

### CHART FOR BROADCASTING SEEDS - MODEL GT-77 FIGURED AT 4 M.P.H.

SEED OR MATERIAL	SIZE OPENING	AMOUNT PER ACRE	WIDTH
Ammonium Nitrate .....	3/8"	80 LBS.	24 FT.
Australian Pea .....	3/8"	60 LBS.	34 FT.
* Bahia Grass .....	3/16"	19 LBS.	18 FT.
Brome Grass.....	1/2"	11½ LBS.	14 FT.
Flax and Millet.....	1/4"	8½ LBS.	30 FT.
Ladino Clover.....	1/32"	1 LB.	28 FT.
Lespedeza .....	3/16"	6 LBS.	28 FT.
Oats .....	1"	64 LBS.	26 FT.
Orchard Grass .....	3/8"	9 LBS.	18 FT.
Rye.....	1/2"	42 LBS.	32 FT.
Sweet Sudan Grass.....	1/2"	20 LBS.	28 FT.
Timothy .....	3/16"	6 LBS.	26 FT.
Turnip Seed .....	1/4"	10 LBS.	36 FT.
Vetch.....	3/8"	40 LBS.	36 FT.
Wheat.....	1/2"	45 LBS.	32 FT.



**\*CAUTION:** WHEN SPREADING BAHIA GRASS, TEETH MUST BE REMOVED FROM SEED GATE FOR EVEN FEEDING. FOR EVERY 1/16" INCREASE IN OPENING, THE AMOUNT GOING THROUGH OPENING WILL INCREASE APPROXIMATELY 100% OVER LAST SETTING.

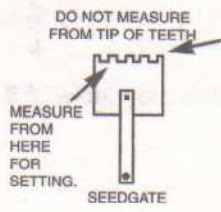
**NOTICE:** WIDTH OF SPREAD VARIES ACCORDING TO QUALITY AND WEIGHT OF SEED OR MATERIAL, FAN SPEED AND WIND CONDITIONS. AFTER MAKING ONE RUN THROUGH FIELD, CHECK SPREAD, AND ALSO, CHECK BATTERY CONNECTIONS.

# SEED CHART

	1.	2.	3.	4.	5.	
MATERIAL	RECOMMENDED AMOUNT TO BE SPREAD AT ONE TIME	M.P.H. TRACTOR SPEED	TWICE OVER RECOMMENDED OPENING SETTING	AMOUNT	ONCE OVER RECOMMENDED OPENING SETTING AMOUNT	
Good Lawn Seed Mixture: 51% Blue Grass, 35% Creeping Fescue, 10% Chewing Fescue, 4% Inert Matter	10 lbs. per 5,000 sq. ft.	2	1/2"	1/2 lb. per 500 sq. ft. each pass	7/8"	1 lb. per 500 sq. ft.
		3	11/16"		1-1/16"	
		4	7/8"		1-1/4"	
Quick Cover Lawn Mixture. 72% Rye Grass, 11% Blue Grass, 11% Creeping Fescue, 6% Inert Matter	Ditto	2	3/4"	Ditto	1-1/2"	Ditto
		3	1-1/8"			
		4	1-1/2"			
Rye Grass	Ditto	2	3/4"	Ditto	1-1/2"	Ditto
		3	1-1/8"			
		4	1-1/2"			
Kentucky Blue Grass	Ditto	2	5/16"	Ditto	1/2"	Ditto
		3	13/32"		11/16"	
		4	1/2"		7/8"	
Red Fescue	Ditto	2	7/8"	Ditto	1-5/8"	Ditto
		3	1-1/4"			
		4	1-5/8"			
Red Top	Ditto	2	1/4"	Ditto	15/32"	Ditto
		3	3/8"		11/16"	
		4	15/32"		7/8"	
Highland Bent	Ditto	2	3/8"	Ditto	5/8"	Ditto
		3	1/2"		15/16"	
		4	5/8"		1-1/2"	
Clover (White Dutch)	Ditto	2	1/8"	Ditto	1/4"	Ditto
		3	3/16"		3/8"	
		4	1/4"		1/2"	

NOTICE: If Blocking Plate 517 is used, amounts shown in Chart above will be reduced one-half.

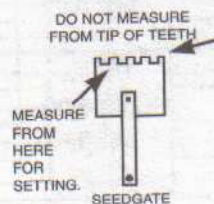
6.	7.	8.	9.	10.	11.			
WIDTH SPREAD W/FULL FAN SPEED	POSITION USED TO CENTER SPREAD W/FULL FAN SPEED	AMOUNT OF MATERIAL FLOWING THRU OPENING IN 1 MINUTE	TWICE-OVER WIDTH SPREAD CONTROLLED BY RHEOSTAT (SEE COLUMN 4)	ONCE-OVER WIDTH SPREAD CONTROLLED BY RHEOSTAT (SEE COLUMN 5)	WIDTH SPREAD WHEN CONTROLLED BY RHEOSTAT	POSITION USED TO CENTER SPREAD WHEN USING RHEOSTAT		
10 ft.	I - J	1/2"	Not Recommended	Not Recommended				
10 ft.	I - J	Opening:						
10 ft.	I - J	1-3/4 lbs. per min.						
14 ft.	I - J	3/4"	13/32"	1/2 lb. per 500 sq. ft.	3/4"	1 lb. per 500 sq. ft.	7 ft.	K
14 ft.	I - J	Opening:	9/16"		1-1/8"		7 ft.	K
14 ft.	I - J	2-1/2 lbs. per min.	3/4"		1-1/2"		7 ft.	K
14 ft.	H	7/8"	3/8"	1/2 lb. per 500 sq. ft.	3/4"	1 lb. per 500 sq. ft.	7 ft.	K
14 ft.	H	Opening:	9/16"		1-1/8"		7 ft.	K
14 ft.	H	2-1/2 lbs. per min.	3/4"		1-1/2"		7 ft.	K
8 ft.	I - J	5/16"	Not Recommended	Not Recommended				
8 ft.	I - J	Opening:						
8 ft.	I - J	1-1/2 lbs. per min.						
14 ft.	G - H	7/8"	7/16"	1/2 lb. per 500 sq. ft.	7/8"	1 lb. per 500 sq. ft.	7 ft.	K
14 ft.	G - H	Opening:	5/8"		1-1/4"		7 ft.	K
14 ft.	G - H	2-1/2 lbs. per min.	7/8"		1-5/8"		7 ft.	K
10 ft.	I - J	1/4"	1/8"	1/2 lb. per 500 sq. ft.	1/4"	1 lb. per 500 sq. ft.	5 ft.	K
10 ft.	I - J	Opening:	3/16"		3/8"		5 ft.	K
10 ft.	I - J	1 lb. 6 oz. per min.	1/4"		15/32"		5 ft.	K
10 ft.	I - J	3/8"	3/16"	1/2 lb. per 500 sq. ft.	3/8"	1 lb. per 500 sq. ft.	5 ft.	K
10 ft.	I - J	Opening:	1/4"		1/2"		5 ft.	K
10 ft.	I - J	1-1/2 lbs. per min.	3/8"		5/8"		5 ft.	K
28 ft.	B-C	1/8"		1/2 lb. per 500 sq. ft.	1/8"	1 lb. per 500 sq. ft.	14 ft.	J
28 ft.	B-C	Opening:	3/8"		3/16"		14 ft.	J
28 ft.	B-C	2-1/4 lbs. per min.	1/8"		1/4"		14 ft.	J



# FERTILIZER CHART

1.	2.	3.	4.	5.		
MATERIAL TO BE SPREAD	AVERAGE RECOMMENDED USAGE AT ONE TIME	TRACTOR SPEED M.P.H.	TWICE OVER OPENING SETTING	AMOUNT	ONCE OVER OPENING SETTING	AMOUNT
Fertilizer (Commercial, Pelleted or Good Grade of Granular)	4-10 lbs. per 1,000 sq. ft.	2	5/8"	4 lb. per 1,000 sq. ft. ea. pass	1-1/8"	8 lbs. per 1,000 sq. ft.
		3	7/8"		1-5/8"	
		4	1-1/8"			
Nitrogen (Pelleted 45% Urea)	4-8 lbs. per 1,000 sq. ft.	2	5/8"	4 lbs. per 1,000 sq. ft. ea. pass	1-1/8"	8 lbs. per 1,000 sq. ft.
		3	7/8"		1-5/8"	
		4	1-1/8"			
Greenfield Lawnfood (Granular)	4-1/2 lbs. per 1,000 sq. ft.	2	3/4"	2-1/4 lbs. per 1,000 sq. ft. ea. pass	1-1/4"	4-1/2 lbs. per 1,000 sq. ft.
		3	1"		1-5/8"	
		4	1-1/4"			
Scott Turf Builder (Granular)	4 lbs. per 1,000 sq. ft.	2	5/8"	2 lbs. per 1,000 sq. ft. ea. pass	1-1/8"	4 lbs. per 1,000 sq. ft.
		3	7/8"		1-1/2"	
		4	1-1/8"			

NOTICE: If Blocking Plate 517 is used, amounts shown in Chart above will be reduced one-half.



6.	7.	8.	9.	10.	11.
WIDTH SPREAD W/FULL FAN SPEED	POSITION USED TO CENTER SPREAD W/FULL FAN SPEED	AMOUNT OF MATERIAL FLOWING THRU OPENING IN 1 MINUTE	TWICE-OVER WIDTH SPREAD CONTROLLED BY RHEOSTAT (SEE COL. 4)	ONCE-OVER WIDTH SPREAD CONTROLLED BY RHEOSTAT (SEE COL. 5)	WIDTH SPREAD WHEN CONTROLLED BY RHEOSTAT
25 ft.	C	5/8" Opening: 12 lbs. per min.	Not Recommended	Not Recommended	
25 ft.	C				
25 ft.	C				
18 ft.	C	5/8" Opening: 12 lbs. per min.	Not Recommended	Not Recommended	
18 ft.	C				
18 ft.	C				
14 ft.	Between G & H	3/4" Opening: 5-1/2 lbs. per min.		3/4"	7 ft.
14 ft.			1/2"	1"	7 ft.
			3/4"	1-1/4"	7 ft.
12 ft.	Between G & H	5/8" Opening: 4-1/2 lbs per min.		5/8"	6 ft.
12 ft.			3/8"	7/8"	6 ft.
			5/8"	1-1/8"	6 ft.

**CHART for Spreading Granular Chemicals of 20/40 Granules and Smaller**

(Amounts per Acre, or 43,560 sq. ft.)

1. Do not spread chemicals on windy days.
2. Using the 517 Blocking Plate, a 1/4" opening will allow 4 lbs. 6 oz. granular chemical to run through opening every 6 minutes, or 11.7 oz. every minute.
3. Follow directions on sack for recommended application amounts.
4. Be safe. Do not take chances. Chemicals are toxic.

Size Opening	M.P.H.	Width of Spread	Normal Opening	Using GT-517 Blkg. Plate
1/4"	2	7 ft.	108 lbs.	54 lbs.
1/4"	3	7 ft.	78 lbs.	39 lbs.
1/4"	4	7 ft.	54 lbs.	27 lbs.
1/4"	2	10 ft.	72 lbs.	36 lbs.
1/4"	3	10 ft.	54 lbs.	27 lbs.
1/4"	4	10 ft.	36 lbs.	18 lbs.
1/4"	2	12 ft.	60 lbs.	30 lbs.
1/4"	3	12 ft.	45 lbs.	22 lbs.
1/4"	4	12 ft.	30 lbs.	15 lbs.

If you are spreading only 5 ft. wide, your amount spread will be twice as much as shown in the 10 ft. wide spread width.

	1	2	3	4	5	6	7
1000							
900							
800							
700							
600							
500							
400							
300							
200							
100							

**LIMITED WARRANTY**

This Herd Broadcaster was thoroughly tested before it left the factory. We warrant each Broadcaster sold by us to be free from defects in material and workmanship when used according to our directions. Our obligation under this warranty is limited to making good at the factory any defective part or parts thereof which shall, within three months after delivery of such Herd Broadcaster to the original purchaser, to be returned to us. No person or company is authorized to make further warranty.

This warranty shall not apply to any Herd Broadcaster which shall have been repaired or altered outside of our factory in any way so as to affect its stability or reliability, nor which has been subject to misuse, negligence or accidents, or was caused by damage while in possession of the consumer or resulted from failure to the consumer to provide reasonable and necessary maintenance.

**DAVID E. HERD, President**  
**HERD SEEDER CO., INC. - P.O. Box 448 - Logansport, IN 46947**

\*Excluding Motor - Motor warranty 30 days from date of purchase.

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**Phone: 574-753-6311**  
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