



# Assembly & Operation Instructions

## 65 Series Gandy Drop Spreader

The Gandy 6500 Series spreaders and seeders in four, five and six-foot widths are shipped in three bundles:

1) Wheels Package; 2) Hopper Package Assembled; 3) Handle or Hitch package.

### **Assembling with Tractor Hitch:**

1. Remove all packing materials.
2. Slide wheels on rotor bar ends, and secure to rotor bars with clevis pins provided.
3. Attach tractor hitch pole to hopper by removing pin in place on hopper bottom. Insert bushing end of tractor pole and reinstall pin. Secure with cotter pin.
4. Attach end of connector link to side on hopper bottom using pin and cotter pin in place.
5. Attach knee lever (069242-4) to pivot housing near hopper end of pole with 1/4 x 4" hex bolt and lock nut. Attach post of connector link into hole in knee lever and secure with cotter pin.
6. Assemble shut-off lever mechanism by attaching pivot bracket to forward end of hitch pole using 1/2 x 3-1/4" hex bolt and one wrought washer on each side of bracket. Secure with lock nut. Attach shut-off lever to pivot bracket (069242-3) using 3/8 x 1" hex bolt, wrought washer, lock washer and nut in middle hole. Using choice of upper hole for preferred angle of lever, secure in place with 3/8 x 1" hex bolt, lock washer and nut.
7. Attach connector rod to pivot bracket on hitch end with 3/8 x 3/4" hex bolt and lock nut. Attach other end to knee lever using 3/8 x 3/4" hex bolt and lock nut. Operate bottom and slide to ensure linkage provides easy opening and closing action.
8. Install braces from corner of hopper to brace bracket on pole with 3/8 x 1" hex bolt, lock washer and nut. Use 3/8 x 1" hex bolt, lock washer and nut in place on hopper end frame to secure brace to other end.
9. Attach spread late by inserting spread plate hooks through the two loops provided on front strap of rate control slide. Adjust spread plate by placing chain in curved slot of tension "T".
10. If cover is not in desired relationship for filling, remove and re-assemble from opposite side, switching snap latches in the process.

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### **Assembling with Handle Attachment: (4-Ft Model Only)**

1. Remove pin from center of hopper bottom and insert end of handle. Reinstall pin and secure with cotter pin.
2. Attach side braces in holes on upper part of hopper ends with hardware in place and to anchor brace on handle using 3/8 x 1" hex bolts, lock washers, and nuts.
3. Attach control lever to connector link on the slide control with 5/16 x 4" pin.
4. Attach 2-inch stand by removing one pipe cap and slipping into position on the middle of handle; adjust to desired position.

# Operation Instructions

## 1. Determine Rate, Speed of Application

Refer to the label or recommendation on the material you wish to apply and determine your rate of application. Determine the speed at which you want to apply material. The speed at which you apply has direct effect on the rate. With the same gauge setting, the rate of application at one mile per hour is twice that at two miles per hour. To determine your speed, use these distances traveled in one minute:

1 mph	2 mph	3 mph	4 mph	5 mph
88 ft.	176 ft.	264 ft.	352 ft.	440 ft.

1 km/h	2 km/h	3 km/h	4 km/h	5 km/h
16.67 m	33.34 m	50 m	66.68 m	83.35 m

## 2. Set Gauge

Refer to the factory-calibrated Gandy rate charts included with your spreader for a suggested gauge setting. Move gauge away from the stop before attempting adjustment. Turn gauge to desired number, using the top surface of the stop as the setting indicator. For example, if the machine is to be used with ports completely open, the cam gauge would be turned until the graduating mark directly opposite the figure 80 is in line with the top edge of the stop. Likewise, if the ports were to be half open, the graduation mark opposite the figure 40 would be in line with the top edge of the stop. You can “fine tune” the gauge with precision. The gauge is marked in increments of one. If you adjust one tenth of the gauge stop, from 27.7 to 28.8, for example the slide will open approximately one thousand of an inch more. The fine adjustments are possible because the gauge is attached directly to the slide—there is no error through linkage slack. Remember the settings in the chart are only guides for beginning calibration.

Check your results as outlined in Step 3 and make adjustments as necessary.

**Note:** Always move the gauge away from the stop before attempting to set the gauge.

## 3. Check Rate

Making a precision application is now simply a matter of filling up the hopper, moving the lever so the gauge is against the stop, walking or driving at your selected speed, and checking your rate. Most rates are expressed in terms of pounds applied per thousand square feet. Check your rates as follows:

### With a Calibration Pan:

Fill the hopper with material. Install calibration pan in place. Pull or push your spreader a given number of feet. Example: A 5-foot spreader pulled or pushed 100 lineal feet will give you 500 square feet of coverage. Remove the contents from the calibration pan and weigh. This will give you ½ the rate expressed in pounds per square feet. It is important that a constant speed is maintained for accurate application. If necessary, adjust gauge up or down and check again.

### Without Calibration Pan:

Fill the hopper level full. Treat a known area, such as 1,000 square feet. Take enough material to more than fill the hopper full again and weigh it. Re-fill the hopper level full and weigh the material left over to see how much was applied on the 1,000 sq. feet.

**Caution:** When applying high potency fertilizers that will burn, be sure to be moving when beginning application

If necessary, adjust gauge up or down and check again. You can check on small areas, such as 500 sq. ft. or 250 sq. ft., using 1/2 or 1/4 of the rate per 1,000.

It is important that you check your rate to see that the setting you have chosen from the chart is giving you the results you want. Atmospheric conditions alone can affect the flow of materials.

# Maintenance

1. **Check all bolts for tightness after first two hours of use; check periodically thereafter.**
2. Never leave fertilizer or chemical in the hopper. These materials will corrode and rust exposed surfaces.
3. Clean machine after every use by emptying hopper and unhooking tension "Ts" to release slide control.
4. To remove caked material from inside hopper bottom, remove the rotor bars by first removing the grease tube on the end bearings and then slide out end bearings and rotor bars along with the wheel.
5. After all surfaces exposed to fertilizer or chemicals are clean, lightly coat them with oil for storing.
6. Let slide control hang down when machine is not used to prevent "freezing" of slide control.
7. Grease bearings lightly during operation to prevent dust particles from working into them.  
Do not over grease as overflow may get into the material in the spreader. On some materials that have fines or powered material in the mixture, it may be necessary to grease the bearing often to prevent the fines from working into the bearings, making the machine hard to push or tow.  
Frequent "shots" of grease will keep this material from working into the bearings.

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## **Optional Spreader Accessories:** (Ordered Separately, Not Part of Drop Spreader)

For a complete distributor & dealer list go to [www.gandy.net](http://www.gandy.net)

**Hole Closures (Part Number 0107813)** quickly bolt onto the "pencil rods" on underside of rate control slide. Closing of every other opening cuts rate of application in half when extremely low rate of application is desired, especially useful for granular chemical application. In case of narrow rows, the openings directly over the row can be closed off.

**Deflectors (Part Number 0107890)** are ideal for side dressing or banding. With shields attached for side dressing, the row passes underneath the inverted "V" shields to protect the whorls of leaves from direct drop of fertilizer. Deflectors can be attached in the opposite position so the fertilizer can be banded in a row in advanced of planting. Hole closures can be used to close off the hopper bottom openings where new fertilizer is wanted.

**Jigglers** fit inside the hopper and secure to hopper frame. As the rotor turns, these jigglers bounce up and down from the action of the rotor bar, providing agitation for materials that tend to bridge.

Jiggler package for 4-ft hopper; part #657

Jiggler Package for 5-ft hopper; part #658

Jiggler package for 6-ft hopper; part #659

**Calibration pan;** for catching material for calibrating spreader.

For 4-ft hopper: part #0185214

For 5-ft hopper; part #01105214

For 6-ft hopper; part #01125215

**Electric Shutoff;** package #6521

**Hydraulic Shut-off;** package #659711

### **Optional Wheel Cartons.**

16" Wheel Set Part #65A16

18" Wheel Set Part #65A18

20" Wheel Set Part #65A20

26" Wheel Set Part #65A26



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