



# Get the most from your precision Gandy Applicator Poly Cam Gauge Applicator

## Read your owner's instructions -

This manual is a guide in assembly, care and use of your Gandy applicator. A parts list is also provided so you can order replacement parts from your dealer when needed. Be sure to specify the model and serial number. Record them below for your reference.

**Applicator Model No.** \_\_\_\_\_

**Hopper Serial No.** \_\_\_\_\_

## Install Correctly

Install carefully according to directions to assure proper operation. Check regularly for loose bolts, pins, delivery tubes and chain alignment. Check gauge setting and wing nut on lock strip. Accurate results require a quality applicator and a careful operator.

## Understand application variables

### Precise application of granules depends on four factors:

#### 1. Product Characteristics:

The Gandy rate chart is based on samples of granular chemicals. Since many variables such as age of chemical, variations in chemical formulation, humidity and temperature affect flow characteristics, we recommend checking your results as outlined in the Gandy rate charts. Other rate charts may be provided by manufacturers of the product being metered.

#### 2. Gauge Setting:

Gandy applicators depend upon gravity flow of particles through carefully adjusted openings. Within limits, rotor speed does not affect application rates. Rotor speeds between 10 and 20 rpm are usually acceptable. The sprocket ratio provided achieves this.

#### 3. Ground Speed When Mounted on Planter:

Think of your Gandy applicator as the top half of an hourglass or egg-timer, and you will visualize how a change in speed, without changing opening size, can change application rate. For example, if you set your gauge for 6 mph but drive at 3 mph, you are applying twice the desired rate. Check your application results to ensure that wheel slippage or engine pull down is not changing your application rate.

#### 4. Band Width:

A change in band width changes application rate. If, for example, you set the gauge for a 14-inch band, but applied in a 10-inch band, you would be applying a heavier rate on the area treated. Likewise an applicator dispensing material from two openings set for one-opening will give you a heavier rate over the area treated.

## Determine proper gauge setting

1. Check the ground speed if planter mounted. Use this chart comparing mph to feet traveled in one minute:

1 mph	2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph
88	176	264	352	440	528	616	704	792	880

#### 2. Determine rate from product label.

3. Look up gauge setting in Gandy rate chart book or chart provided by product manufacturer for Gandy cam gauge applicator.

#### 4. Set Gauge:

Move the slide away from stop. Turn cam to proper setting using the top of the stop as the gauge point. Secure. Slide bottom and cam against top. Secure.

#### 5a. Check Results:

Treat known area or amount, refill hoppers level full, weigh material left, subtract weights for amount used, divide by area or quantity treated. Adjust gauge if needed and recheck.

#### 5b. If using for forage preservative application:

Set gauge [15 is frequent starting point], then catch and weigh per minute output of all outlets to coordinate with per minute flow of forage through cutter or baler. Adjust cam gauge to larger or smaller opening and repeat. Note: 80 is the maximum setting.

If electric motor driven, time the applicator at 1 minute or multiples thereof to weigh the output and determine output per minute. Increase or decrease the gauge setting to adjust flow to match flow of hay or silage processed per minute.

## Proper Storage:

Empty the hoppers before letting them stand idle for any length of time. Following safety precautions listed on the product container, remove and safely store all material. Wipe the applicators clean and properly dispose of cloths and tools used in cleaning. Material left in the hopper may pick up moisture and plug or corrode the applicator.

## To Remove and Empty Hopper:

1. Remove any sprocket from rotor bar.
2. Hold the chain tightener sprocket if any on the planter installations and remove the large sprocket (s).
3. Remove wire clips and disconnect plastic tubes.
4. Remove bolts from u-frame frame.
5. Lift hopper and pour the remaining contents out.

## Electric Motor Drive Package: (09099928)

### 1. Power Requirement:

Under normal load with a maximum of two hoppers, motor will draw between 2 and 3 amps. Under adverse conditions the load will increase up to 5 amps indicating that the rotor is not turning freely and the bearings may need to be cleaned. Changing from a steel rotor to a neoprene rotor may also be necessary. Road travel with hoppers filled can cause compaction of some materials, making it difficult for the motor to start; therefore, fill hoppers just before use in the field.

NOTE: Under normal load the motor will run hot.

### 2. Rotor Speed:

Properly installed, the motor turns the rotor within the recommended 10-20 rpm. If you are applying a very high rate of material requiring a gauge setting of 60 to 80, some minor pulsations in the flow of granules may be apparent indicating the rotor is not turning fast enough. If the rotors turn easily and you are driving only 1 to 2 hoppers per motor, you can replace the standard 32T driven sprocket with a 24T sprocket, and thus increase the rotor speed.

## 3. Operating Instructions:

- a. Set the rate gauge and open the slide on the hopper bottom according to the instructions in the rate charts.
- b. Pull the switch mounted by the operator's seat at the beginning of each row to start the electric motor and rotors turning. At the end of each row, push the switch to stop the motor and rotor. The exclusively designed 5-blade rotor acts as a rotary valve to stop the flow of granules.
- c. Remove material at the end of each day so that you start with fresh product.
- d. If material has been left in hopper overnight, disconnect the drive by pulling the hair pin cotters and turn each rotor by hand a revolution or so. Using only a hairpin cotter as a lever, you should have to exert only moderate to light effort to turn the rotor. If much force is required to turn the rotor, either the material has gotten wet, the bearings are gummed up, or both. Clean the hopper or free the bearings before starting to plant. NOTE: When reassembling the hoppers, use only your fingers to tighten the wing nuts that hold the bearing retainers in place.

## 4. Safety Recommendations:

It is Gandy Company's sincere desire to manufacture safe products based upon the highest standards available for use by our customers. In the interest of our customers, we urge here and via safety decals on Gandy equipment that caution be exercised when operating any applicator. Please keep all shields and guards in place. Carefully read and adhere to the instructions.

## Limited Warranty

The Gandy Company warrants all material and workmanship on Gandy® equipment delivered to be free of defects for a period of 12 months from date of original purchase. Products used on a commercial, rental or leased basis are warranted for 90 days. Any part or parts thought to be defective within these warranty periods are to be returned through your servicing dealer or distributor to the Gandy Company's plant. Distributor or dealer must receive authorization from Gandy Company to return items under warranty. An authorization number will be issued and must be clearly visible on all packages returned to the factory. If found defective by Gandy Company, replacement parts will be forwarded free of charge, prepaid. No service, labor charge or expense on the equipment will be allowed unless such expense has been previously authorized in writing by the Gandy Company. Serial number and model of the unit involved is required by the Gandy Company on all warranty claims. Gandy Company policy is to improve products whenever it is practical to do so. It reserves the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously. This warranty does not apply to products altered or misused by users after the point of manufacture.

This warranty against defects in material and workmanship is in lieu of all other warranties, expressed or implied, and there are no other warranties of any kind whatsoever including, but not limited to, any implied warranty of merchantability or fitness for any particular purpose. In no event shall the company be liable for any incidental or consequential damages whether for breach of warranty, for breach or repudiation of any other term or condition hereof, or for negligence, on the basis of strict liability, or for any other reason.

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