



Notes on Mounting & Calibrating For Gandy Applicators on Cutters & Round or Rectangular Bales

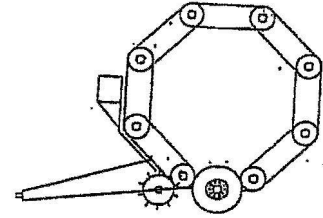
- * Always mount applicator so gravity assists product flow.
- * Most feed additive manufacturers recommend that Gandy applicators should be mounted on balers so that the dry, granular inoculant is directed in front of the plunger on small, rectangular balers and on the back of the pickup on large, round balers. (However, always be sure to check the manufacturer's instructions for proper placement.) You can use wire or metal support to help position hoses, but be sure not to "crimp" the hoses which would interfere with product flow. Note the various schematics which follow for possible mounting locations.
- * It would be best to empty the applicator and store the product in an air-tight container if material is not going to be dispensed immediately. Various materials can be hygroscopic and absorb moisture which can make the material bridge and not flow if left open in the applicator hopper.
- * Calibrations of the flow rate are essential at start up. Variations in flow rate can occur over time due to wear, humidity, or material change. Therefore, it is best to calibrate the applicator each season before starting.
- * Calibrate the Gandy applicator to administer the recommended amount of inoculant per ton of baled hay. If unit has an electric motor drive, the easiest method to calibrate is to catch the material from the spouts for the length of time it normally takes to bale a ton of hay, i.e. 2 min, 5 min, etc.
- * Most balers will bale somewhere between 5 and 30 tons of hay per hour. It is difficult to predict exact values because of variables such as ground speed and windrow density. Under average conditions, it will require about 5-8 minutes to bale a ton of small, rectangular bales and 2-4 minutes to bale a ton of large, round bales.
- * Each hay producer must approximate how long it will take to bale a ton of hay or chop forage. Turn on the Gandy applicator and adjust the settings to meter out the recommended rate of inoculant in that period of time. Example for rate of 2 lb. /ton:
 - If it requires 6 minutes to bale a ton of hay, the Gandy applicator needs to meter out 1 lb. of inoculant every 3 minutes. A recommended starting point for calibrating a 2-hole Gandy cam gauge applicator is dial setting 10 for small, rectangular balers and dial setting 15 for large, round balers. A lower setting may be your starting point if you have a 3 or 4-outlet applicator or if your choice of forage additive is a higher concentration.
- * For best results, remember to:
 - 1) Know the moisture of the hay and do not exceed 25% moisture for small, rectangular bales and 20% moisture for large, round bales.
 - 2) Apply recommended rate of the dry granular inoculant per ton of hay (as baled moisture).
 - 3) Store "tough" hay properly to permit escape of "extra" moisture contained in the bales.
- * A removable "suspender" above the rubber rotor bar is standard equipment to reduce product weight on the rotor and thus reduce torque on the motor. It has aided flow ability of many products. However, the suspender may be removed if necessary for some products.

Gandy Forage Preservative Applicator Installation Suggestions

Always orient so gravity assists product flow.

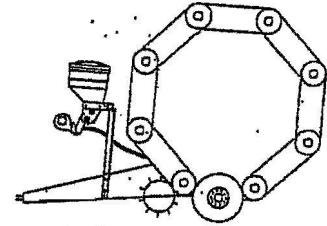
1. Round baler type

a. Large round balers usually require 3 or 4-outlet applicators to provide wider spread of product in takeup chamber.



Front Center

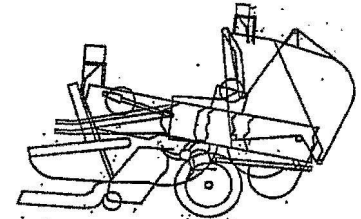
b. Although the hopper is standard with a "U" frame with bolt holes/slots provided, user will have to create mounting bracket(s) on the front center area of the baler.



Hitch mounting

2. Round chain type

a. Mounting brackets must fit in chain takeup space and be forward to miss moving chain in both bale and eject position.

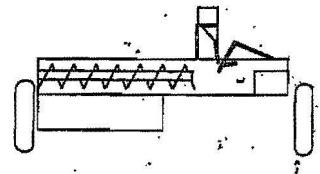


3. Square center line balers

a. Hoses are generally located above pickup toward center of chamber.

4. Small square balers

Applicator needs to be oriented so hoses place material in the plunger area without giving interference.



5. Cutters/choppers

a. Frequently mounted to the right side of the unit so hoses can place material into the fan area for best distribution.

