

E-Z Glo™ Feed Mill Products



DIRECTIONS FOR USE

To insure that you receive the benefits of improved appearance, moistness, mold inhibition and reduced caking, follow these directions for use for all E-Z Glo products.

APPLICATION

Rate of Application

Apply a minimum of 10% E-Z Glo (all formulas) to textured feeds that contain no meal ingredients or fines. Apply an additional 1% E-Z Glo for every 3% fines or meal ingredients. Apply additional E-Z Glo if ingredients have been in storage for more than six months. Textured feeds containing a high percentage of pellets may also require additional E-Z Glo.

Failure to apply sufficient levels of E-Z Glo will result in feed prematurely drying out. It will also reduce the mold inhibition effectiveness of E-Z Glo.

Method of Application

DO NOT attempt to use visual standards to determine the application rate of E-Z Glo.

The improved dispersion and coating characteristics of E-Z Glo compared to cane molasses may cause the feed to appear moist before the recommended levels have been applied.

Calibration of Meters

Accurate measurement of E-Z Glo is essential. Calibrate all meters to adjust for the difference in product densities between whatever product you may have been using and E-Z Glo. Temperature fluctuations will also influence calibrations and should be taken into consideration. Check with your shipping terminal or sales person to determine the density of specific E-Z Glo products.

Because all E-Z Glo products have product densities lower than cane molasses, failure to recalibrate the meters will cause insufficient levels of E-Z Glo to be applied.

Typical Product Densities

Product	lbs./gal.
79.5 Brix Cane Molasses	11.70
E-Z Glo 68	10.80
E-Z Glo 73	11.10

E-Z Glo Feed Mill Products - Directions for Use

Use the following procedure to determine the calibration of your meter in order to accurately apply E-Z Glo.

1. Weigh a bucket which can hold approximately 5 gallons.
2. Using your standard meter, pump 4 gallons of E-Z Glo into the previously weighed bucket.
3. Weigh the material in the bucket and determine the weight your meter is calibrated to per gallon.

$$\frac{\text{Material in bucket} - \text{weight of bucket}}{4 \text{ gallons}} = \text{Adjusted lbs/gallon rate}$$

4. Determine the number of gallons of E-Z Glo you should use:

Based on your formula:

$$\frac{\text{Total pounds of E-Z Glo/ton}}{\text{Adjusted lbs/gal. rate}} = \text{Total Gallons of E-Z Glo to add per your meter}$$

HANDLING CHARACTERISTICS

E-Z Glo 73 has a viscosity very similar to cane molasses. Equipment that handles 79.5 brix molasses will also handle E-Z Glo 73 products. E-Z Glo 68 products have better handling characteristics than cane molasses at lower temperatures, but still have relatively high viscosity values.

To insure good handling and uniform dispersion on feed, follow these directions.

1. **E-Z Glo 73 Products**
While recirculating, heat product during cold weather to maintain temperature between 50° F and 90° F. The temperature of the product MUST NOT exceed 100° F.
2. **E-Z Glo 68 Products**
If product temperatures can be expected to drop below 40° F, heat trace suction line (min. 3" line). If product temperature is expected to drop to 0° F, heat trace suction and discharge lines (3" and 2" lines, respectively). The temperature of the product MUST NOT exceed 100° F. Do not heat E-Z Glo 68. Disengage any heating mechanisms. Heating E-Z Glo 68 will result in handling difficulties and invalidate any expressed or implied warranties.

STORAGE RECOMMENDATIONS

Tank Cleaning

Clean the storage tank prior to receipt of the first load of E-Z Glo. Failure to clean the storage tank of previous product held will cause handling difficulties, shortened shelf life and reduced effectiveness of the mold inhibition package.

If you use a day tank or pre-heating tank, this tank must also be cleaned. These smaller tanks are often found to be the source of initial mold contamination.

- NOTE:**
1. DO NOT mix E-Z Glo with other products.
 2. Storage of E-Z Glo in underground pits is not recommended.

E-Z Glo Feed Mill Products - Directions for Use

Storage Quantities

DO NOT store more than 1 times the shipment quantity.

Storing excess quantities of E-Z Glo can cause portions of the stored product to exceed the recommended shelf life and handling difficulties may result.

Storage Conditions

The storage tank should be equipped to recirculate or mix the product to insure E-Z Glo stocks are rotated.

Failure to recirculate or mix will result in a portion of the E-Z Glo exceeding the shelf life and handling difficulties will result.

TYPICAL VISCOSITY VALUES*

Product	100° F	400° F	700° F	1000° F
79.5 Brix Cane Molasses	110-120,000	25-30,000	1,700-3,500	1,000-2,000
E-Z Glo 68	40-70,000	7-19,000	2,000-3,000	500-1,500
E-Z Glo 73	90-150,000	20-35,000	2,000-10,000	1,500-2,500

* Measured in Centipoise (cps)

Viscosities were determined with the Brookfield Syncro-Lectric Viscometer, Model RVF, using appropriate spindle at a rotational speed of 20 rpm.

MOLD INHIBITION

Remove other mold inhibitors, particularly propionic-based mold inhibitors when using E-Z Glo.

E-Z Glo contains propionic acid. When added to other propionic-based mold inhibitors, the level in the finished feed may reduce palatability.

See bulletin #1112 - E-Z Glo - Mold Inhibition for more information regarding mold inhibition.