

Pre-Packaged Pesticides

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As the industry tries to make the blending of pesticides safer, the development of dissolvable packages has been a challenge for blending programs. The following steps guide the setup of these products.

Setting Up Packaged Products

Set up an Inventory Department for all prepackaged items. This department should use a scale default set to round to a scale accuracy of 1. Typically, this is the setting for Scale 3 at *Setup / Location Preferences* on the *Blend Setup* tab.

Formulas for Adding the Products

1. The *Inventory Units* and the *Billing Units* should be the same. This makes the *Billing Divisor* equal to one (1). For our example, set these as *Lbs*.
2. The *Package Size* is how many *Lbs* or *Ozs* are in the dissolvable package.
Note: This must be in the same units as the *Inventory Units*.
3. The *Package Units* are set to *Each*.
4. *Product Density* per cu. ft. = a number greater than zero. The higher this number the less it affects the gallon per acre.
5. The *Rate/Acre Units* are entered. These are usually in *Ozs*. This is also called the *Rating Unit*.
6. The *Blending Units* are entered as *Each*.

Calculate the Rate to Blend Ratio

Multiply one (1) *Rating Unit* times the amount of the product in one dissolvable package. Use the same units for the package that were used for the rating unit.

For example, Basis Gold is rated at 14 oz. per acre, so its rating unit is oz. Basis Gold is packaged in a 3.5 lb bag. To determine the number of oz. in the 3.5 lb package, multiply:

$$\{3.5 \text{ (lb/package)} \times 16 \text{ (oz/lb)}\} = 56.$$

Calculate the Blend to Inventory Ratio

This is the number of *Blending Units* in one *Inventory Unit*. Divide one (1) *Blending Unit* by the *Package Size*. Using our example above, the *Blending Unit* is *Each* and the *Inventory Unit* is *Lbs*. The blend to inventory ratio is $1 / 3.5 = 0.2857$.