Quick Compliance Guide for Dealers and Growers

**STEP 1** Refuge Size  Plant the **CORRECT** size refuge for the area and corn product.
- The Cotton-Growing Area
  - 20% **only** for SmartStax, VT Double PRO and Genuity VT Triple PRO (20 acres refuge for every 80 acres of B.t.)

**STEP 2** Refuge Location  Plant the required refuge within each field that contains B.t. insect-protected corn. There are other options, but an in-field refuge is always accepted.
Refuge should always be a minimum of four contiguous rows wide.

**STEP 3** Refuge Planting  In each field, plant your refuge first before planting any insect-protected corn. This will ensure that the minimum refuge size requirement is met should unforeseen circumstances (i.e., adverse weather) alter your planting schedule and strategy.
Use a refuge product that contains no B.t. insect-protection traits (i.e., Roundup Ready® or conventional corn are acceptable). Grower must read the IRM Grower Guide for complete refuge planting requirements.

**STEP 4** Treatment  If you need to treat your refuge with a non-B.t. foliar insecticide, you may need to treat the B.t. technology in a similar manner. Grower must read the IRM Grower Guide for complete treatment options.

*Provided as a summary only. Growers must read the IRM Grower Guide (on the bag tag) prior to planting for important information on planting and insect resistance management.
Calculating IRM Compliance

Structured Refuge

Refer to this diagram for the examples below.

- **A** Total Corn Acres*
- **B** Refuge Acres
- **C** B.t. Acres
- **%** Percent of Required Refuge—5% or 20%

Based on total corn acres

*Includes all corn acres that are infield or adjacent to each other and will be allocated to the B.t. product and its associated refuge.

The **WRONG WAY** to calculate  Example shown is for a 20% refuge product.

Do **NOT** multiply the amount of B.t. acres or seed by the percent of refuge required.

Example:  

\[ C \times \% = B \]

This is **NOT** the correct minimum refuge size.

The **CORRECT WAY** to calculate  Example shown is for a 20% refuge product.

**START** with the **TOTAL** number of corn acres you want to plant in an area.  

Multiply by the **PERCENT** of refuge required for the B.t. trait.  

This is your minimum **REFUGE ACRES**.

Example:  

\[ A \times \% = B \]

Next, subtract your refuge acres from your total corn acres.  

This is your maximum **B.t. ACRES**.

Example:  

\[ A - B = C \]

As part of our commitment to enhancing grower productivity and profitability, growers can download a free Insect Resistance Management (IRM) corn refuge calculator at [www.irmcalculator.com](http://www.irmcalculator.com). Or scan this QR code to start planning yours today.