

# Four Steps Toward IRM Compliance\*



## Quick Compliance Guide for Dealers and Growers

**STEP 1** **Refuge Size** Plant the **CORRECT** size refuge for the area and corn product.

1

In the Cotton-Growing Area:

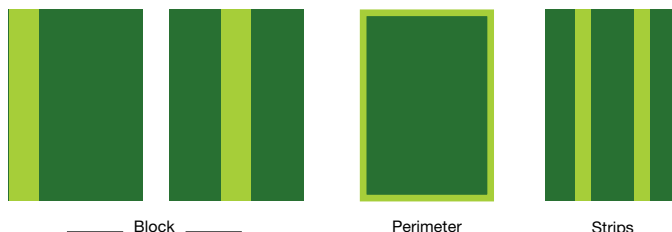
- 20% **only** for SmartStax®, Trecepta®, VT Double PRO® and VT Triple PRO® corn (20 acres refuge for every 80 acres of *B.t.*).

**SEE REVERSE** for instructions on correctly calculating your refuge acres.

**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.

2

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 *B.t.* insect-protected corn. This will ensure that the minimum refuge size requirement is met, should unforeseen circumstances (e.g., adverse weather) alter your planting schedule and strategy.

3

Use a refuge product that contains no *B.t.* insect-protection traits (e.g., Roundup Ready® 2 Corn or conventional corn are acceptable). Grower must read the IRM Grower Guide on the bag tag 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.* insect-protected corn in a similar manner. Grower must read the IRM Grower Guide for complete treatment options.

4

\*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.



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement to comply with the most recent stewardship requirements.



**Bayer is a member of Excellence Through Stewardship® (ETS).** Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

***B.t.* products** may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

**IMPORTANT IRM INFORMATION: RIB Complete®** corn blend products do not require the planting of a structured refuge **except** in the Cotton-Growing Area where corn earworm is a significant pest. **See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.**

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. **Glyphosate** will kill crops that are not tolerant to glyphosate.

Insect control technology provided by **Vip3A** is utilized under license from Syngenta Crop Protection AG. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. Bayer, Bayer Cross, RIB Complete and Design®, Roundup Ready 2 Technology and Design™, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and VT Triple PRO® are trademarks of Bayer Group. ©2020 Bayer Group. All rights reserved.

# Calculating IRM Compliance

**STEP 1**  
FROM OTHER SIDE

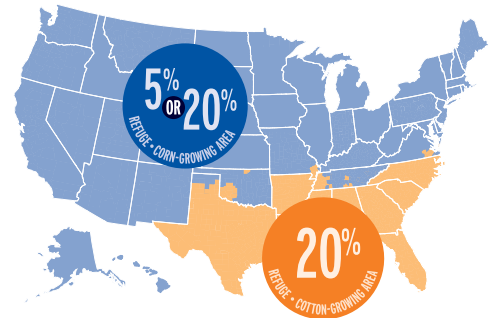


## Structured Refuge



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.

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

Example **C** 160 x **%** 20% = **B** ~~32~~

### 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** 200 x **%** 20% = **B** 40 ✓

Your Field \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

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

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

Example **A** 200 - **B** 40 = **C** 160

Your Field \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

As part of our commitment to enhancing grower productivity and profitability, growers can access an IRM corn refuge look-up tool at [iwilltakeaction.com/refuge-lookup](http://iwilltakeaction.com/refuge-lookup).