

4 STEPS TOWARD IRM COMPLIANCE*



QUICK COMPLIANCE GUIDE FOR DEALERS AND GROWERS

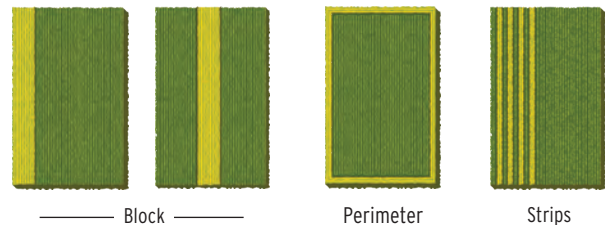
STEP 1 REFUGE SIZE Plant the **CORRECT** size refuge for the area and corn product.

- The Corn-Growing Area
 - 20% required for **some** *B.t.* products, such as Genuity® VT Triple PRO™ and YieldGard VT Triple® (20 acres refuge for every 80 acres of *B.t.*)
 - 5% **only** for Genuity® SmartStax® and Genuity® VT Double PRO™ (5 acres refuge for every 95 acres of *B.t.*)
- The Cotton-Growing Area
 - 50% required for **some** *B.t.* products, such as YieldGard VT Triple (50 acres refuge for every 50 acres of *B.t.*)
 - 20% **only** for Genuity SmartStax, Genuity VT Triple PRO and Genuity VT Double PRO (20 acres refuge for every 80 acres of *B.t.*)

SEE BACK 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.

Refuge should always be a minimum of four rows wide. A refuge less than four rows would be out of compliance with the product registration.



Visit www.irmcalculator.com to download a free IRM corn refuge calculator.

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.

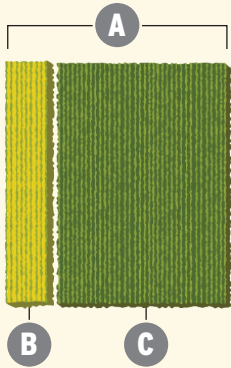
Use a refuge product that contains no *B.t.* insect-protection traits (i.e., Roundup Ready® or conventional corn are acceptable). Grower must read the IRM Grower Guide for complete refuge planting requirements.

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 prior to planting for important information on planting and insect resistance management.

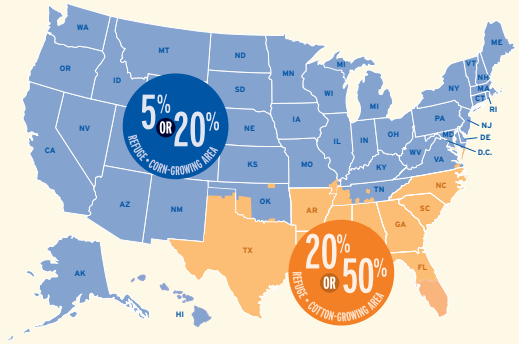
CALCULATING IRM COMPLIANCE

STEP 1 FROM OTHER SIDE



Refer to this diagram for the examples below.

- A** Total Corn Acres*
- B** Refuge Acres
- C** *B.t.* Acres
- %** Percent of Required Refuge— 5% 20% or 50%
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 _____ - _____ = _____



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 Monsanto Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



Monsanto Company is a member of Excellence Through Stewardship® (ETS). Monsanto products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Monsanto's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. Commercial product(s) has 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 Biotechnology Industry Organization.

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

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity®, Monsanto and Vine Design®, Roundup Ready 2 Technology and Design®, Roundup Ready®, Roundup®, SmartStax®, VT Double PRO™, VT Triple PRO™, and YieldGard VT Triple® are trademarks of Monsanto Technology LLC. Ignite® and LibertyLink® and the Water Droplet Design® are registered trademarks of Bayer. Herculex® is a registered trademark of Dow AgroSciences LLC. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. All other trademarks are the property of their respective owners. ©2011 Monsanto Company. [23699Gp]d 5A7K116014

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