### Corn Refuge Overview — Cotton-Growing Areas

<table>
<thead>
<tr>
<th>Corn Trait</th>
<th>Refuge</th>
<th>Within</th>
<th>Adjacent</th>
<th>Non-Adjacent</th>
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<tbody>
<tr>
<td>Control for Above- and Below-Ground Pests</td>
<td>Block</td>
<td>Perimeter</td>
<td>Strips</td>
<td>Adjacent</td>
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<tr>
<td><strong>SmartStax Corn</strong></td>
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<tr>
<td><strong>VT Triple Pro’CORN</strong></td>
<td>20%</td>
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<tr>
<td><strong>YieldGard VT Triple</strong></td>
<td>50%</td>
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<tr>
<td><strong>YieldGard Corn Borer</strong></td>
<td>50%</td>
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**Common Refuge:**
A common refuge is a single field that serves as a refuge for both above-ground pests (e.g., corn borer) and below-ground pests (e.g., corn rootworm) at the same time.

**Separate Refuge:**
A separate refuge is an option that requires two fields—one field which is adjacent to or within your B.t. field that serves as a refuge for below-ground pests (e.g., corn rootworm) and a separate field (up to 1/2 mile away) that serves as a refuge for above-ground pests (e.g., corn borer).

*Provided as a summary only. Growers must read the IRM/Grower Guide prior to planting. Several configuration options not shown.*
**COTTON-GROWING AREAS**

The following states and counties have been determined to be cotton-growing areas:

- Alabama
- Arkansas
- Florida
- Georgia
- Louisiana
- Mississippi
- Missouri—only the counties of Dunklin, New Madrid, Pemiscot, Scott, & Stoddard
- North Carolina
- Oklahoma—only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, & Washita
- South Carolina
- Tennessee—only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, & Tipton
- Texas—all counties except Carson, Dallam, H alphorsford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, & Sherman
- Virginia—only the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, & Sussex

**REFUGE PLANTING**

Refuge must be planted with corn hybrids that do not contain B.t. technologies. The refuge can be planted with Roundup Ready® Corn 2 or conventional corn. A refuge planted for one B.t. technology cannot also function as the refuge for another B.t. technology. In each field, plant your refuge first before planting any insect-protected corn. Grower mixing of non-B.t. seed with B.t. technologies is not permitted.

**REFUGE LOCATION**

The refuge can be within or adjacent to the B.t. field. If adjacent, it can typically be separated by a road, path, ditch, etc., but not by another field. For Genuity® VT Double PRO™, YieldGard® Corn Borer, and Genuity® SmartStax® (in limited areas) the refuge can be separated by another field if located within 1/2 mile from the B.t. field.*

**REFUGE SIZE**

If perimeter strips or in-field strips are implemented, the strips must be at least four consecutive rows of corn wide. Farmers should calculate the acres required for refuge and plant the appropriate amount of refuge seed for the configuration option selected. For example, if in the 20% refuge region and choosing to plant in-field strips, calculate how much refuge seed is needed to meet the 20% minimum requirement and fill the refuge planter boxes with that amount. Plant the strips until the 20% minimum refuge seed is completed. Then fill the planter boxes with B.t. seed and continue planting the rest of the field.

* For YieldGard VT Triple® and YieldGard Plus, a separate refuge option is available. Consult the Insect Resistance Management (IRM)/Grower Guide for complete information.

Growers must read the IRM/Grower Guide prior to planting for important information on planting and insect resistance management.