**Plant-Incorporated Protectant Label**  
**Final Marketplace Product Label**

**Agrisure Viptera® 3220 Refuge Advanced**

OECD Unique Identifier: SYN-BTØ11-1×SYN-IR162-4×DAS-Ø15Ø7-1

This product is effective in controlling corn leaf, stalk, and ear damage caused by corn borers and other lepidopteran pests.

### Active Ingredients:

- *Bacillus thuringiensis* Cry1Ab protein and the genetic material necessary for its production (via elements of vector pZO1502) in corn event Bt11 (SYN-BTØ11-1) ≤0.00103%*

- *Bacillus thuringiensis* Vip3Aa20 protein and the genetic material necessary for its production (via elements of vector pNOV1300) in corn event MIR162 (SYN-IR162-4) ≤0.00256%*

- *Bacillus thuringiensis* Cry1F protein and the genetic material necessary for its production (via elements of vector PHP8999) in corn event TC1507 (DAS-Ø15Ø7-1) ≤0.00077%*

### Other Ingredients:

- Phosphinothricin acetyltransferase protein and the genetic material necessary for its production (via elements of vector pZO1502) in corn event Bt11 (SYN-BTØ11-1) and (via elements of vector PHP8999) in corn event TC1507 (DAS-Ø15Ø7-1) ≤0.00017%*

- Phosphomannose isomerase protein and the genetic material necessary for its production (via elements of vector pNOV1300) in corn event MIR162 (SYN-IR162-4) ≤0.00025%*

*Percent dry weight in whole plant

### DIRECTIONS FOR USE

It is a violation of federal law to use this product in any manner inconsistent with this labeling. This plant-incorporated protectant (PIP) may be combined through conventional breeding with other registered PIPs that are similarly approved for use in combination to produce inbred corn...
lines and hybrid corn varieties with combined pesticidal traits. All seed corn containing this PIP must be accompanied by informational material (e.g., a bag tag) indicating the EPA registration number and the active ingredients, and stipulating that growers read the Syngenta Stewardship Guide (or equivalent guidance) prior to planting their seed. The refuge size requirement must be displayed on the seed bag or bag tag in both text and graphic format.

**Insects Controlled or Suppressed**

Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn has been genetically transformed to produce the insecticidal proteins, Cry1Ab, Vip3Aa20, and Cry1F, for control or suppression of the following lepidopteran insects and associated leaf, stalk and ear damage:

- Black cutworm (*Agrotis ipsilon*)
- Southern cornstalk borer (*Diatraea crambidoides*)
- Southwestern corn borer (*Diatraea grandiosella*)
- Sugarcane borer (*Diatraea saccharalis*)
- Lesser cornstalk borer (*Elastomopalus lignosellus*)
- Dingy Cutworm (*Feltia jaculifera*)
- Corn earworm (*Helicoverpa zea*)
- European corn borer (*Ostrinia nubilalis*)
- Common stalk borer (*Papaipema nebris*)
- True armyworm (*Pseudaletia unipuncta*)
- Beet armyworm (*Spodoptera exigua*)
- Fall armyworm (*Spodoptera frugiperda*)
- Western bean cutworm (*Striacosta albicosta*)

**INSECT RESISTANCE MANAGEMENT**

Each bag of Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn contains a blend of 95% Bt11 × MIR162 × TC1507 seed and 5% non-Bt refuge seed.

The following information regarding commercial production of Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn must be included in the Grower Guide (or equivalent).

**IRM Requirements for Corn-Growing Areas of the U.S.**

Refuge seed is blended into each bag of Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn. There is no requirement for growers to plant a separate structured refuge for managing resistance risk in corn-growing areas of the U.S. Corn-growing areas are those counties and states not defined below as comprising the cotton-growing areas of the U.S. Read the Syngenta Stewardship Guide.

**IRM Requirements for Cotton-Growing Areas of the U.S.**

In cotton-growing areas growers who plant Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn must plant a supplemental 20% structured refuge. The following table lists those states and counties identified by the Environmental Protection Agency (EPA) as cotton-growing areas.
<table>
<thead>
<tr>
<th>State</th>
<th>Counties Identified by EPA as Cotton-Growing Areas</th>
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</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>All Counties</td>
</tr>
<tr>
<td>Arkansas</td>
<td>All Counties</td>
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<tr>
<td>Florida</td>
<td>All Counties</td>
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<tr>
<td>Georgia</td>
<td>All Counties</td>
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<tr>
<td>Louisiana</td>
<td>All Counties</td>
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<tr>
<td>Mississippi</td>
<td>All Counties</td>
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<tr>
<td>Missouri</td>
<td>Dunklin, New Madrid, Pemiscot, Scott, Stoddard</td>
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<tr>
<td>North Carolina</td>
<td>All Counties</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, Washita</td>
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<tr>
<td>South Carolina</td>
<td>All Counties</td>
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<tr>
<td>Tennessee</td>
<td>Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, Tipton</td>
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<tr>
<td>Texas</td>
<td>All counties with the exception of the following:</td>
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<tr>
<td></td>
<td>Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, Sherman</td>
</tr>
<tr>
<td>Virginia</td>
<td>Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey</td>
</tr>
</tbody>
</table>

The 20% supplemental refuge must be planted with hybrids that do not contain Bt technologies. The supplemental refuge can be planted as strips within the field, perimeter strips, a block within the field, a block adjacent to the field, or a separate block within ½ mile of the Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn field. If in-field or perimeter strips are implemented, the strips must be at least four consecutive rows wide.

The supplemental refuge in cotton-growing areas can be protected from feeding damage by application of non-Bt microbial insecticides if the population of one or more lepidopteran pests exceeds economic thresholds. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents or crop consultants). In addition, the supplemental refuge can be protected from corn rootworm feeding damage by use of an appropriate seed treatment or conventional insecticide. However, insecticides labeled for adult corn rootworm control must be avoided in the supplemental refuge during the period of corn rootworm adult emergence.
The following text and graphic indicating the supplemental refuge size requirement will appear on Bt11 × MIR162 × TC1507 Refuge Seed Blend Corn bags or bag tags.

**Important grower information.**
**Supplemental refuge planting requirement.**

**No additional refuge needed**
Corn-growing areas

or

**20% refuge**
Cotton-growing areas

For more information, please refer to Syngenta Stewardship Guide.