Plant-incorporated Protectant Label

Product Label

Bt11×MIR162×MIR604×TC1507×5307 Corn

[Alternate brand name: Agrisure® Duracade™ 5222 Corn]

OECD Unique Identifier: SYN-BTØ11-1×SYN-IR162-4×SYN-IR6Ø4-5×DAS-15Ø7-1×SYN-Ø53Ø7-1

This product is effective in controlling corn leaf, stalk, ear, and root feeding damage caused by lepidopteran and corn rootworm pests.

Active Ingredients:

*Bacillus thuringiensis* Cry1Ab protein and the genetic material necessary for its production (via elements of vector pZO1502) in Bt11 corn (SYN-BTØ11-1) .................. ≤0.00495%*

*Bacillus thuringiensis* Vip3Aa20 protein and the genetic material necessary for its production (via elements of vector pNOV1300) in MIR162 corn (SYN-IR162-4) .......... ≤0.00431%*

*Bacillus thuringiensis* mCry3A protein and the genetic material necessary for its production (via elements of vector pZM26) in MIR604 corn (SYN-IR6Ø4-8) ............. ≤0.00060%*

*Bacillus thuringiensis* Cry1F protein and the genetic material necessary for its production (via elements of vector PHI8999) in TC1507 corn (DAS-Ø15Ø7-1) .............. ≤0.00122%*

*Bacillus thuringiensis* eCry3.1Ab protein and the genetic material necessary for its production (via elements of vector pSYN12274) in 5307 corn (SYN-Ø53Ø7-1) ............. ≤0.00261%

Other Ingredients:

A marker protein and the genetic material necessary for its production (via elements of vector pZO1502) in Bt11 corn (SYN-BTØ11-1) and (via elements of vector PHI8999) in TC1507 corn (DAS-Ø15Ø7-1) .......................................................... ≤0.00020%*

A marker protein and the genetic material necessary for its production (via elements of vector pNOV1300) in MIR162 corn (SYN-IR162-4), (via elements of vector pZM26) in MIR604 corn (SYN-IR6Ø4-8), and (via elements of vector pSYN12274) in 5307 corn (SYN-Ø53Ø7-1) .......................................................... ≤0.00179%*

*Percent (wt/wt) of whole plant on a dry weight basis

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Registration No. 67979-23Syngenta Seeds, Inc. – Field Crops – NAFTA
EPA Establishment No. 66736-NC-01P.O. Box 12257
3054 East Cornwallis Road

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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 may be combined through conventional breeding with other registered plant-incorporated protectants that are similarly approved for use in combination, through conventional breeding, with other registered plant-incorporated protectants to produce inbred corn lines and hybrid corn varieties with combined pesticidal traits.

All seed corn that contains the plant-incorporated protectant sold or distributed by Syngenta Seeds, Inc. or its distributors must be accompanied by informational material (e.g. a bag tag) indicating the registration number and the active ingredients, and stipulating that growers read the Syngenta Stewardship Guide (or equivalent guidance) prior to planting the 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

Field corn has been genetically transformed to produce the insecticidal proteins, Cry1Ab, Vip3Aa20, mCry3A, Cry1F, and eCry3.1Ab for control or suppression of the following coleopteran and lepidopteran insects:

European corn borer (Ostrinia nubilalis)
Southwestern corn borer (Diatraea grandiosella)
Southern cornstalk borer (Diatraea crambidoides)
Corn earworm (Helicoverpa zea)
Fall armyworm (Spodoptera frugiperda)
Beet armyworm (Spodoptera exigua)
Black cutworm (Agrotis ipsilon)
Western bean cutworm (Striacosta albicosta)
Sugarcane borer (Diatraea saccharalis)
Lesser cornstalk borer (Elasmopalpus lignosellus)
Dingy Cutworm (Feltia jaculifera)
Common stalk borer (Papaipema nebris)
Western corn rootworm (Diabrotica virgifera virgifera)
Northern corn rootworm (Diabrotica barberi)
Mexican corn rootworm (Diabrotica virgifera zeae)

Insect Resistance Management

The following information regarding commercial production of Bt11xMIR162xMIR604xTC1507x5307 corn must be included in the Syngenta Stewardship Guide (or equivalent). Growers must plant a refuge when using this product. Grower agreements (also known as stewardship agreements) will specify that growers must adhere to the refuge requirements as described in the Syngenta Stewardship guide/product use guide and/or in supplements to the Stewardship guide. Growers have two options for deployment of the refuge:
Refuge Option 1

The first option is planting a common refuge for both corn borers and corn rootworms. The common refuge must be planted with corn hybrids that do not contain Bt technologies for the control of corn pests. The refuge area must represent at least 5% (or 20% in cotton growing regions) of the grower’s corn acres (i.e., sum of Bt11xMIR162xMIR604xTC1507x5307 corn acres and refuge acres). It must be planted as a block adjacent to the Bt11xMIR162xMIR604xTC1507x5307 corn field, perimeter strips, or in-field strips. If perimeter or in-field strips are implemented, the strips must be at least four consecutive rows wide. If the common refuge is planted on rotated ground, then Bt11xMIR162xMIR604xTC1507x5307 corn must also be planted on rotated ground. If the common refuge is planted in continuous corn, the Bt11xMIR162xMIR604xTC1507x5307 corn field may be planted on either continuous or rotated land.

The common refuge can be treated with a soil-applied or seed-applied insecticide to control rootworm larvae and other soil pests. The refuge can also be treated with a non-Bt foliar insecticide for control of late season pests, if pest pressure reaches an economic threshold for damage; however, if rootworm adults are present at the time of foliar applications, then the Bt11xMIR162xMIR604xTC1507x5307 corn field must be treated in a similar manner. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents or crop consultants). Pests other than adult corn rootworms can be treated with an appropriate pest-labeled insecticide on the common refuge acres without treating the Bt11xMIR162xMIR604xTC1507x5307 corn acres only if treatment occurs when adult corn rootworms are not present. Pests on the Bt11xMIR162xMIR604xTC1507x5307 corn acres can be treated as needed without having to treat the common refuge.

Refuge Option 2

The second option is planting separate refuge areas for corn borers and corn rootworms. The corn borer refuge must be planted with a non-Bt/lepidopteran-protected hybrid, must represent at least 5% (or 20% in cotton growing regions) of the grower’s corn acres (i.e., sum of Bt11xMIR162xMIR604xTC1507x5307 corn acres and corn borer refuge acres), and must be planted within ½ mile of the Bt11xMIR162xMIR604xTC1507x5307 cornfield. Refuge planting options include separate fields, blocks within fields (e.g., along the edges or headlands), perimeter strips, or in-field strips. If perimeter or in-field strips are implemented, the strips must be at least four consecutive rows wide. The corn borer refuge can be treated with a soil-applied or seed-applied insecticide for corn rootworm larval control or a non-Bt foliar-applied insecticide for corn borer control, if pest pressure reaches an economic threshold for damage. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents or crop consultants).

The corn rootworm refuge cannot be planted with a corn rootworm-protected Bt hybrid, but can be planted with a non-Bt hybrid or a Bt corn hybrid that controls corn borers. The corn rootworm refuge must represent at least 5% (or 20% in cotton growing regions) of the grower’s corn acres (i.e., sum of Bt11xMIR162xMIR604xTC1507x5307 corn acres and rootworm refuge acres) and must be planted as an adjacent block, perimeter strips, or in-field strips. If perimeter or in-field strips are implemented, the strips must be at least four consecutive rows wide. If the rootworm
refuge is planted on rotated ground, then Bt11xMIR162xMIR604xTC1507x5307 corn must also be planted on rotated ground. If the rootworm refuge is planted in continuous corn, the Bt11xMIR162xMIR604xTC1507x5307 cornfield may be planted on either continuous or rotated land. More generally, the corn rootworm refuge should utilize comparable agronomic practices as the Bt11xMIR162xMIR604xTC1507x5307 corn acres. The corn rootworm refuge can be treated with a soil-applied or seed-applied insecticide to control rootworm larvae and other soil pests. The refuge can also be treated with a non-Bt foliar insecticide for control of late season pests; however, if rootworm adults are present at the time of foliar applications, then the Bt11xMIR162xMIR604xTC1507x5307 corn field must be treated in a similar manner. Pests other than adult corn rootworms can be treated on the rootworm refuge acres without treating the Bt11xMIR162xMIR604xTC1507x5307 corn acres only if treatment occurs when adult corn rootworms are not present or if a pesticide without activity against adult corn rootworms is used. Pests on the Bt11xMIR162xMIR604xTC1507x5307 corn acres can be treated as needed without having to treat the rootworm refuge.

**Cotton-Growing Areas Requiring 20% Refuge Corn**

<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>
</tr>
<tr>
<td>Mississippi</td>
<td>All Counties</td>
</tr>
<tr>
<td>Missouri</td>
<td>Dunklin, New Madrid, Pemiscot, Scott, Stoddard</td>
</tr>
<tr>
<td>North Carolina</td>
<td>All Counties</td>
</tr>
</tbody>
</table>
| Oklahoma       | Beckham, Harmon, Washita, Caddo, Comanche, Custer, Greer, 
                  | Jackson, Kay, Kiowa, Kiowa, Kiowa, Tillman       |
| South Carolina | All Counties                                      |
| Tennessee      | Carroll, Franklin, Lake, Chester, Crockett, Dyer, 
                  | Gibson, Lauderdale, Shelby, Hardeman, Hardin, 
                  | Rutherford, Shelby, Tipton, Haywood, Madison, 
                  | Crockett, Lincoln, Tipton, Haywood, Obion       |
| Texas          | All counties with the exception of the following:  |
                  | Carson, Dallam, Hansford, Hartley, Hutchinson     |
                  | Lipscomb, Moore, Ochiltree, Roberts, Sherman     |
| Virginia       | Dinwiddie, Franklin City, Greensville, Isle of Wright, 
                  | Southampton, Suffolk City, Surrey, Sussex, Northampton |
The following are schematics of the various refuge deployment options:
The following text and graphic indicating the refuge size requirement will appear on Bt11×MIR162×MIR604×TC1507×5307 seed corn bags or bag tags.

**Important grower information.**
This hybrid requires you to plant:

<table>
<thead>
<tr>
<th>5% refuge</th>
<th>20% refuge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn-growing areas</td>
<td>Cotton-growing areas</td>
</tr>
</tbody>
</table>

For more information please refer to the Syngenta Stewardship Guide.