Optimum® Intrasect™ XTreme
(OECD Unique Identifier: DAS-Ø15Ø7-1xDAS-59122-7xMON-ØØ81Ø-6xSYN-IR6Ø4-5)

**Active Ingredients:**

*Bacillus thuringiensis* Cry1F protein and the genetic material (plasmid insert PHI8999A)
necessary for its production in corn event DAS-Ø15Ø7-1 ............................................................... <0.0018%*

*Bacillus thuringiensis* Cry34Ab1 protein and the genetic material (PHP17662 T-DNA)
necessary for its production in corn event DAS-59122-7 ............................................................... <0.0082%*

*Bacillus thuringiensis* Cry35Ab1 protein and the genetic material (PHP17662 T-DNA)
necessary for its production in corn event DAS-59122-7 ............................................................... <0.0060%*

*Bacillus thuringiensis* Cry1Ab protein and the genetic material (vector PV-ZMBK07)
necessary for its production in corn event MON-ØØ81Ø-6 ............................................................... <0.0011%*

*Bacillus thuringiensis* mCry3A protein and the genetic material (via elements of pZM26)
necessary for its production in corn event SYN-IR6Ø4-5 ............................................................... <0.0018%*

**Inert Ingredients:**

Phosphinothricin acetyltransferase (PAT) protein and the genetic material (plasmid insert
PHI8999A and PHP17662 T-DNA) necessary for its production in corn events DAS-Ø15Ø7-1
and DAS-59122-7 ................................................................................................................... <0.0024%*

Phosphomannose isomerase (PMI) protein and the genetic material (via elements of pZM26)
necessary for its production in corn event SYN-IR6Ø4-5 ............................................................... <0.00084%*

* Percentage (wt/wt) on a dry wt. basis for whole plant (forage).

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

NET CONTENTS __________________

EPA REGISTRATION NUMBER: 29964-14

EPA ESTABLISHMENT NUMBER: 029964-IA-001

Pioneer Hi-Bred International, Inc.
7300 NW 62nd Avenue
Johnston, IA 50131
DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This plant-incorporated protectant (PIP) 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.

The plant-incorporated protectant must be used as specified in the terms and conditions of the registration.

Optimum® Intrasect™ XTreme combines the insect protection features of 1507x59122xMON810 and Agrisure® RW in the same corn hybrid (inbred). Optimum Intrasect XTreme hybrids protect corn crops from leaf, stalk and ear damage caused by lepidopteran corn pests such as the European corn borer and root damage caused by corn rootworm larvae. In order to minimize the risk of the corn pests developing resistance to Optimum Intrasect XTreme, an insect resistance management plan must be implemented.

INSECT RESISTANCE MANAGEMENT

These refuge requirements do not apply to seed increase/propagation of inbred and hybrid seed corn up to a total of 20,000 acres per county and up to a combined United States (U.S.) total of 250,000 acres per plant-incorporated protectant active ingredient per registrant per year.

Growers are instructed to read information on insect resistance management. The following information regarding refuge placement for commercial production must be included in the Grower Guide:

The use of Optimum Intrasect XTreme requires accompanying refuge corn for the Cry1F, Cry34/35Ab1, Cry1Ab and mCry3A components as described in the table below.

<table>
<thead>
<tr>
<th>Region</th>
<th>Refuge size</th>
<th>In-field or adjacent refuge allowed*</th>
<th>Refuge separated by up to ½ mile allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-cotton growing where WCR, NCR and MCR are not significant: AK, OR, WA, ID, MT, WY, UT, VA (except the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, and Sussex), WV, PA, MD, DE, CT, RI, NJ, NY, ME, MA, NH, VT, HI, TN (except the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton)</td>
<td>5% non-Bt maize</td>
<td>Yes</td>
<td>Yes</td>
</tr>
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<td>Region</td>
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<td>Non-cotton-growing where WCR, NCR and/or MCR are significant: KS, NE, SD, ND, MN, IA, MO (except the counties of Dunkin, New Madrid, Pemiscot, Scott, and Stoddard), IL, WI, MI, IN, OH, KY, CO, OK (except the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and Washita), TX (only the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman)</td>
<td>5% non-Bt maize</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cotton growing where CEW is not a significant pest and WCR, NCR and MCR are not significant: NM, AZ, CA, NV</td>
<td>5% non-Bt maize</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cotton growing where CEW is a significant pest and WCR, NCR, and MCR are not significant: NC, SC, GA, FL, TN (only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton), AL, MS, LA, AR, VA (only the counties of Dinwiddie, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, and Sussex)</td>
<td>20% non-Bt maize</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cotton growing where CEW is a significant pest and WCR, NCR, and/or MCR are significant: TX (except the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman), OK (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, and Washita), MO (only the counties of Dunkin, New Madrid, Pemiscot, Scott, and Stoddard)</td>
<td>20% non-Bt maize</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

* The common refuge can be separated by a ditch or a road but not by another field. The refuge must be owned or managed by the same grower. A neighbor’s field cannot be used as the refuge.

If corn rootworms are significant within a region, the block/strip refuge must be planted as an in-field or adjacent refuge using non-Bt corn hybrids. It can be planted as block within or adjacent (e.g. across the road) to the Optimum Intrasect XTreme field, perimeter strips (i.e. strips around the field), or in-field strips that are at least one (1) row wide. The refuge can be protected from lepidopteran damage use of non-Bt insecticides if the population of one or more target lepidopteran pests of Optimum Intrasect XTreme in the refuge exceeds economic thresholds. In addition, the refuge can be protection from CRW damage by an appropriate seed treatment or soil insecticide; however, insecticides labels for adult CRW control must be avoided in the refuge during the period of CRW adult emergence. Economic threshold will be determined using method recommended by local or
A schematic of one common refuge deployment option is shown below:

If corn rootworms are not significant within a region, the block/strip refuge may be planted as an in-field or adjacent refuge, or as a separate block that is within a ½ mile of the Optimum Intrasect XTreme field. The block/strip refuge must be planted using non-Bt corn hybrids. Economic threshold will be determined using method recommended by local or regional professionals (e.g. Extension Service agents, crop consultants). A schematic of one refuge deployment option with the refuge planted within a ½ mile of the Optimum Intrasect XTreme field is shown below:

Use Pattern

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field corn</td>
<td>black cutworm, corn earworm, European corn borer, fall armyworm, lesser corn stalk borer, southern corn stalk borer, southwestern corn borer, sugarcane borer, stalk borer, western bean cutworm, western corn rootworm, northern corn rootworm, Mexican corn rootworm</td>
</tr>
</tbody>
</table>