Optimum® AcreMax® Xtra
(OECD Unique Identifier: DAS-Ø15Ø7-1xDAS-59122-7xMON-ØØ81Ø-6)

Active Ingredients:

- Bacillus thuringiensis var. aizawai Cry1F protein and the genetic material (PHI8999A) necessary for its production in corn event DAS-Ø15Ø7-1 ................................................................. <0.0011%*
- Bacillus thuringiensis Cry34Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ................................................................. <0.0054%*
- Bacillus thuringiensis Cry35Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ................................................................. <0.0042%*

Other Ingredient:

- Phosphinothricin acetyltransferase (PAT) marker protein and the genetic material necessary for its production in corn ........................................................................................... <0.0013%*

* Percentage (wt/wt) on a dry wt. basis for whole plant tissue of 1507x59122xMON810 plants.

KEEP OUT OF REACH OF CHILDREN

CAUTION

NET CONTENTS ________________

EPA REGISTRATION NUMBER: 29964-11

EPA ESTABLISHMENT NUMBER: 029964-IA-001

Pioneer Hi-Bred International, Inc.
7300 NW 62 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.

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

Optimum® AcreMax® Xtra consists up to 90% 1507x59122xMON810 maize and a minimum of 10% non-Bt seed blended together in a bag of seed. This product controls above- and below-ground pests of maize, and the blended non-Bt plants provide refuge for both lepidopteran and corn rootworm pests.

INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management.

Corn seed bags and bag tags for products containing Optimum® AcreMax® Xtra must include the refuge size requirements in text and graphical format.

The following information regarding commercial production must be included in the grower guides for cotton and non-cotton growing areas:

Corn-Belt/Non-Cotton Growing Areas

Optimum® AcreMax® Xtra contains a Lepidopteran and corn rootworm refuge that is “in the bag” and is automatically implemented when the grower plants the product. No additional refuge is required when planting this product in non-cotton growing areas of the United States. An external 20% lepidopteran refuge is required in cotton-growing regions where corn earworm is a significant pest.

Foliar insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. Foliar insecticide treatments are also permitted for control of corn rootworm adults if economic thresholds are reached. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants).

Cotton-Growing Region Refuge Requirements

In cotton-growing regions where corn earworm is a significant pest:

- The 20% refuge must be planted with non-Bt corn hybrids.
- Optimum® AcreMax® Xtra and the 20% non-Bt refuge should be sown on the same day, or with the shortest window possible between planting dates.
- External refuges must be planted as an in-field or adjacent (e.g., across the road) refuge or as a separate block within 1/2 mile of the Optimum® AcreMax® Xtra corn field.
- In field refuge options include: blocks, perimeter strips (i.e., along the edges or headlands), or in-field strips.
- When planting the refuge in strips across the field, refuges must be at least four (4) rows wide.
- Insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. In addition, the refuge can be protected from CRW damage by an appropriate seed treatment or soil insecticide; however, insecticides labeled for adult CRW control must be avoided in the refuge during the period of CRW adult emergence. Economic thresholds will be
determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants). Microbial _Bt_ insecticides must not be applied to non- _Bt_ corn refuge plants.

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

### Use Pattern

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field corn</td>
<td>black cutworm</td>
</tr>
<tr>
<td></td>
<td>corn earworm</td>
</tr>
<tr>
<td></td>
<td>European corn borer</td>
</tr>
<tr>
<td></td>
<td>fall armyworm</td>
</tr>
<tr>
<td></td>
<td>lesser corn stalk borer</td>
</tr>
<tr>
<td></td>
<td>southern corn stalk borer</td>
</tr>
<tr>
<td></td>
<td>southwestern corn borer</td>
</tr>
<tr>
<td></td>
<td>sugarcane borer</td>
</tr>
<tr>
<td></td>
<td>stalk borer</td>
</tr>
<tr>
<td></td>
<td>western bean cutworm</td>
</tr>
<tr>
<td></td>
<td>western corn cutworm</td>
</tr>
<tr>
<td></td>
<td>northern corn rootworm</td>
</tr>
<tr>
<td></td>
<td>Mexican corn rootworm</td>
</tr>
</tbody>
</table>
Optimum® AcreMax® Xtra
(OECD Unique Identifier: DAS-Ø15Ø7-1xDAS-59122-7xMON-ØØ81Ø-6)

Active Ingredients:

*Bacillus thuringiensis var. aizawai* Cry1F protein and the genetic material (PHI8999A) necessary for its production in corn event DAS-Ø15Ø7-1 ................................................................. <0.0011%*

*Bacillus thuringiensis* Cry34Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ................................................................. <0.0054%*

*Bacillus thuringiensis* Cry35Ab1 protein and the genetic material (PHP17662) necessary for its production in corn event DAS-59122-7 ................................................................. <0.0042%*

Other Ingredient:

Phosphinothricin acetyltransferase (PAT) marker protein and the genetic material necessary for its production in corn ................................................................. <0.0013%*

*Percentage (wt/wt) on a dry wt. basis for whole plant tissue of 1507x59122xMON810 plants.

KEEP OUT OF REACH OF CHILDREN

CAUTION

NET CONTENTS ________________

EPA REGISTRATION NUMBER: 29964-11

EPA ESTABLISHMENT NUMBER: 029964-IA-001

Pioneer Hi-Bred International, Inc.
7300 NW 62 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.

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

Optimum® AcreMax® Xtra consists up to 90% 1507x59122xMON810 maize and a minimum of 10% non-Bt seed blended together in a bag of seed. This product controls above- and below-ground pests of maize, and the blended non-Bt plants provide refuge for both lepidopteran and corn rootworm pests.

INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management.

Corn seed bags and bag tags for products containing Optimum® AcreMax® Xtra must include the refuge size requirements in text and graphical format.

The following information regarding commercial production must be included in the grower guides for cotton and non-cotton growing areas:

Corn-Belt/Non-Cotton Growing Areas

Optimum® AcreMax® Xtra contains a Lepidopteran and corn rootworm refuge that is “in the bag” and is automatically implemented when the grower plants the product. No additional refuge is required when planting this product in non-cotton growing areas of the United States. **An external 20% lepidopteran refuge is required in cotton-growing regions where corn earworm is a significant pest.**

Foliar insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. Foliar insecticide treatments are also permitted for control of corn rootworm adults if economic thresholds are reached. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants).

Cotton-Growing Region Refuge Requirements

In cotton-growing regions where corn earworm is a significant pest:

- The 20% refuge must be planted with non-Bt corn hybrids.
- Optimum® AcreMax® Xtra and the 20% non-Bt refuge should be sown on the same day, or with the shortest window possible between planting dates.
- External refuges must be planted as an in-field or adjacent (e.g., across the road) refuge or as a separate block within 1/2 mile of the Optimum® AcreMax® Xtra corn field.
- In-field refuge options include: blocks, perimeter strips (i.e., along the edges or headlands), or in-field strips.
- When planting the refuge in strips across the field, refuges must be at least four (4) rows wide.
- Insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. In addition, the refuge can be protected from CRW damage by an appropriate seed treatment or soil insecticide; however, insecticides labeled for adult CRW control must be avoided in the refuge during the period of CRW adult emergence. Economic thresholds will be
determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants). Microbial Bt insecticides must not be applied to non-Bt corn refuge plants.

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

### Use Pattern

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field corn</td>
<td>black cutworm</td>
</tr>
<tr>
<td></td>
<td>corn earworm</td>
</tr>
<tr>
<td></td>
<td>European corn borer</td>
</tr>
<tr>
<td></td>
<td>fall armyworm</td>
</tr>
<tr>
<td></td>
<td>lesser corn stalk borer</td>
</tr>
<tr>
<td></td>
<td>southern corn stalk borer</td>
</tr>
<tr>
<td></td>
<td>southwestern corn borer</td>
</tr>
<tr>
<td></td>
<td>sugarcane borer</td>
</tr>
<tr>
<td></td>
<td>stalk borer</td>
</tr>
<tr>
<td></td>
<td>western bean cutworm</td>
</tr>
<tr>
<td></td>
<td>western corn cutworm</td>
</tr>
<tr>
<td></td>
<td>northern corn rootworm</td>
</tr>
<tr>
<td></td>
<td>Mexican corn rootworm</td>
</tr>
</tbody>
</table>
Optimum® AcreMax® Xtra
(OECD Unique Identifier: DAS-Ø15Ø7-1xDAS-59122-7xMON-ØØ81Ø-6)

Active Ingredients:

*Bacillus thuringiensis var. aizawai* Cry1F protein and the genetic material (PHI8999A)
necessary for its production in corn event DAS-Ø15Ø7-1 ......................................................... <0.0011%*

*Bacillus thuringiensis* Cry34Ab1 protein and the genetic material (PHP17662)
necessary for its production in corn event DAS-59122-7 .......................................................... <0.0054%*

*Bacillus thuringiensis* Cry35Ab1 protein and the genetic material (PHP17662)
necessary for its production in corn event DAS-59122-7 .......................................................... <0.0042%*

Other Ingredient:

Phosphinothricin acetyltransferase (PAT) marker protein and the genetic material
necessary for its production in corn ........................................................................................... <0.0013%*

*Percentage (wt/wt) on a dry wt. basis for whole plant tissue of 1507x59122xMON810 plants.

KEEP OUT OF REACH OF CHILDREN

CAUTION

NET CONTENTS ________________

EPA REGISTRATION NUMBER: 29964-11

EPA ESTABLISHMENT NUMBER: 029964-IA-001

Pioneer Hi-Bred International, Inc.
7300 NW 62 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.

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

Optimum® AcreMax® Xtra consists up to 90% 1507x59122xMON810 maize and a minimum of 10% non-Bt seed blended together in a bag of seed. This product controls above- and below-ground pests of maize, and the blended non-Bt plants provide refuge for both lepidopteran and corn rootworm pests.

INSECT RESISTANCE MANAGEMENT

Growers are instructed to read information on insect resistance management.

Corn seed bags and bag tags for products containing Optimum® AcreMax® Xtra must include the refuge size requirements in text and graphical format.

The following information regarding commercial production must be included in the grower guides for cotton and non-cotton growing areas:

Corn-Belt/Non-Cotton Growing Areas

Optimum® AcreMax® Xtra contains a Lepidopteran and corn rootworm refuge that is “in the bag” and is automatically implemented when the grower plants the product. No additional refuge is required when planting this product in non-cotton growing areas of the United States. An external 20% lepidopteran refuge is required in cotton-growing regions where corn earworm is a significant pest.

Foliar insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. Foliar insecticide treatments are also permitted for control of corn rootworm adults if economic thresholds are reached. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants).

Cotton-Growing Region Refuge Requirements

In cotton-growing regions where corn earworm is a significant pest:

- The 20% refuge must be planted with non-Bt corn hybrids.
- Optimum® AcreMax® Xtra and the 20% non-Bt refuge should be sown on the same day, or with the shortest window possible between planting dates.
- External refuges must be planted as an in-field or adjacent (e.g., across the road) refuge or as a separate block within 1/2 mile of the Optimum® AcreMax® Xtra corn field.
- In field refuge options include: blocks, perimeter strips (i.e., along the edges or headlands), or in-field strips.
- When planting the refuge in strips across the field, refuges must be at least four (4) rows wide.
- Insecticide treatments for control of European corn borer, corn earworm, southwestern corn borer, fall armyworm, black cutworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer may be applied only if economic thresholds are reached for one or more of these target pests. In addition, the refuge can be protected from CRW damage by an appropriate seed treatment or soil insecticide; however, insecticides labeled for adult CRW control must be avoided in the refuge during the period of CRW adult emergence. Economic thresholds will be
determined using methods recommended by local or regional professionals (e.g., Extension Service agents, crop consultants). Microbial Bt insecticides must not be applied to non-Bt corn refuge plants.

- Cotton-growing areas include the following states: Alabama, Arkansas, Georgia, Florida, Louisiana, North Carolina, Mississippi, South Carolina, Oklahoma (only the counties of Beckham, Caddo, Comanche, Custer, Greer, Harmon, Jackson, Kay, Kiowa, Tillman, Washita), Tennessee (only the counties of Carroll, Chester, Crockett, Dyer, Fayette, Franklin, Gibson, Hardeman, Hardin, Haywood, Lake, Lauderdale, Lincoln, Madison, Obion, Rutherford, Shelby, and Tipton), Texas (except the counties of Carson, Dallam, Hansford, Hartley, Hutchinson, Lipscomb, Moore, Ochiltree, Roberts, and Sherman), Virginia (only the counties of Dinwiddle, Franklin City, Greensville, Isle of Wight, Northampton, Southampton, Suffolk City, Surrey, Sussex) and Missouri (only the counties of Dunklin, New Madrid, Pemiscot, Scott, Stoddard).

**Use Pattern**

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