

ACCEPTED

NOV 26 2008

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 67979-14

MIR162 maize

Alternative brand name: MIR162 corn

Insect Control Protein
(OECD Unique Identifier: SYN-IR162-4)

Active Ingredient:

Bacillus thuringiensis Vip3Aa20 insecticidal protein and the genetic material necessary for its production (via elements of vector pNOV1300) in Event MIR162 maize (SYN-IR162-4)0.00167 – 0.00751%*

Other Ingredient:

A marker protein and the genetic material necessary for its production (via elements of vector pNOV1300) in Event MIR162 corn (SYN-IR162-4) 0.00014 – 0.00073%*

*Percentage in whole plants on a dry-weight basis.

CAUTION

Keep Out of Reach of Children

EPA Registration Number 67979-14
EPA Establishment Number 66736-NC-1

Syngenta Seeds, Inc - Field Crops - NAFTA
P.O. Box 12257
3054 E. Cornwallis Rd.
Research Triangle Park, NC 27709

DIRECTIONS FOR USE

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

This product may be used for breeding purposes, agronomic testing, increasing inbred seed stocks, and producing hybrid seed on up to a total of 20,000 acres per county and up to a combined United States total of 30,000 acres per year. Commercial plantings of this product for the purposes of grain production and controlling corn insect pests are prohibited.

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.

STORAGE AND DISPOSAL

Planting seed, as well as harvested seed, should be stored in a secure, cool, and dry place. Do not contaminate bodies of water by storage or disposal.

ACCEPTED

FEB 13 2009

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 67979-12

Bt11 x MIR162 Corn

[Alternate brand name: "Agrisure™ 2100"]

OECD Unique Identifier: SYN-BT011-1 x SYN-IR162-4

Plant-incorporated protectant:

Cry1Ab and Vip3Aa20 proteins for control of corn borers and other lepidopteran pests

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

Active Ingredients:

Bacillus thuringiensis Cry1Ab delta-endotoxin protein and the genetic material necessary for its production (via elements of vector pZO1502) in *Bt11* x MIR162 corn (SYN-BT011-1).....0.00140 – 0.00204%*

Bacillus thuringiensis Vip3Aa20 insecticidal protein and the genetic material necessary for its production (via elements of vector pNOV1300) in *Bt11* x MIR162 corn (SYN-IR162-4).....0.0068 – 0.0087%*

Other Ingredients:

A marker protein and the genetic material necessary for its production (via elements of vector pZO1502) in *Bt11* x MIR162 corn (SYN-BT011-1).....0.000065 – 0.000086%*

A marker protein and the genetic material necessary for its production (via elements of vector pNOV1300) in *Bt11* x MIR162 corn (SYN-IR162-4).....0.00035 – 0.00042%*

*Percentage in whole plants on a dry-weight basis

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Registration No. 67979-12
EPA Establishment No. 66736-NC-01

Syngenta Seeds, Inc. - Field Crops - NAFTA
P.O. Box 12257
3054 East Cornwallis Rd.
Research Triangle Park, NC 27709

DIRECTIONS FOR USE

It is a violation of federal law to use this product in any manner inconsistent with this labeling. All corn seed that contains the plant-incorporated protectant sold or distributed by Syngenta Seeds or its distributors must be accompanied by informational material (e.g., a bag

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tag) indicating the registration number (67979-12) and the active ingredients, and stipulating that growers read the Grower Guide (or equivalent guidance) prior to planting the seed.

Insects Controlled or Suppressed

Field corn has been genetically transformed to produce the insecticidal proteins, Cry1Ab and Vip3Aa20, for control or suppression of the following lepidopteran:

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*)
Common stalk borer (*Papaipema nebris*)

Insect Resistance Management

The following information regarding commercial production of *Bt11* x *MIR162* corn must be included in the Grower Guide (or equivalent).

Refuge Requirements for Bt11 x MIR162 Corn

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 (PIP) active ingredient per registrant per year.

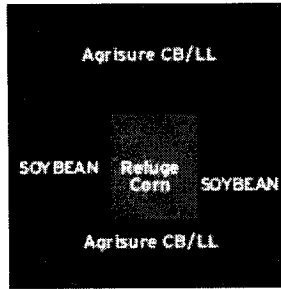
Grower agreements (also known as stewardship agreements) will specify that growers must adhere to the refuge requirements as described in the grower guide/product use guide and/or in supplements to the grower guide/product use guide.

- Specifically, growers must plant a structured refuge of at least 20% non-*Bt* corn and/or non-lepidopteran resistant *Bt* corn that may be treated with insecticides, as detailed below, to control lepidopteran stalk-boring and other pests.
- Refuge planting options include: separate fields, blocks within fields (e.g., along the edges or headlands), perimeter strips, and strips across the field (see diagrams below).

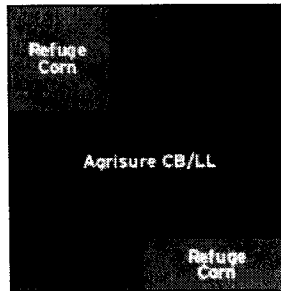
- External refuges must be planted within ½ mile.
- When planting the refuge as strips across the field or as perimeter strips, refuges must be at least 4 consecutive rows wide.
- Insecticide treatments for control of European corn borer, corn earworm, Southwestern corn borer, and other lepidopteran pests listed on the label, grower guides, or other educational material may be applied only if economic thresholds are reached for one or more of these target pests. Economic thresholds will be determined using methods recommended by local or regional professionals (e.g., Extension Service agents or crop consultants). Instructions to growers will specify that microbial *Bt* insecticides must not be applied to non-*Bt* corn and/or non-lepidopteran resistant *Bt* corn refuges.

The following are schematics of the various refuge deployment options:

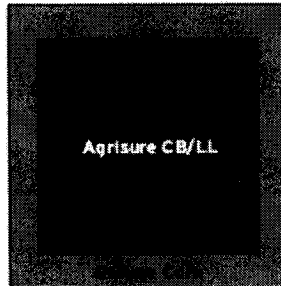
Separate Fields





Blocks



Perimeter



-  Agrisure CB/LL
-  Corn Borer Refuge

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Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 67979-13

Bt11 x MIR162 X MIR604 Corn

[Alternate brand name: *Agrisure*[™] 3100]

OECD Unique Identifier: SYN-BTØ11-1 x SYN-IR162-4 x SYN-IR6Ø4-5

**Plant-incorporated protectant:
Cry1Ab, Vip3Aa20 and mCry3A proteins for control of corn borers, other lepidopteran
pests and corn rootworms**

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

Active Ingredients:

Bacillus thuringiensis Cry1Ab delta-endotoxin protein and the genetic material necessary for its production (via elements of vector pZO1502) in *Bt11* x MIR162 x MIR604 corn (SYN-BTØ11-1).....0.0014 – 0.0017%*

Bacillus thuringiensis Vip3Aa20 insecticidal protein and the genetic material necessary for its production (via elements of vector pNOV1300) in *Bt11* x MIR162 x MIR604 corn (SYN-IR162-4).....0.0057 – 0.0088%*

Bacillus thuringiensis mCry3A protein and the genetic material necessary for its production (via elements of vector pZM26) in *Bt11* x MIR162 x MIR604 corn (SYN-IR6Ø4-5).....0.0013 – 0.0021%*

Other Ingredients:

A marker protein and the genetic material necessary for its production (via elements of vector pZO1502) in *Bt11* x MIR162 x MIR604 corn (SYN-BTØ11-1).....0.000075 – 0.000100%*

A marker protein and the genetic material necessary for its production (via elements of vectors pZM26 and pNOV1300) in *Bt11* x MIR162 x MIR604 corn (SYN-IR6Ø4-5 and SYN-IR162-4).....0.00075 – 0.00095%*

*Percent in whole plants on a dry weight basis

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EPA Establishment No. 66736-NC-01

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DIRECTIONS FOR USE

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Insects Controlled or Suppressed

Field corn has been genetically transformed to produce the insecticidal proteins, Cry1Ab, Vip3Aa20 and mCry3A, for control or suppression of the following lepidopteran and coleopteran 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*)
Western corn rootworm (*Diabrotica virgifera virgifera*)
Northern corn rootworm (*Diabrotica barberi*)
Mexican corn rootworm (*Diabrotica virgifera zea*)
Common stalk borer (*Papaipema nebris*)

Insect Resistance Management

The following information regarding commercial production of Bt11 x MIR162 x MIR604 corn must be included in the Grower Guide (or equivalent).

Refuge Requirements for Bt11 x MIR162 x MIR604 Corn

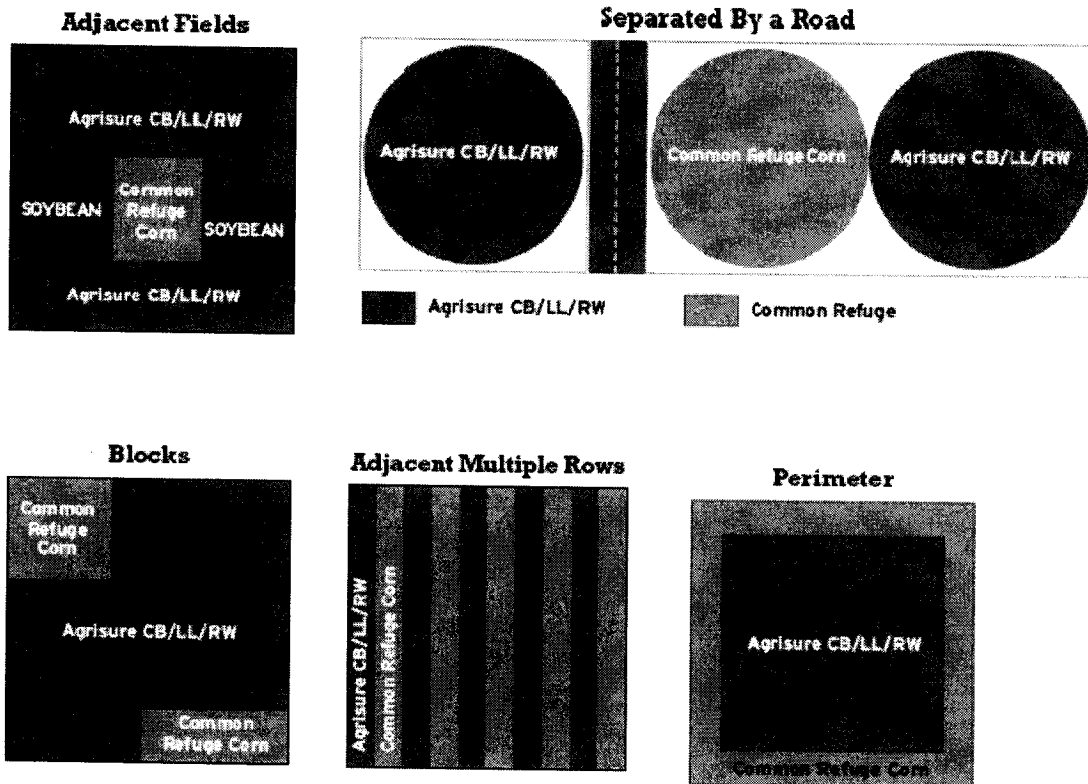
These refuge requirements do not apply to seed increase/propagation of inbred and hybrid seed corn up to a total of 20,000 acres per county and up to a combined United States (U.S.) total of 250,000 acres per plant-incorporated protectant (PIP) active ingredient per registrant per year.

Grower agreements (also known as stewardship agreements) will specify that growers must adhere to the refuge requirements as described in the grower guide/product use guide and/or in supplements to the grower guide/product use guide.

Two options for deployment of the refuge are available to growers.

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 rootworms or corn borers. The refuge area must represent at least 20% of the grower's corn acres (i.e., sum of Bt11 x MIR162 x MIR604 corn acres and refuge acres). It must be planted as a block adjacent to the Bt11 x MIR162 x MIR604 corn field, perimeter strips, or in-field strips. If perimeter or in-field strips are implemented, the strips must be at least 4 consecutive rows wide. If the common refuge is planted on rotated ground, then Bt11 x MIR162 x MIR604 corn must also be planted on rotated ground. If the common refuge is planted in continuous corn, the Bt11 x MIR162 x MIR604 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 Bt11 x MIR162 x MIR604 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 Bt11 x MIR162 x MIR604 corn acres only if treatment occurs when adult corn rootworms are not present. Pests on the Bt11 x MIR162 x MIR604 corn acres can be treated as needed without having to treat the common refuge.

The following is a schematic of common refuge deployment options:



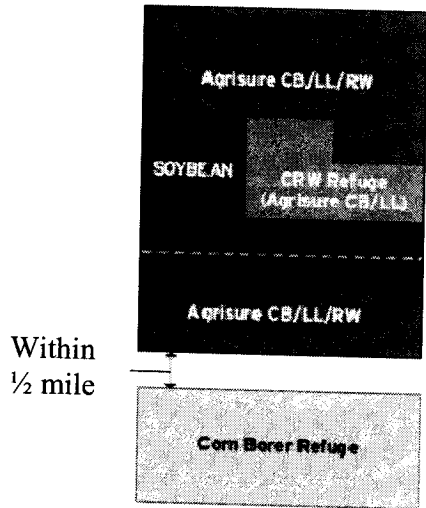
The second option is planting separate refuge areas for corn borers and corn rootworms. The corn borer refuge must be planted with a non-Bt/lepidopteran-protected hybrid, must represent at least 20% of the grower's corn acres (i.e., sum of Bt11 x MIR162 x MIR604 corn acres and corn borer refuge acres), and must be planted within ½ mile of the Bt11 x MIR162 x MIR604 corn field. 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 4 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 must be planted with a non-Bt/corn rootworm-protected hybrid, but can be planted with Bt corn hybrids that control corn borers. The corn rootworm refuge must represent at least 20% of the grower's corn acres (i.e., sum of Bt11 x MIR162 x MIR604 corn acres and corn 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 4 consecutive rows wide. If the rootworm refuge is planted on rotated ground, then Bt11 x MIR162 x MIR604 corn must also be planted on rotated ground. If the rootworm refuge is planted in continuous corn, the Bt11 x MIR162 x MIR604 corn field may be planted on either continuous or rotated land. More generally, the rootworm refuge should utilize comparable agronomic practices as the Bt11 x MIR162 x MIR604 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 Bt11 x MIR162 x MIR604 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 Bt11 x MIR162 x MIR604 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 Bt11 x MIR162 x MIR604 corn acres can be treated as needed without having to treat the rootworm refuge.

Growers who fail to comply with the IRM requirements risk losing access to Bt11 x MIR162 x MIR604 corn.

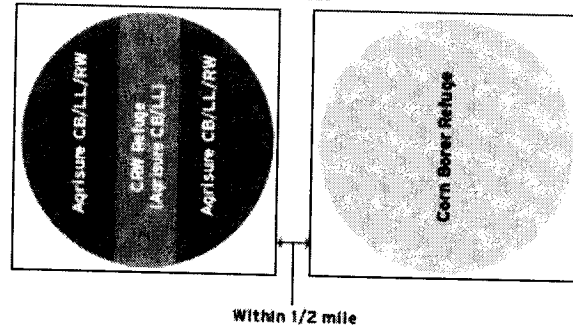
The following is a schematic of separate refuge deployment options:

Adjacent Fields

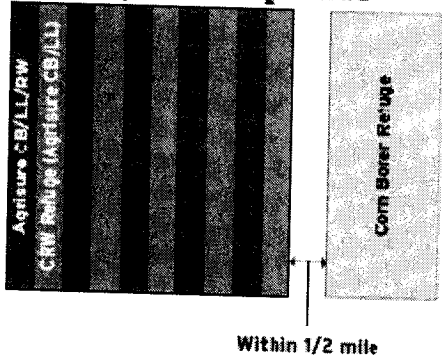





-  Agrisure CB/LL/RW
-  Corn Rootworm Refuge (Agrisure CB/LL)
-  Corn Borer Refuge

Block



Adjacent Multiple Rows



-  Agrisure CB/LL/RW
-  Corn Rootworm Refuge (Agrisure CB/LL)
-  Corn Borer Refuge

Perimeter

