

Herculex[®] RW and Herculex XTRA



| | HERCULEX [®] I Insect Protection HX | HERCULEX [®] RW Rootworm Protection HX | HERCULEX [®] XTRA Insect Protection HX |
|--|---|--|--|
| Insects | Protection | | |
| European Corn Borer | E | | E |
| Southwestern Corn Borer | E | | E |
| Fall Armyworm | E | | E |
| Black Cutworm | VG | | VG |
| Western Bean Cutworm | VG | | VG |
| Corn Earworm | G | | G |
| Western Corn Rootworm | | E | E |
| Northern Corn Rootworm | | VG | VG |
| Mexican Corn Rootworm | | E | E |
| E = Excellent VG = Very Good G = Good | | | |

Description:

Pioneer Hi-Bred International, Inc., in conjunction with Dow AgroSciences, has co-developed a transgenic solution for corn rootworm in North America. Herculex[®] RW provides protection against western, northern and Mexican corn rootworm.

Industry leading Herculex XTRA combines Herculex RW with Herculex I to provide a comprehensive package of protection against rootworm and other key pests including European and southwestern corn borer, black and western bean cutworm, fall armyworm and corn earworm.

No other trait currently on the market offers the broad spectrum of insect control that Herculex offers

Benefits:

Herculex RW offers reliable rootworm control for farmers to help preserve yield potential and minimize harvest loss due to root lodging. It's also more convenient to use than traditional insecticides and provides a safer insect control option for farmers.

Herculex XTRA combines the rootworm control of Herculex RW with Herculex 1 to provide a broad range of in-plant insect protection, helping to reduce the damage from corn borers and other above-ground caterpillars that cause stalk tunneling and ear damage.

Market Value:

Corn rootworms infest over 30 million acres in North America and cause annual losses in excess of \$1 billion. A significant portion of these acres are also at risk of infestation by corn borers, cutworms, fall armyworms and other pests that cause an additional \$1 billion in losses each year, if not properly managed.

Timeline:

Pioneer has received full regulatory approval for both Herculex RW and Herculex XTRA in the U.S. and Canada. These products are now all available commercially in both countries. We are also aggressively seeking import approval from Japan and other key countries.



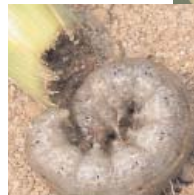
With Proprietary Trait Without Proprietary Trait



Fall armyworm



Ear damage from northern corn rootworm



Black cutworm



Western corn rootworm

Herculex Insect Protection technologies by Dow AgroSciences and Pioneer Hi-Bred.
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