



See all events of crop:

Maize (*Zea mays L.*)

See all events developed by:

Dow AgroSciences LLC and DuPont  
(Pioneer Hi-Bred International Inc.)

See all events with trait introduction  
method:

Microparticle bombardment of plant  
cells or tissue

See all events with commercial trait:

Herbicide Tolerance

Insect Resistance

See all events with GM trait:

Glufosinate herbicide tolerance

Lepidopteran insect resistance

See all events with gene:

cry1Fa2

pat

Lists

Crops List

Events List

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Commercial Traits List

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Countries List

Methods of Trait Introduction

## Event Name: TC1507

Event Code : DAS-Ø15Ø7-1

Trade Name: Herculex™ I, Herculex™ CB

Crop: [Zea mays L. - Maize, Corn](#)

### Basic Information

### Authorizations

### Documents and Links

#### Developer:

[Dow AgroSciences LLC and DuPont \(Pioneer Hi-Bred International Inc.\)](#)

#### Method of Trait Introduction:

[Microparticle bombardment of plant cells or tissue](#)

#### GM Trait s :

[Glufosinate herbicide tolerance](#) , [Lepidopteran insect resistance](#)

#### Commercial Trait:

(Stacked) [Herbicide Tolerance](#) + [Insect Resistance](#)

#### Summary of Basic Genetic Modification

Gene Introduced	Gene Source	Product	Function
<a href="#">cry1Fa2</a>	synthetic form of cry1F gene derived from <i>Bacillus thuringiensis</i> var. aizawai	modified Cry1F protein	confers resistance to lepidopteran insects by selectively damaging their midgut lining
<a href="#">pat</a>	<i>Streptomyces viridochromogenes</i>	phosphinothricin N-acetyltransferase (PAT) enzyme	eliminates herbicidal activity of glufosinate (phosphinothricin) herbicides by acetylation

