

## MON863 x MON810

MON863 x MON810 maize is a product of the Monsanto company. It combines a coleopteran-specific insect resistance with a lepidopteran specific insect resistance.

MON863 x MON810 maize is commercially grown in the USA and in Canada. In addition, the stacked maize line can be imported in several other countries, including the EU.

In the EU, feed materials produced from MON863 x MON810 maize can be imported since 2003. In 2010, the EU Commission also authorised the import of food and feed products containing, consisting of, or produced from MON863 x MON810 maize

MON863 x MON810 was obtained by conventional crossing of maize events [MON863](#) [1] and [MON810](#) [2]. The genetic modification encompasses three genes derived from bacterial sources:

- a cry3Bb1 gene from *Bacillus thuringiensis* ssp. *kumamotoensis*. The gene was inserted in MON863 and encodes a Coleopteran-specific insecticidal protein;
- a nptII gene. The gene was inserted in MON863 and is an antibiotic resistance marker gene encoding the enzyme neomycin phosphotransferase II;
- a truncated cry1Ab gene from *Bacillus thuringiensis*. The gene was inserted in MON810 and encodes a Coleopteran-specific insecticidal protein;

**Related events:** [MON863](#) [3]

[Event MON810](#) [4]

**authorization status:** none

import

processing

feed materials/additives

food materials/additives

feed

food

cultivation

**link to EU authorization:** [EU authorization status](#) [5]

**subject to withdrawal and/or bans:** none

## Genes:

- [cry1Ab](#) [6]
- [cry3Bb1](#) [7]
- [nptII](#) [8]

## GM Event:

- [MON863 x MON810](#) [9]

## Traits:

- [HT - glufosinat](#) [10]
- [HT - glyphosate](#) [11]
- [IR - coleoptera](#) [12]

- [IR - lepidoptera](#) [13]
- [composition - starch](#) [14]
- [composition - fatty acid](#) [15]
- [\(male\) sterility / fertility restoration](#) [16]
- [antibiotic resistance](#) [17]

[Friends of the Earth \(2006\): Comments on MON863 hybrids](#) [18]

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**Source URL:** <https://www.testbiotech.org/en/content/mon863-x-mon810>

### Links

[1] <https://www.testbiotech.org/en/node/12> [2] <https://www.testbiotech.org/en/node/26> [3] <https://www.testbiotech.org/en/content/mon863> [4] <https://www.testbiotech.org/en/content/event-mon810> [5] [http://ec.europa.eu/food/dyna/gm\\_register/gm\\_register\\_auth.cfm?pr\\_id=14](http://ec.europa.eu/food/dyna/gm_register/gm_register_auth.cfm?pr_id=14) [6] <https://www.testbiotech.org/en/taxonomy/term/57> [7] <https://www.testbiotech.org/en/taxonomy/term/58> [8] <https://www.testbiotech.org/en/taxonomy/term/208> [9] <https://www.testbiotech.org/en/taxonomy/term/216> [10] <https://www.testbiotech.org/en/taxonomy/term/43> [11] <https://www.testbiotech.org/en/taxonomy/term/44> [12] <https://www.testbiotech.org/en/taxonomy/term/45> [13] <https://www.testbiotech.org/en/taxonomy/term/46> [14] <https://www.testbiotech.org/en/taxonomy/term/47> [15] <https://www.testbiotech.org/en/taxonomy/term/194> [16] <https://www.testbiotech.org/en/taxonomy/term/201> [17] <https://www.testbiotech.org/en/taxonomy/term/203> [18] <http://www.foeeurope.org/GMOs/pending/monsanto.pdf>