

BE Canola Crop Summary

BE Canola Events in the Food Supply

BE Event	Trait	Producing Countries	Comments	FDA Review
HCN92	Herbicide Tolerance	Australia, Canada, United States	Trade Name: Liberty Link™ Innovator™	BNF-023
23	High Laurate	Australia, Canada, United States	Trade Name: Laurical™	BNF-025
GT73	Herbicide Tolerance	Australia, Canada, United States	Trade Name: Roundup Ready™	BNF-020
MS1	Pollination Control	Australia, Canada, United States	Trade Name: InVigor™	BNF-032
RF2	Pollination Control	Australia, Canada, United States	Trade Name: InVigor™	BNF-032
RF1	Pollination Control	Australia, Canada, United States	Trade Name: InVigor™	BNF-032
T45	Herbicide Tolerance	Australia, Canada, United States	Trade Name: InVigor™	BNF-046
RF3	Pollination Control	Australia, Canada, United States	not commercialized	BNF-057
MS8	Pollination Control	Australia, Canada, United States	not commercialized	BNF-057
MPS961	Reduced Phytate	none	not commercialized	BNF-052
MPS962	Reduced Phytate	none	not commercialized	BNF-052
MPS963	Reduced Phytate	United States	not commercialized	BNF-052
MPS964	Reduced Phytate	None	not commercialized	BNF-052
MPS965	Reduced Phytate	none	not commercialized	BNF-052
OXY-235	Herbicide Tolerance	Canada	not commercialized	BNF-064
GT200	Herbicide Tolerance	Canada, United States	Trade Name: Roundup Ready™	BNF-077
MON 88302	Herbicide Tolerance	Australia, Canada, United States	Trade name: TruFlex™ Roundup Ready™	BNF-127

BE Event	Trait	Producing Countries	Comments	FDA Review
73496	Herbicide Tolerance	Australia, Canada, United States	not commercialized	BNF-129
MS11	Herbicide Tolerance and Male Sterility	Canada, United States		BNF-157

BE Canola Production

BE canola is commercially produced in three countries: Australia, Canada and the United States. Canola from these three countries should be presumed to be BE canola.

In 2017, 30% of all global canola production was BE canola (Statistica, 2018). Note that in the ISAAA database, canola is listed in two separate categories: Argentine and Polish. These are historic terms that refer to *Brassica napus* and *B. rapa*, respectively. No *B. rapa* BE canola has ever been commercialized.

BE Canola Food Safety Reviews

Since 1995, the FDA has completed 12 biotechnology consultations for 19 BE canola events (FDA, 2018). All of the BE canola events in the table above were reviewed by the FDA.

Health Canada has conducted food safety reviews for most of these same events. Additionally, many countries that import canola seed, canola oil or canola meal have conducted BE canola food safety reviews. For example, in addition to the United States and Canada, food safety reviews of BE canola event GT73 have been conducted by Australia, China, the European Union, Japan, Mexico, New Zealand, the Philippines, Singapore, South Korea and Taiwan (ISAAA, 2017).

References

FDA (2018) Biotechnology Consultations on Food from GE Plant Varieties

<https://www.accessdata.fda.gov/scripts/fdcc/?set=Biocon>

ISAAA (2017) Global Status of Commercialized Biotech-GM Crops – 2017

Statistica (2018)