

BE Apple Crop Summary

BE Apple Events in the Food Supply

BE Event	Trait	Producing Countries	Comments	FDA Review
GD743	non-browning	Canada, United States	Trade name: Arctic™ Golden Delicious	BNF-132
GS784	non-browning	Canada, United States	Trade name: Arctic™ Granny Smith	BNF-132
NF872	non-browning	Canada, United States	Trade name: Arctic™ Fuji	NO

BE Apple Production

BE apples are in commercial production only in the United States. BE apples have also been approved for commercial production in Canada, but no trees have been planted yet. The first BE apple trees were planted in 2015 and current production is relatively minor. As of October 2017, Okanagan Specialty Fruits had planted 250 acres of BE apples, and expected to reach 1400 acres by 2019 (MIT Technology review, 2017). BE apple versions have been developed for three apple cultivars: Golden Delicious, Granny Smith and Fuji. All other apple cultivars may be presumed not to be BE apples.

BE Apple Food Safety Reviews

An FDA biotechnology consultation has been completed for Arctic™ Golden Delicious and Arctic™ Granny Smith in the United States (FDA, 2018) and a food safety review by Health Canada in Canada (Health Canada, 2015). Health Canada has also completed the food safety review for Arctic™ Fuji (Health Canada, 2018); however, the FDA biotechnology consultation for Arctic™ Fuji has not yet been completed.

References

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

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

Health Canada (2015) Novel Food Information – Arctic Apple Events GD743 and GS784

Health Canada (2018) Novel Food Information Arctic Fuji Apple Event NF872

MIT Technology Review (2017) GM Apples That Don't Brown to Reach U.S. Shelves This Fall.