BE Apple Crop Summary

**BE Apple Events in the Food Supply**

<table>
<thead>
<tr>
<th>BE Event</th>
<th>Trait</th>
<th>Producing Countries</th>
<th>Comments</th>
<th>FDA Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>GD743</td>
<td>non-browning</td>
<td>Canada, United States</td>
<td>Trade name: Arctic™ Golden Delicious</td>
<td>BNF-132</td>
</tr>
<tr>
<td>GS784</td>
<td>non-browning</td>
<td>Canada, United States</td>
<td>Trade name: Arctic™ Granny Smith</td>
<td>BNF-132</td>
</tr>
<tr>
<td>NF872</td>
<td>non-browning</td>
<td>Canada, United States</td>
<td>Trade name: Arctic™ Fuji</td>
<td>BNF-154</td>
</tr>
</tbody>
</table>

**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](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.