

## BE Potato Crop Summary

### BE Potato Events in the Food Supply

<b>BE Event</b>	<b>Trait</b>	<b>Producing Countries</b>	<b>Comments</b>	<b>FDA Review</b>
X17	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade name: Innate® Acclimate	<a href="#">BNF-153</a>
Y9	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade name: Innate® Hibernate	<a href="#">BNF-153</a>
V11	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	United States	Trade name: Innate® Invigorate	<a href="#">BNF-152</a>
W8	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade name: Innate®	<a href="#">BNF-146</a>
F10	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade Name: Innate® Generate	<a href="#">BNF-141</a>
E12	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade Name: Innate® Cultivate	<a href="#">BNF-141</a>

J3	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States	Trade Name: Innate® Accelerate	<a href="#">BNF-141</a>
J55	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	Canada, United States		<a href="#">BNF-141</a>
G11	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	United States		<a href="#">BNF-141</a>
H50	Reduced Black Spot Bruising, Reduced Levels of Free Asparagine and Reducing Sugars	United States		<a href="#">BNF-141</a>
RBMT21-350	Virus Resistant	Canada, United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT21-129	Virus Resistant	Canada, United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT22-082	Virus Resistant	Canada, United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT21-152	Virus Resistant	United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT22-238	Virus Resistant	United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT22-186	Virus Resistant	United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>

RBMT22-262	Virus Resistant	United States	Trade Name: New Leaf™ Plus Russet Burbank	<a href="#">BNF-048</a>
RBMT15-101	Virus Resistant	Canada, United States	Trade Name: New Leaf™ Y Russet Burbank	<a href="#">BNF-049</a>
SEMT15-15	Virus Resistant	Canada, United States	Trade Name: Shepody NewLeaf™ Y	<a href="#">BNF-049</a>
SEMT15-02	Virus Resistant	Canada, United States	Trade Name: Shepody NewLeaf™ Y	<a href="#">BNF-049</a>
SEMT15-07	Virus Resistant	United States	Trade Name: Shepody NewLeaf™ Y	<a href="#">BNF-049</a>
HLMT15-3	Virus Resistant	United States	Trade Name: Hi-Lite NewLeaf™ Y	<a href="#">BNF-049</a>
HLMT15-15	Virus Resistant	United States	Trade Name: Hi-Lite NewLeaf™ Y	<a href="#">BNF-049</a>
HLMT15-46	Virus Resistant	United States	Trade Name: Hi-Lite NewLeaf™ Y	<a href="#">BNF-049</a>
ATBT04-31	Insect Resistance	Canada, United States	Trade Name: Atlantic NewLeaf™	<a href="#">BNF-033</a>
ATBT04-36	Insect Resistance	Canada, United States	Trade Name: Atlantic NewLeaf™	<a href="#">BNF-033</a>
ATBT04-6	Insect Resistance	Canada, United States	Trade Name: Atlantic NewLeaf™	<a href="#">BNF-033</a>
SPBT02-5	Insect Resistance	United States	Trade Name: Superior NewLeaf™	<a href="#">BNF-033</a>
ATBT04-30	Insect Resistance	Canada, United States	Trade Name: Atlantic NewLeaf™	<a href="#">BNF-033</a>
SPBT02-7	Insect Resistance	United States	Trade Name: Superior NewLeaf™	<a href="#">BNF-033</a>
BT16	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>
BT10	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>
BT17	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>

BT12	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>
BT23	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>
BT06	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>
BT18	Insect Resistance	Canada, United States	Trade Name: New Leaf™ Russet Burbank	<a href="#">BNF-005</a>

### BE Potato Production

BE potatoes are in commercial production in the United States and Canada. Current production is relatively minor; ISAAA (2017) estimated 3000 ha of BE potato production in the United States in 2017. BE potato versions have been developed for three potato cultivars: Atlantic, Ranger Russet and Russet Burbank. All other potato cultivars may be presumed to be non-BE potatoes.

Some fresh market BE potatoes are sold under the trade name White Russet™.

### BE Potato Food Safety Reviews

Between 1995 and 2017, the FDA completed 9 biotechnology consultations for 38 BE potato events (FDA, 2018). Of these, 27 events were reviewed in the 1990's and none of these remain in commercial production at this time. Since 2014, FDA has reviewed 11 new BE potato events; some of these are currently in the market.

Food safety reviews for events E12, F10, and J3 have also been conducted by Australia, Canada, Mexico and New Zealand (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