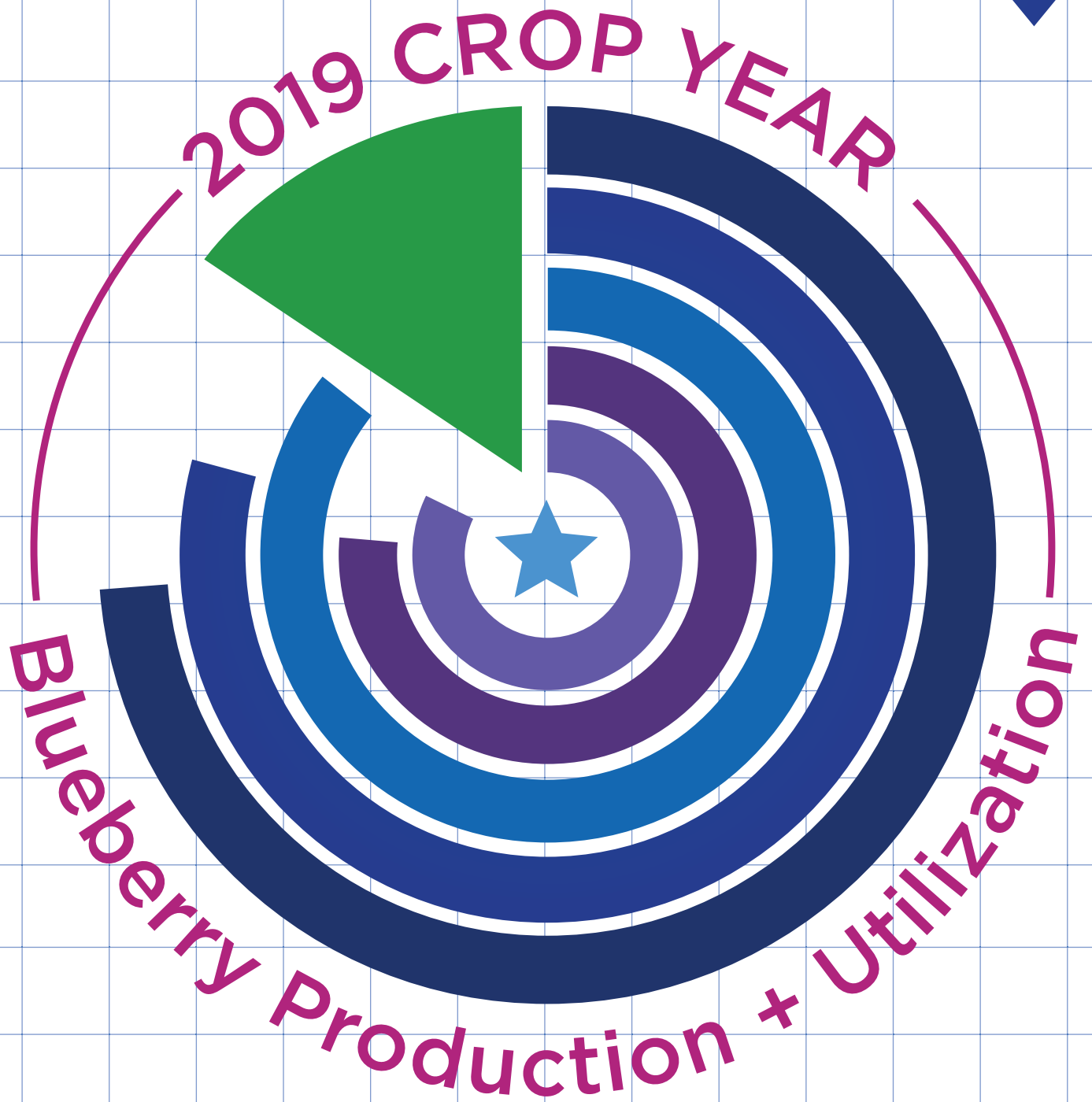


THE STAT BOOK



Prepared in 2020 by the
North American Blueberry Council

2019 BLUEBERRY STATISTICAL RECORD

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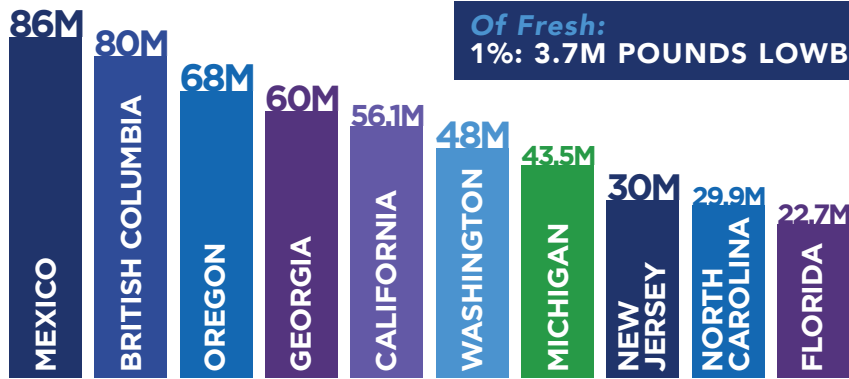
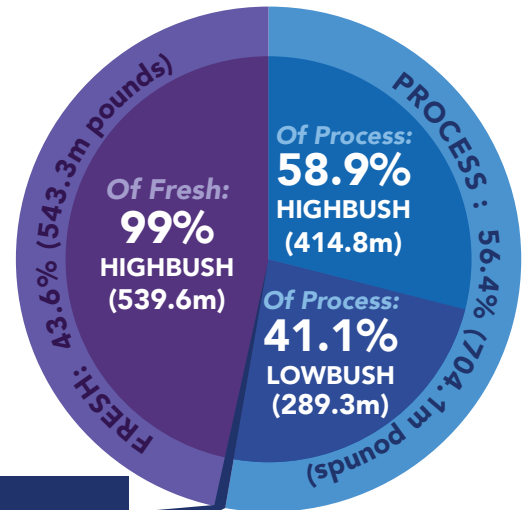
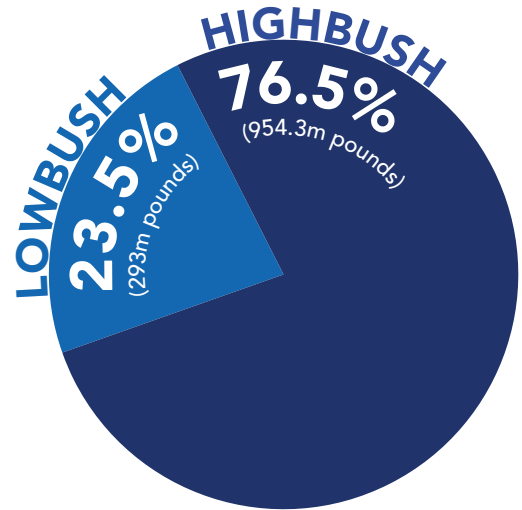
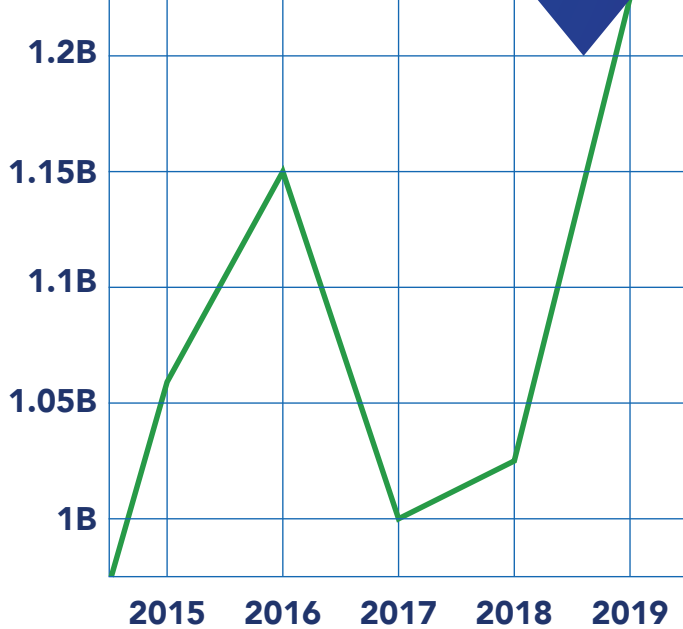
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PRODUCTION

PAGES 1, 3, 7, 9, 11

TOTAL NORTH AMERICAN BLUEBERRY PRODUCTION 2019:

1.25B pounds, up 22.7% from 2018 (1.02B pounds)



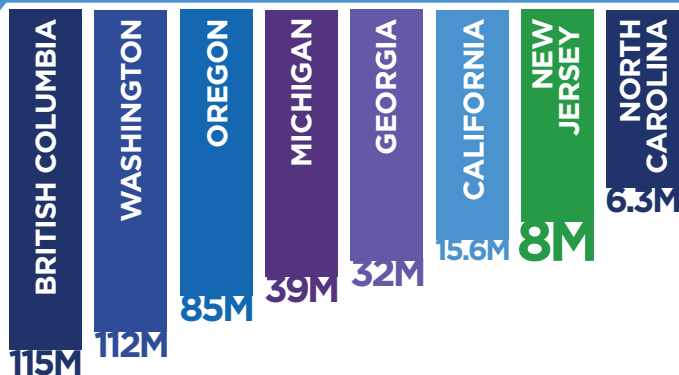
Of Fresh:
1%: 3.7M POUNDS LOWBUSH

TOP FRESH HIGHBUSH BLUEBERRY SUPPLIERS (NORTH AMERICA) 2019

PAGE 1

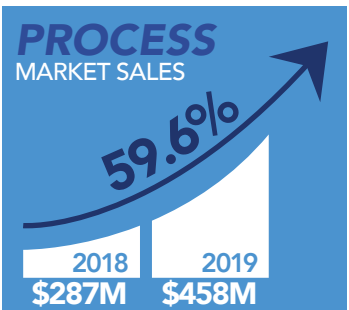
TOP PROCESS HIGHBUSH BLUEBERRY SUPPLIERS (NORTH AMERICA) 2019

PAGE 1



TOTAL FARMGATE VALUE

\$1.32B



SALES

PAGES 9, 11, 17

EXPORTS

TOTAL OFFSHORE EXPORTS OF NORTH AMERICAN BLUEBERRIES

PAGE 28

2018

**163.2M
POUNDS**



**159.7M
POUNDS**

2019

13% of Total Production
A 3% decrease from 2018

**10-YEAR
ANNUAL PRODUCTION
AVERAGE**

13%

TOP 5 OFFSHORE EXPORT MARKETS FOR U.S.

PAGE 18A **FRESH FROZEN** PAGE 18B

CANADA (74.2M POUNDS)	CANADA (35.2M POUNDS)
SOUTH KOREA (1.8M POUNDS)	SOUTH KOREA (5.9M POUNDS)
NETHERLANDS (1.2M POUNDS)	JAPAN (4.8M POUNDS)
UNITED KINGDOM (654K POUNDS)	AUSTRALIA (3.9M POUNDS)
JAPAN (548K POUNDS)	NETHERLANDS (1.1M POUNDS)

CONSUMPTION

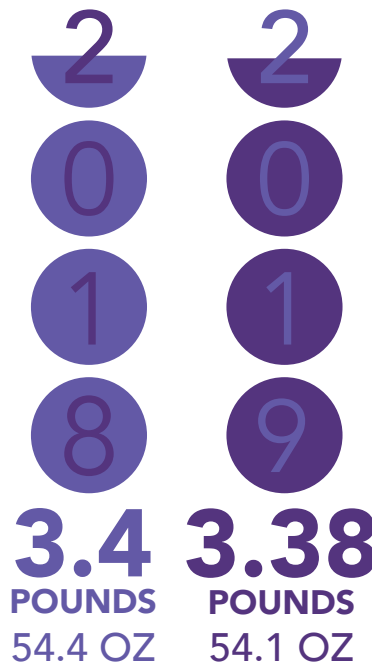
PAGES 30, 32

Total Consumption in North America **2019**
1.243B POUNDS



Total Consumption in North America **2018**
1.241B POUNDS

TOTAL PER CAPITA CONSUMPTION IN NORTH AMERICA (U.S. + CANADA)



**78.7%
FRESH**
2.66 POUNDS
42.6 OZ

**21.3%
PROCESS**
.72 POUNDS
11.6 OZ

2019
NORTH AMERICAN BLUEBERRY PRODUCTION
(Millions of Pounds)

<u>Highbush</u>	<u>Fresh</u>	<u>Process</u>	<u>Total</u>
<i>Western Region</i>			
British Columbia	80.00	115.00	195.00
California	56.10	15.60	71.70
Oregon	68.00	85.00	153.00
Washington	48.00	112.00	160.00
Mexico	86.00	1.50	87.50
Others 1/	0.65	-	0.65
Sub-Total	338.75	329.10	667.85
<i>Midwest Region</i>			
Illinois*	1.40	-	1.40
Indiana	3.20	0.30	3.50
Michigan	43.50	39.00	82.50
Others 2/	0.70	-	0.70
Sub-Total	48.80	39.30	88.10
<i>Northeast Region</i>			
New Jersey	30.00	8.00	38.00
New York	0.40	-	0.40
Ontario	2.00	-	2.00
Others 3/	0.30	-	0.30
Sub-Total	32.70	8.00	40.70
<i>Southern Region</i>			
Alabama*	0.06	-	0.06
Arkansas*	0.05	-	0.05
Florida	22.70	-	22.70
Georgia	60.00	32.00	92.00
Louisiana	0.40	-	0.40
Mississippi	1.00	0.10	1.10
North Carolina	29.90	6.30	36.20
Texas	4.00	-	4.00
Others 4/	1.20	-	1.20
Sub-Total	119.31	38.40	157.71
HIGHBUSH TOTAL:	539.56	414.80	954.36
	<u>Fresh</u>	<u>Process</u>	<u>Total</u>
<u>Lowbush:</u>			
Maine	1.35	85.65	87.00
New Brunswick	-	68.00	68.00
Newfoundland	-	-	-
Nova Scotia	-	40.00	40.00
Prince Edward Island	-	18.00	18.00
Quebec	2.36	77.64	80.00
LOWBUSH TOTAL:	3.72	289.28	293.00
GRAND TOTAL:	543.28	704.08	1,247.36

Others:

1/ Colorado

2/ Kentucky, Minnesota, Missouri, Ohio, Wisconsin

3/ Connecticut, Maine, Maryland, Massachusetts, New Hampshire, Pennsylvania, Rhode Island, Vermont, West Virginia

4/ Oklahoma, South Carolina, Tennessee

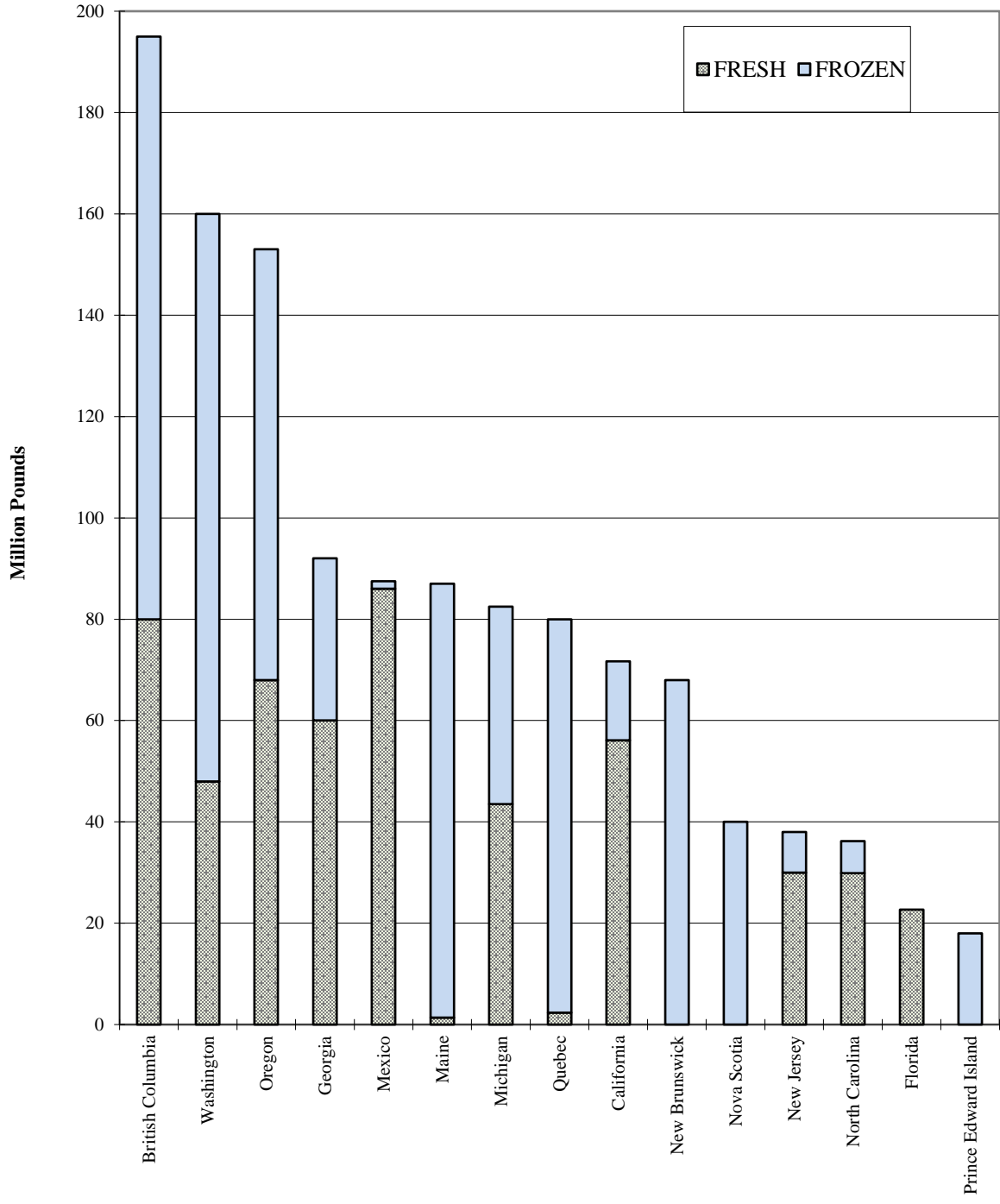
SOURCE:

HIGHBUSH - US, BC, Mexico and Ontario (except Alabama/Arkansas/Illinois/New York) = NABC Area Reps

LOWBUSH - Maine = NABC Area Reps

* Data from USHBC Collections

**2019
TOP 15 NORTH AMERICAN BLUEBERRY PRODUCTION REGIONS**



NORTH AMERICAN ANNUAL BLUEBERRY PRODUCTION
2015-2019
(000 Pounds)

Highbush		2015	2016	2017	2018	2019
REGION:						
WESTERN REGION	BRITISH COLUMBIA	180,790	164,000	135,606	155,000	195,000
	CALIFORNIA	63,900	60,500	63,030	63,400	71,700
	OREGON	96,900	117,000	110,780	134,000	153,000
	WASHINGTON	103,950	120,000	117,380	130,000	160,000
	MEXICO	27,000	37,700	54,000	76,000	87,500
	*OTHERS 1/	0	0	0	0	650
	SUB TOTAL	472,540	499,200	480,796	558,400	667,850
MIDWEST REGION	ILLINOIS	1,400	1,600	1,600	1,000	1,400
	INDIANA	1,600	1,600	1,300	1,300	3,500
	MICHIGAN	73,100	110,300	102,000	69,500	82,500
	*OTHERS 2/	400	1,000	700	500	700
	SUB TOTAL	76,500	114,500	105,600	72,300	88,100
NORTHEAST REGION	NEW JERSEY	53,400	44,120	44,300	38,000	38,000
	NEW YORK	1,720	1,390	1,000	1,000	400
	ONTARIO	1,588	2,000	2,000	2,000	2,000
	*OTHERS 3/	400	100	200	500	300
	SUB TOTAL	57,108	47,610	47,500	41,500	40,700
SOUTHERN REGION	ALABAMA	500	300	200	200	60
	ARKANSAS	520	100	100	100	50
	FLORIDA	24,800	14,700	20,070	19,800	22,700
	GEORGIA	85,000	70,800	32,910	50,000	92,000
	LOUISIANA	1,000	1,000	500	500	400
	MISSISSIPPI	5,800	8,200	3,870	5,000	1,100
	NORTH CAROLINA	49,500	46,600	25,700	33,000	36,200
	TEXAS	1,000	300	1,500	2,100	4,000
	*OTHERS 4/	900	1,300	1,000	1,200	1,200
	SUB TOTAL	169,020	143,300	85,850	111,900	157,710
	Highbush TOTAL	775,168	804,610	719,746	784,100	954,360
LOWBUSH	MAINE	100,500	101,640	67,650	50,000	87,000
	NEWFOUNDLAND	17,543	26,972	23,498	18,700	0
	NEW BRUNSWICK	66,810	34,318	50,956	22,000	68,000
	NOVA SCOTIA	0	0	230	0	40,000
	PRINCE EDWARD ISLAND	52,254	121,900	80,702	87,700	18,000
	QUEBEC	82,390	82,356	53,278	53,500	80,000
	LOWBUSH TOTAL	319,497	367,186	276,314	231,900	293,000
	GRAND TOTAL	1,094,665	1,171,796	996,060	1,016,000	1,247,360

Highbush blueberry production in 2019 is 21.7% greater than the total for 2018.

Lowbush blueberry production in 2019 is 26.3% greater than the total for 2018.

Total blueberry production in 2019 is 22.8% greater than the total for 2018.

The 5 year average of total production from 2015 to 2019 is 1,105,176 pounds.

*Includes: 1/=Colorado, 2/=Kentucky, Minnesota, Missouri, Ohio, Wisconsin, 3/=Connecticut, Delaware, Massachusetts, Maine, Maryland, New Hampshire, Pennsylvania, Rhode Island, Vermont, West Virginia, 4/=Oklahoma, South Carolina, Tennessee.

Source:

2019 see page #1

Numbers revised per USDA/NASS June and Stats Canada

Highbush = USDA/NASS; NABC Estimates; Statistics Canada; NABC for Illinois, Louisiana, Texas,

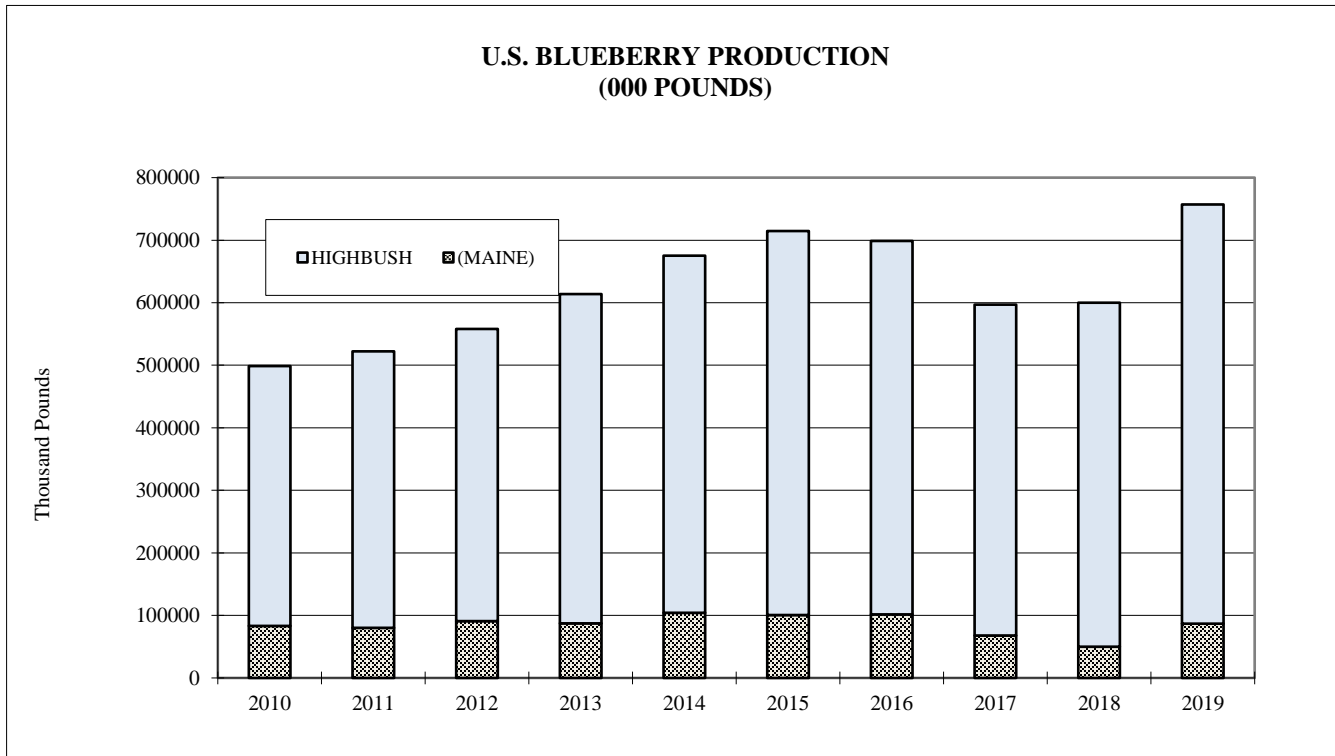
Mexico Lowbush Canadian = Statistics Canada

Lowbush Maine = USDA/NASS

**UNITED STATES BLUEBERRY PRODUCTION
2010 -2019
(000 Pounds)**

YEAR	MICHIGAN/ INDIANA	NEW JERSEY	MAINE	NORTH CAROLINA	WASHINGTON/ OREGON/ CALIFORNIA	SOUTHERN STATES & OTHERS *	TOTAL
2010	112,600	49,000	83,000	39,050	124,600	90,680	498,930
2011	73,600	62,000	79,900	36,200	168,600	101,700	522,000
2012	88,500	51,500	91,100	40,000	182,900	103,900	557,900
2013	117,200	47,940	87,130	40,000	222,500	99,050	613,820
2014	101,000	55,000	104,400	48,800	239,400	126,410	675,010
2015	74,700	53,400	100,500	49,500	264,750	171,940	714,790
2016	111,900	44,120	101,840	46,600	297,500	96,990	698,950
2017	103,300	44,300	67,650	25,700	291,190	64,780	596,920
2018	70,800	38,000	50,000	33,000	327,400	80,770	599,970
2019	86,000	38,000	87,000	36,200	384,700	124,960	756,860
TEN YEAR AVERAGE 2010 - 2019							
	93,960	48,326	85,252	39,505	250,354	106,118	605,686
MOST RECENT THREE YEAR AVERAGE 2017 - 2019							
	86,700	40,100	68,217	31,633	334,430	90,170	651,250

* Also includes: Georgia, Arkansas, Florida, Alabama, Mississippi, Louisiana, New York, Connecticut, Delaware, Illinois, Kentucky, Massachusetts, Maryland, Minnesota, Missouri, New Hampshire, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Wisconsin, West Virginia.



Numbers revised per USDA/NASS

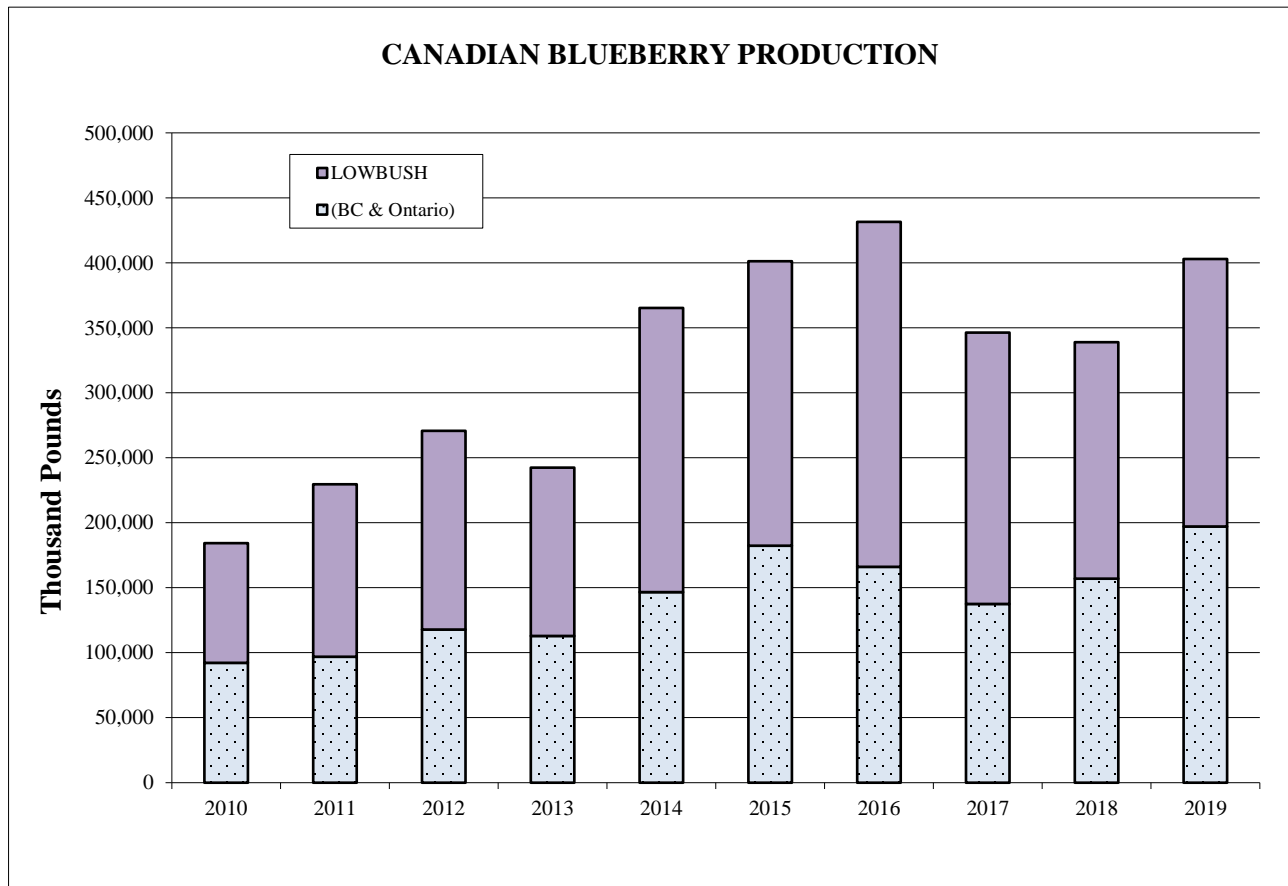
Source: Page #3.

CANADIAN BLUEBERRY PRODUCTION

2010 - 2019
(000 Pounds)

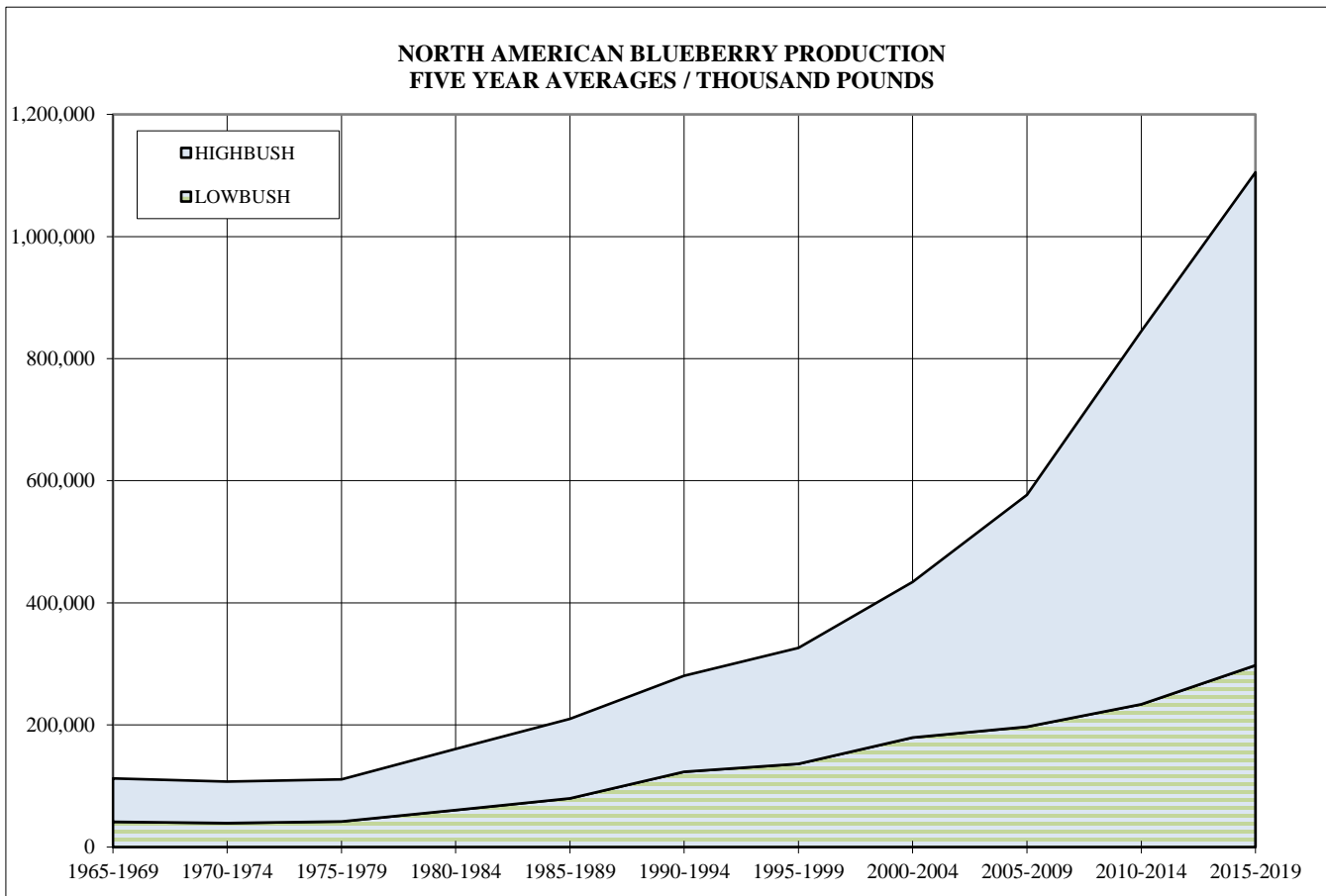
<u>YEAR</u>	<u>NEW- FOUNDLAND</u>	<u>P.E.I.</u>	<u>NOVA SCOTIA</u>	<u>NEW BRUNS.</u>	<u>QUEBEC</u>	<u>ONTARIO</u>	<u>B.C.</u>	<u>TOTAL</u>
2010	224	12,428	32,790	32,580	13,898	2,280	90,000	184,200
2011	214	13,338	29,424	27,582	62,058	1,914	95,000	229,530
2012	1,000	11,400	40,000	45,000	55,600	1,900	115,900	270,800
2013	-	13,300	41,400	42,610	32,200	2,000	110,842	242,352
2014	1,000	22,090	63,474	58,890	73,218	2,200	144,336	365,208
2015	-	17,453	66,810	82,390	52,254	1,588	180,790	401,285
2016	-	26,972	34,318	82,356	121,900	2,000	164,000	431,546
2017	230	23,498	50,956	53,278	80,702	2,000	135,606	346,270
2018	-	18,700	22,000	53,500	87,700	2,000	155,000	338,900
2019	-	18,000	40,000	68,000	80,000	2,000	195,000	403,000
TEN YEAR AVERAGE 2010 - 2019								
	267	17,718	42,117	54,619	65,953	1,988	138,647	321,309

MOST RECENT THREE YEAR AVERAGE 2017 - 2019								
	77	20,066	37,652	58,259	82,801	2,000	161,869	362,723



**NORTH AMERICAN BLUEBERRY PRODUCTION
5 YEAR AVERAGES (1970-2019)
(000 Pounds)**

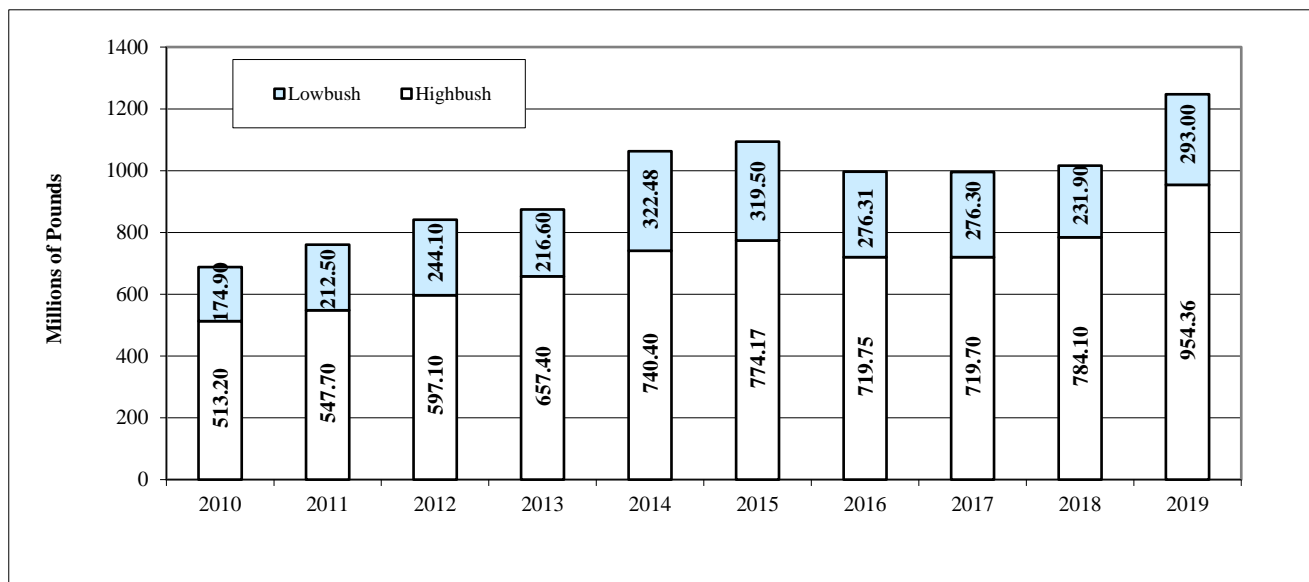
<u>YEARS</u>	<u>LOWBUSH</u>	<u>HIGHBUSH</u>	<u>TOTAL</u>
1965-1969	41,299	71,169	112,468
1970-1974	39,309	68,091	107,400
1975-1979	41,815	68,981	110,796
1980-1984	60,816	100,059	160,875
1985-1989	80,037	130,083	210,120
1990-1994	123,606	157,003	280,609
1995-1999	136,149	190,090	326,239
2000-2004	179,291	254,739	434,030
2005-2009	197,288	379,677	576,965
2010-2014	234,132	611,192	845,324
2015-2019	297,579	807,597	1,105,176



From 1965 to 2014 Average Total Production has increased more than seven fold. Nearly 10 fold including 5 year average of most recent years through 2019. The five year production average for 2010 to 2014 is +47% above the previous five year average (2005 to 2009).

NORTH AMERICAN BLUEBERRY PRODUCTION 2010-2019 (Millions of Pounds)

	<u>Highbush</u>	<u>Lowbush</u>	<u>Total</u>
2010	513.20	174.90	688.10
2011	547.70	212.50	760.20
2012	597.10	244.10	841.20
2013	657.40	216.60	874.00
2014	740.40	322.48	1,062.88
2015	774.17	319.50	1,093.67
2016	719.75	276.31	996.06
2017	719.70	276.30	996.00
2018	784.10	231.90	1,016.00
2019	954.36	293.00	1,247.36

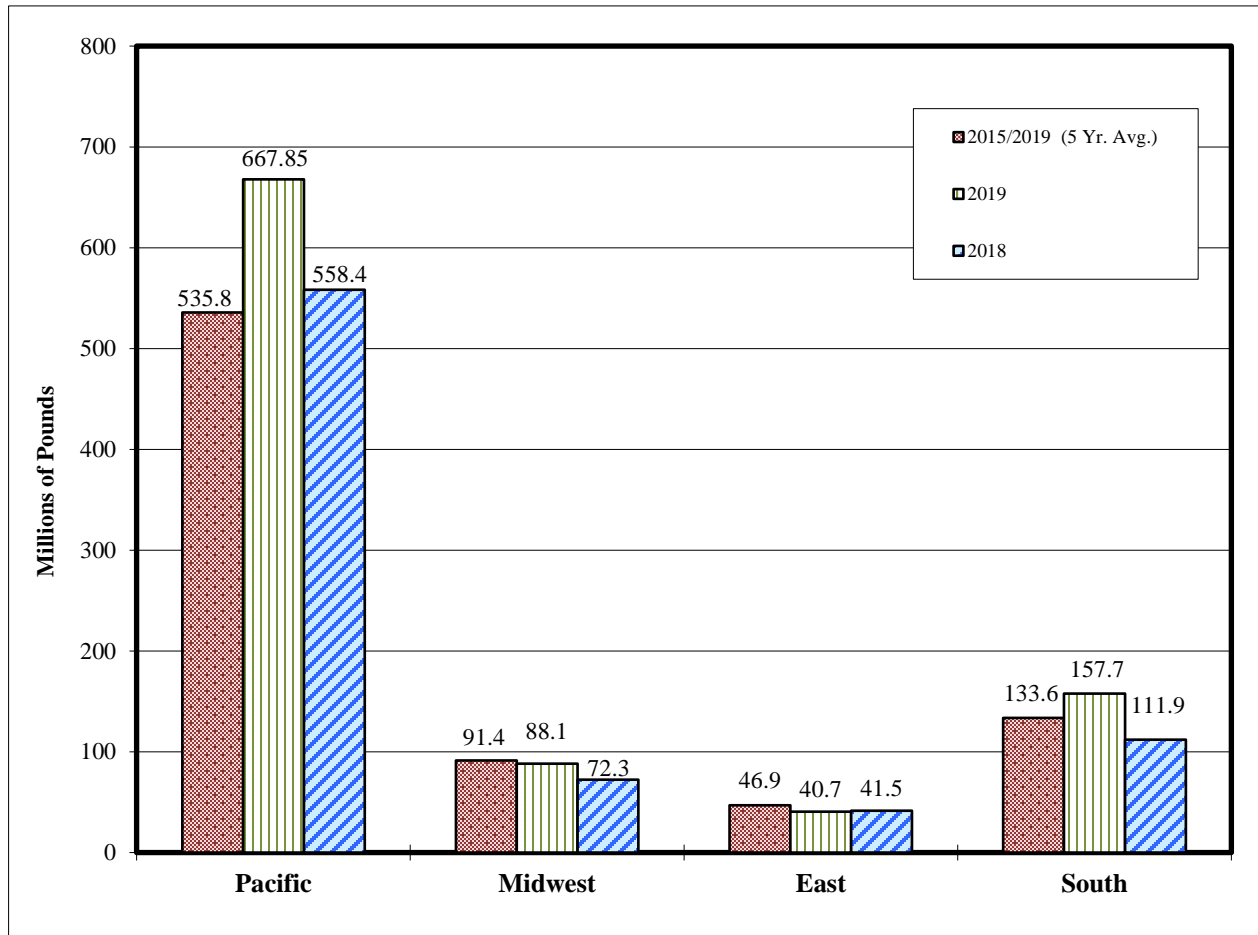


Production Percentages Over Last 5 Years

- 2015 Highbush total production 774,168,000 pounds = 70.8%
- Lowbush total production 319,497,000 pounds = 29.2%
- 2016 Highbush total production 719,746,000 pounds = 72.3%
- Lowbush total production 276,314,000 pounds = 27.7%
- 2017 Highbush total production 719,700,000 pounds = 72.3%
- Lowbush total production 276,300,000 pounds = 27.7%
- 2018 Highbush total production 784,100,000 pounds = 77.2%
- Lowbush total production 231,900,000 pounds = 22.8%
- 2019 Highbush total production 954,360,000 pounds = 76.5%
- Lowbush total production 293,000,000 pounds = 23.5%

After 2010 Started including Mexico data.
Numbers revised per USDA/NASS and Stats Canada - annually in June.

Highbush Blueberry Production by Region (Millions of Pounds)



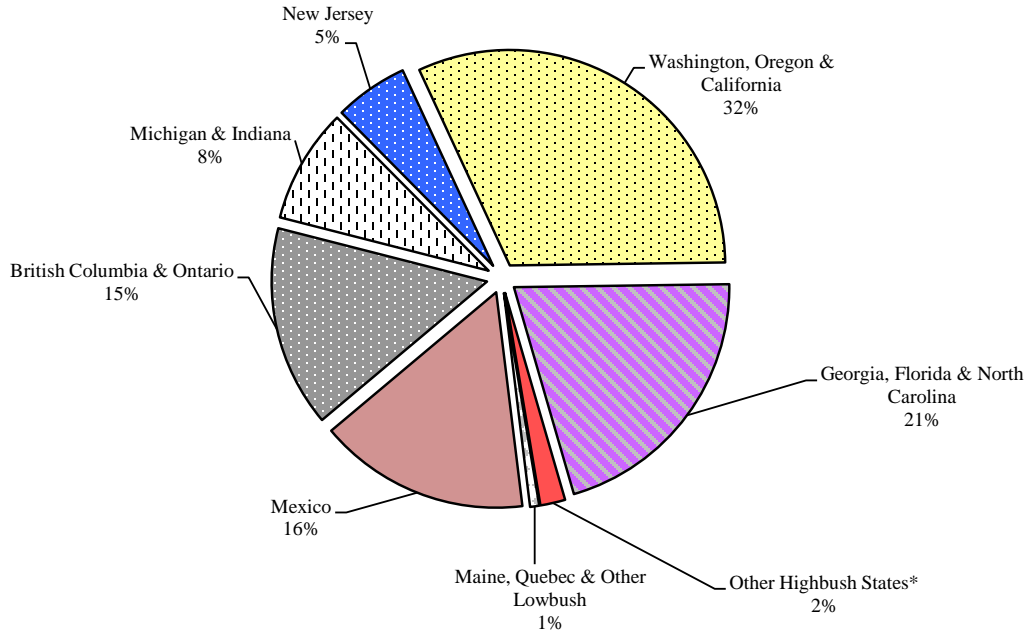
Pacific = Oregon, Washington, British Columbia, California, Mexico

Midwest = Illinois, Indiana, Michigan, Kentucky, Minnesota, Missouri, Ohio, Wisconsin

East = New Jersey, New York, Ontario, Connecticut, Maine, Maryland, Massachusetts, Delaware, New Hampshire, Pennsylvania, Rhode Island, Vermont, West Virginia

South = North Carolina, Georgia, Florida, Arkansas, Alabama, Mississippi, Louisiana, Texas, Oklahoma, South Carolina, Tennessee

**2019
NORTH AMERICAN SOURCE OF FRESH BLUEBERRIES**



**TOTAL BLUEBERRIES MARKETED FRESH 2019
543,275,201 Pounds**

**FRESH MARKET BLUEBERRY SALES TOTALED AN ESTIMATED FARM GATE VALUE OF:
\$865,635,932**

Fresh market consumption equals 43.6% of North American total production.
Fresh market income equals 65.5% of North American total income.
Highbush fresh market sales equal 56.5% of highbush production.

2019 total fresh pounds increased by 19.2% compared to 2018 (543.3 million pounds versus 455.6 million pounds).
2019 fresh sales dollars increased by 22.0% compared to 2018 (\$866 million versus \$709 million).

***Other Highbush States = Alabama, Arkansas, Connecticut, Illinois, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, New York, New Hampshire, Oklahoma, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, West Virginia, Wisconsin**

Sources: Value of production: USDA/NASS "Non-citrus Fruits & Nuts Summary" and Area Reps, July
Stats Canada "Fruit & Vegetable Production" Table 001-0009 April

Note: Data revised per USDA/NASS "Non-citrus Fruits & Nuts Summary" - June and Stats Canada - July

**NORTH AMERICAN FRESH BLUEBERRY PRODUCTION
2010-2019
(000 Pounds)**

<u>YEAR</u>	<u>NEW JERSEY</u>	<u>MICHIGAN/ INDIANA</u>	<u>NORTH CAROLINA</u>	<u>GEORGIA/ FLORIDA</u>	<u>WASHINGTON/ OREGON/ CALIFORNIA</u>	<u>SOUTHERN STATES & OTHERS**</u>	<u>CANADA</u>	<u>TOTAL</u>
2010	42,000	51,000	27,350	52,400	67,500	6,180	53,211	299,641
2011	47,000	35,300	28,600	60,400	109,300	6,700	43,795	331,095
2012	43,000	34,000	30,000	54,100	113,400	11,800	54,115	340,415
2013	43,500	50,200	32,000	54,500	106,600	11,800	54,576	353,176
2014	49,750	48,600	37,600	71,000	107,700	36,200	62,363	413,213
2015	45,800	42,000	37,500	70,500	86,000	37,840	70,998	390,638
2016	37,400	55,000	34,800	58,000	118,100	48,000	63,495	414,795
2017	36,000	50,000	21,100	44,800	141,300	114,000	79,820	487,020
2018	30,000	37,500	25,000	49,800	152,000	166,400	119,898	580,598
2019	30,000	46,700	29,900	82,700	172,100	97,512	84,363	543,275

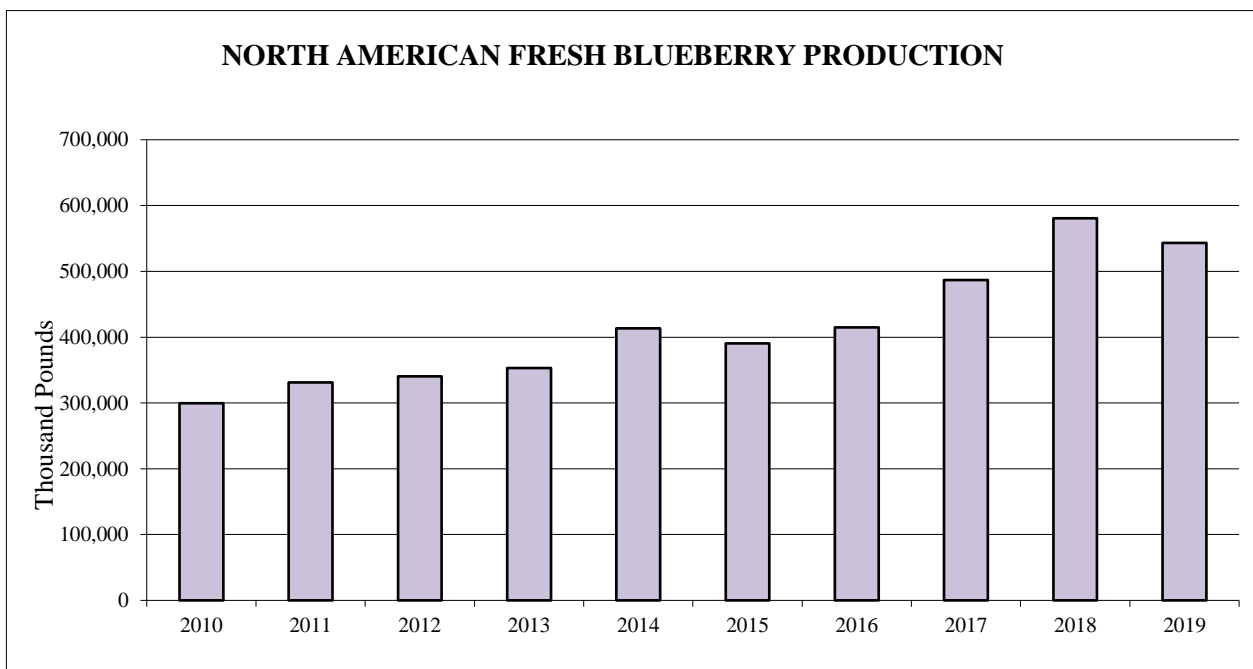
TEN YEAR AVERAGE 2010 - 2019

40,445	45,030	30,385	59,820	117,400	53,643	68,663	415,387
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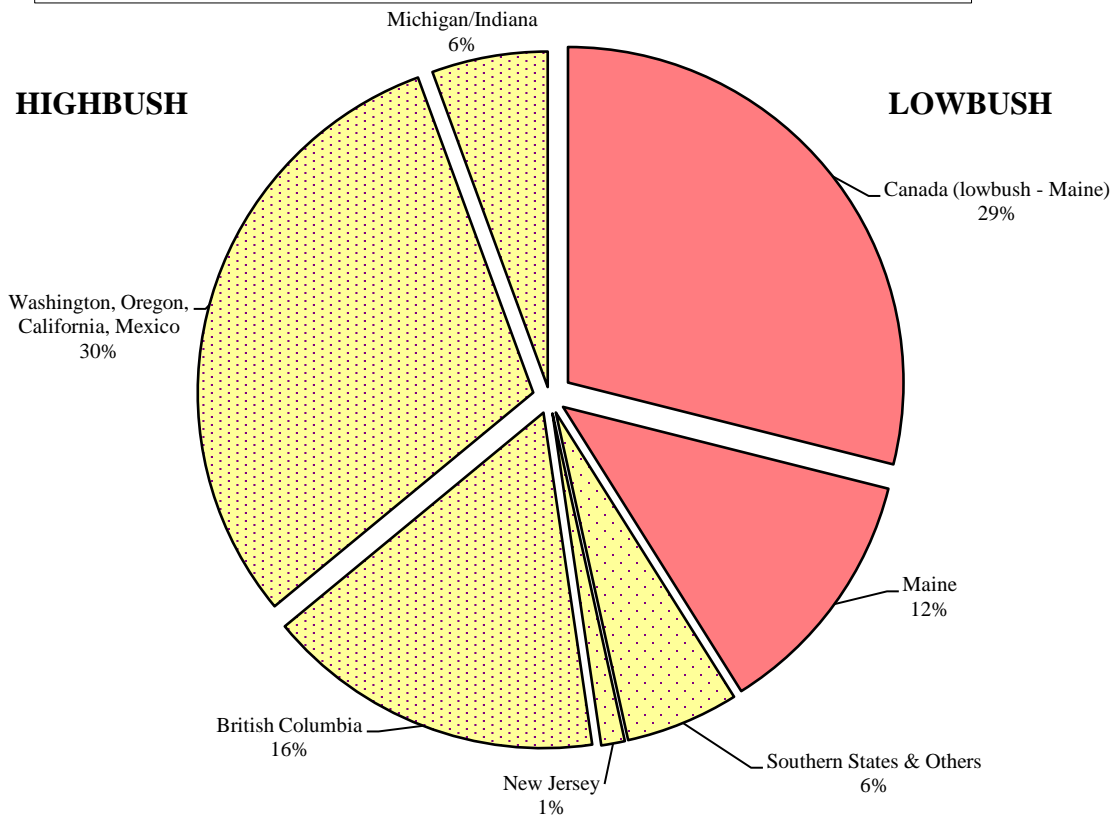
MOST RECENT THREE YEAR AVERAGE 2017 - 2019

32,000	44,733	25,333	59,100	155,133	125,971	94,694	536,964
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** Also includes: Maine, New York, Arkansas, Alabama, Mississippi, Connecticut, Delaware, Illinois, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Missouri, New Hampshire, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Wisconsin, West Virginia (Mexico since 2014)



**2019
NORTH AMERICAN SOURCE OF PROCESSED BLUEBERRIES**



**TOTAL PROCESSED BLUEBERRIES PRODUCED IN 2019
704,084,799 POUNDS**

**BLUEBERRIES FOR PROCESSING HAD AN ESTIMATED FARM GATE VALUE OF:
\$457,698,168**

Maine, Lowbush Canadian and Michigan blueberries combined represent 46.6% of process tonnage
(328,284,799 Pounds)

Total North American process tonnage increased by 25.6% compared to last years total
(704.1 million pounds versus 560.4 million pounds).

Total farm level income from North American process tonnage increased by 59.6% compared to last years total
(\$458 million dollars versus \$287 million dollars).

Process utilization was 56.4% of total production and 34.5% of income.

Source: Value of production: USDA/NASS "Non-citrus Fruits & Nuts Summary" - July and Stats Canada

Note: Data revised per USDA/NASS July report and Stats Canada "Fruit & Vegetable Production", Table 001-0009 May

**NORTH AMERICAN PROCESS BLUEBERRY PRODUCTION
LOWBUSH VS. Highbush
2010-2019
(000 Pounds)**

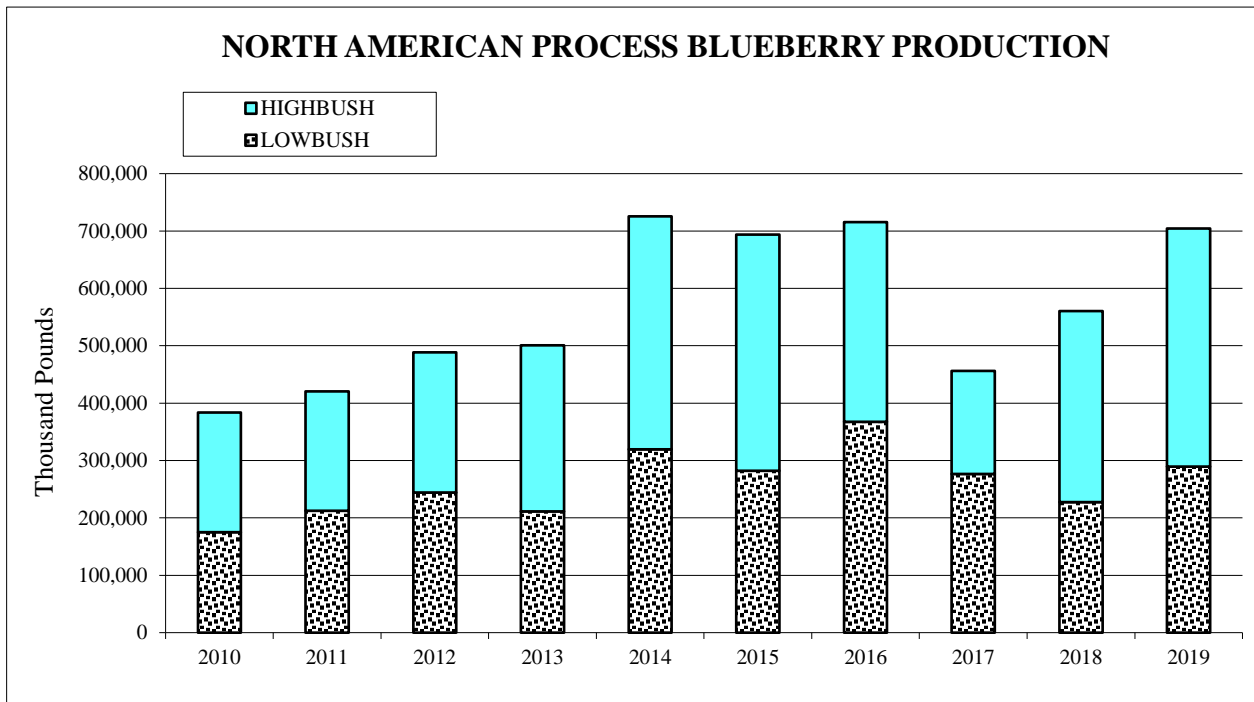
<u>YEAR</u>	<u>LOWBUSH</u>	<u>%</u>	<u>Highbush</u>	<u>%</u>	<u>TOTAL</u>
2010	174,920	45.6%	208,959	54.4%	383,879
2011	212,516	50.5%	207,919	49.5%	420,435
2012	244,100	49.9%	244,600	50.1%	488,700
2013	211,100	42.2%	289,400	57.8%	500,500
2014	319,407	44.0%	406,030	56.0%	725,437
2015	282,110	40.7%	411,590	59.3%	693,700
2016	367,386	53.0%	348,315	50.2%	693,700
2017	276,314	38.6%	179,856	25.1%	715,701
2018	227,700	49.9%	332,700	72.9%	456,170
2019	289,285	41.1%	414,800	58.9%	704,085

TEN YEAR AVERAGE 2010 - 2019

260,484	45.6%	304,417	53.4%	578,231
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MOST RECENT THREE YEAR AVERAGE 2010 - 2019

264,433	43.2%	309,119	52.3%	625,319
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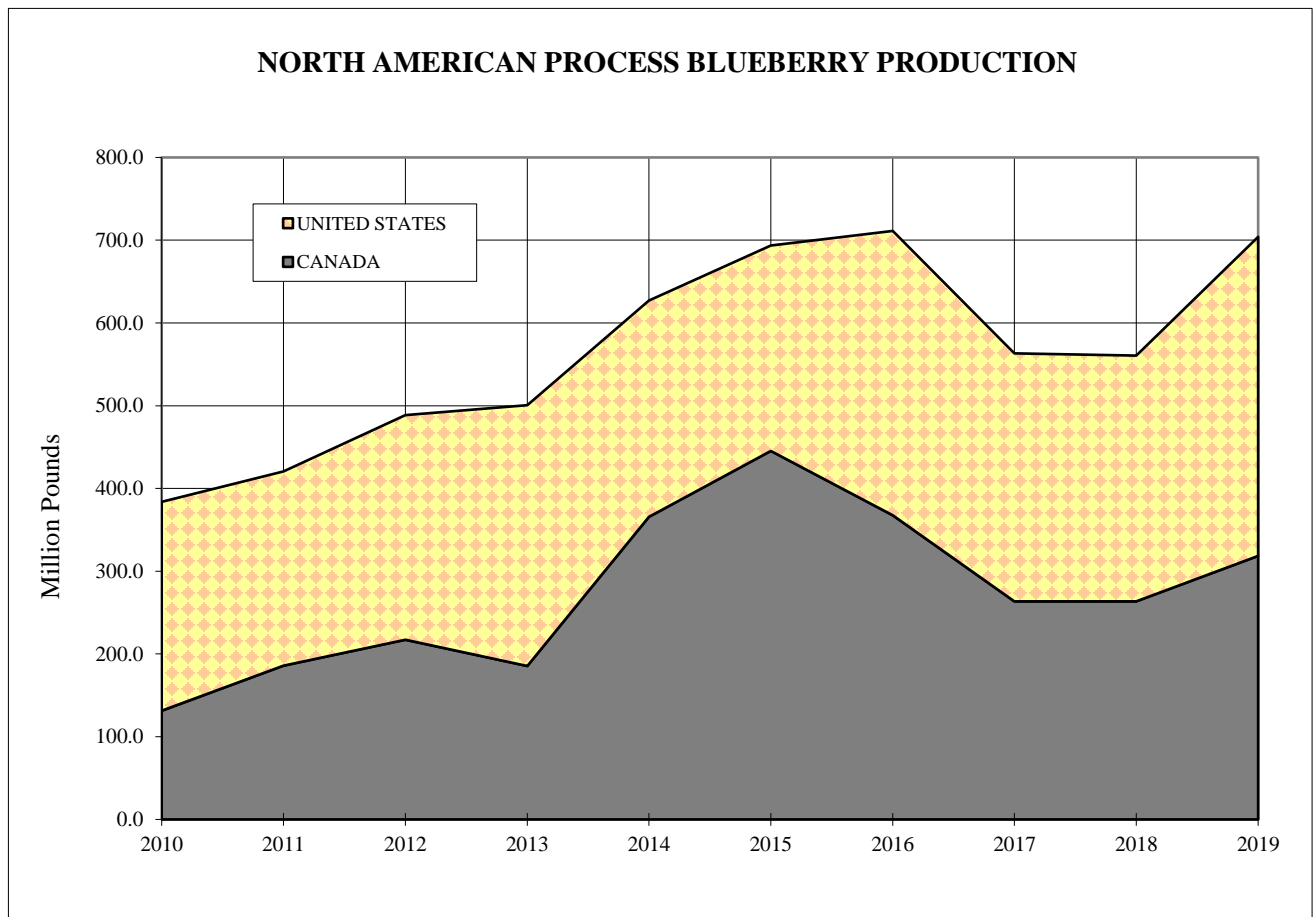
*Numbers revised per USDA/NASS "Non-citrus Fruits & Nuts Summary" - June and Stats Canada - May

**NORTH AMERICAN PROCESS BLUEBERRY PRODUCTION
CANADA VS. UNITED STATES
2010-2019
(000,000 Pounds)**

<u>YEAR</u>	<u>CANADA</u>	<u>UNITED STATES</u>	<u>TOTAL</u>
2010	131.4	252.5	383.9
2011	185.7	234.7	420.4
2012	217.1	271.6	488.7
2013	185.3	315.2	500.5
2014	365.8	261.2	627.0
2015	445.4	248.3	693.7
2016	367.4	343.8	711.2
2017	263.4	299.9	563.3
2018	263.4	297.0	560.4
2019	318.6	385.4	704.1

10 YEAR AVERAGE 2010 - 2019 **274.3** **291.0** **565.3**

3 YEAR AVERAGE 2017 - 2019 **281.8** **327.4** **609.3**



Source: USDA/NASS "Non-citrus Fruits & Nuts Summary" - June and Stats Canada - May

**UNITED STATES PROCESS BLUEBERRY PRODUCTION
2010-2019
(000 Pounds)**

YEAR	MAINE	MICHIGAN/ INDIANA	NEW JERSEY	WASH./ OREGON	SOUTHERN STATES & OTHERS*	U.S. PROCESS TOTAL	FROZEN IMPORTS	TOTAL INCLUDING IMPORTS
2010	82,500	61,600	7,000	57,100	44,300	233,050	92,921	325,971
2011	82,500	38,400	15,000	59,100	39,700	252,500	111,963	364,463
2012	90,600	54,500	8,500	69,500	48,500	234,700	114,971	349,671
2013	86,600	67,000	4,400	105,500	51,700	315,200	129,378	444,578
2014	104,400	51,000	5,860	116,300	54,230	331,790	132,668	464,458
2015	100,500	31,300	7,600	139,350	71,000	349,750	152,963	502,713
2016	101,260	55,400	6,590	155,850	55,000	374,100	165,546	539,646
2017	67,300	46,600	4,860	134,750	20,100	273,610	136,720	410,330
2018	49,300	33,300	8,000	164,200	40,200	295,000	160,155	455,155
2019	85,648	39,300	8,000	197,000	54,000	383,948	212,008	595,955
TEN YEAR AVERAGE 2010-2019								
	84,996	48,789	7,534	111,294	47,192	304,365	140,929	445,294
MOST RECENT THREE YEAR AVERAGE 2017-2019								
	58,300	39,950	6,430	149,475	30,150	317,519	169,628	487,147

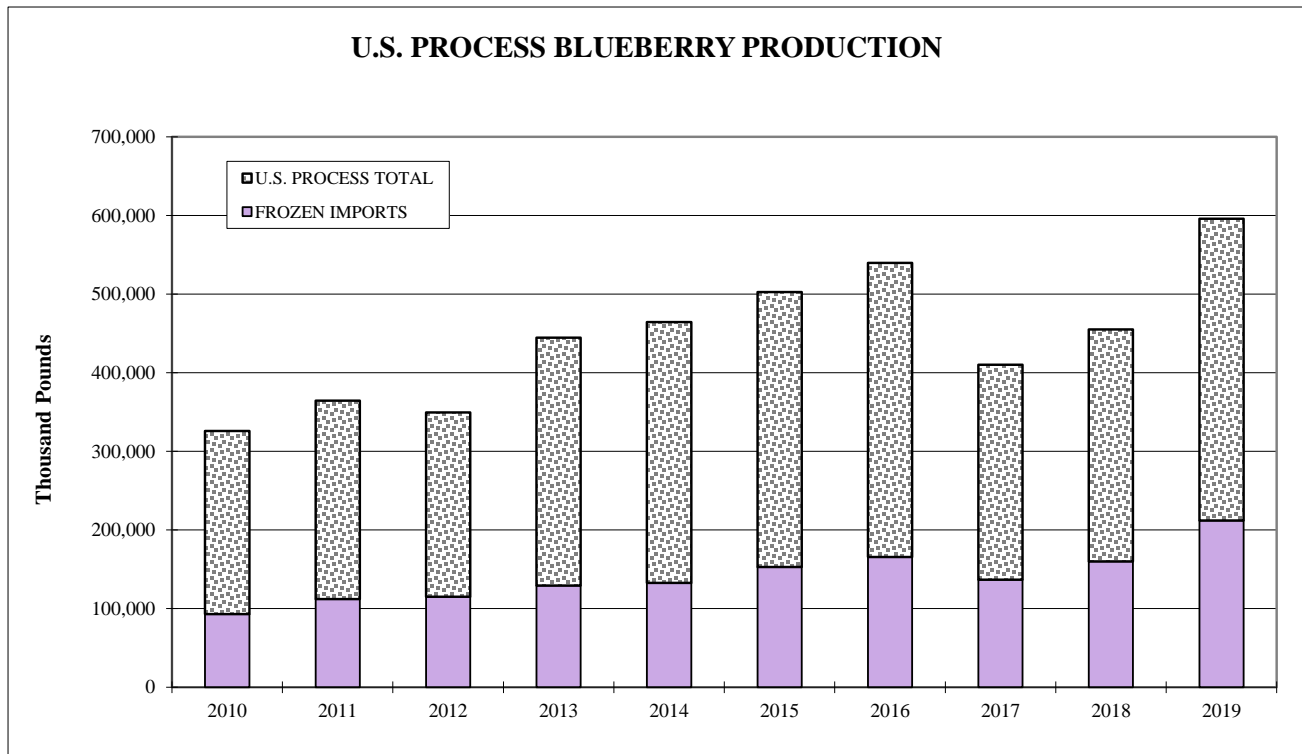
Source: Production - See Page 1, USDA/NASS - Non Citrus Fruits & Nuts Summary - June

Imports - See page 18 (U.S. Census Bureau. Jan-Dec)

*Also Includes North Carolina, Georgia, Florida, Arkansas, Alabama, Mississippi, Louisiana, New York, Texas and California

US Highbush Process for 2019 totals 298,300

US Lowbush Process for 2019 totals 85,648



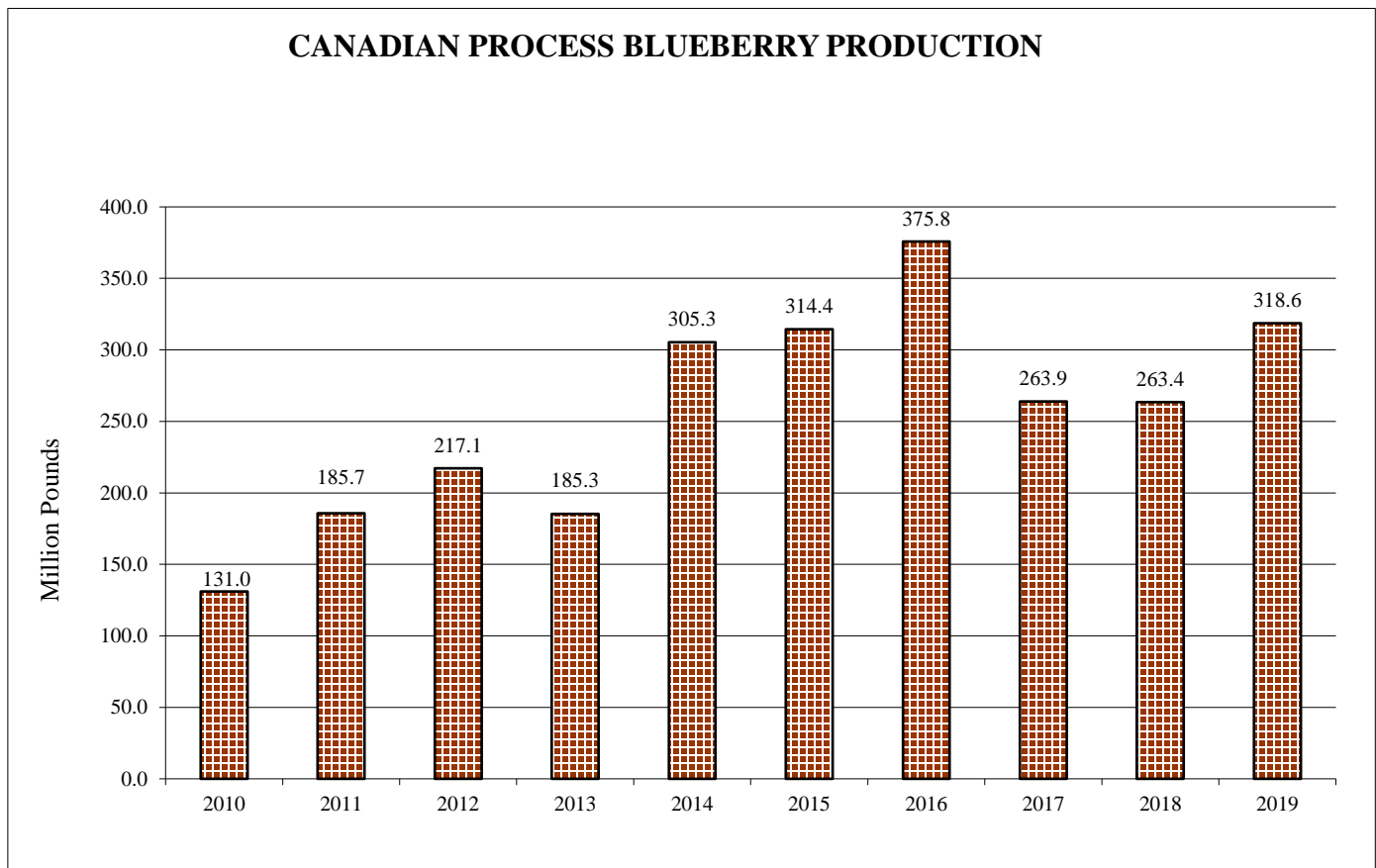
CANADIAN PROCESS BLUEBERRY PRODUCTION*
2010-2019
(000,000 Pounds)

<u>YEAR</u>	<u>NOVA SCOTIA</u>	<u>QUEBEC</u>	<u>BRITISH COLUMBIA</u>	<u>NEW BRUNS.</u>	<u>NEW-FOUNDLAND</u>	<u>P.E.I.</u>	<u>TOTAL</u>
2010	32.8	13.0	40.0	32.6	0.2	12.4	131.0
2011	29.4	61.1	54.1	27.6	0.2	13.3	185.7
2012	40.0	53.8	65.9	45.0	1.0	11.4	217.1
2013	39.1	29.5	60.8	42.6	0.0	13.3	185.3
2014	63.5	73.2	86.6	58.9	1.0	22.1	305.3
2015	65.1	49.8	104.0	78.0	0.0	17.5	314.4
2016	38.6	117.0	110.0	83.0	0.2	27.0	375.8
2017	48.4	78.4	60.3	53.3	0.0	23.5	263.9
2018	21.0	85.2	85.0	53.5	0.0	18.7	263.4
2019	40.0	77.6	115.0	68.0	0.0	18.0	318.6
10 YEAR AVERAGE 2010-2019							
	42.0	62.3	74.1	52.7	0.3	17.7	256.1
MOST RECENT 3 YEAR AVERAGE 2017-2019							
	34.7	81.8	72.7	53.4	0.0	21.1	282.0

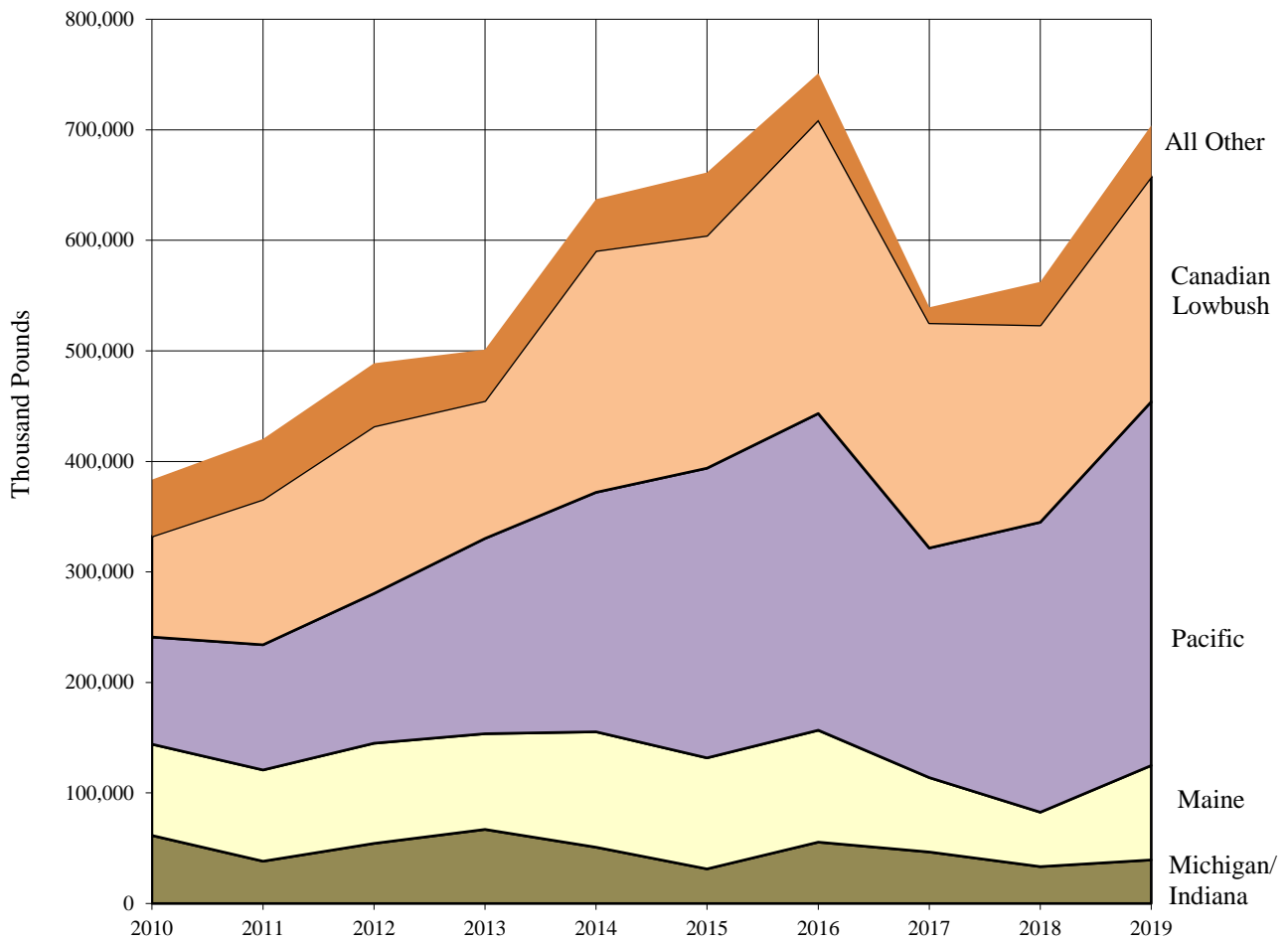
*Ontario not included, 0 process production to date.

**Average of 171.0 million pounds Lowbush; 70.1 million pounds Highbush.

Source: Production- see Page 1. Stats Canada with NABC adjustments for estimated fresh production.



NORTH AMERICAN PROCESS BLUEBERRY TREND BY PRODUCTION AREA 2010-2019



PACIFIC: British Columbia, Oregon, Washington and California combined.

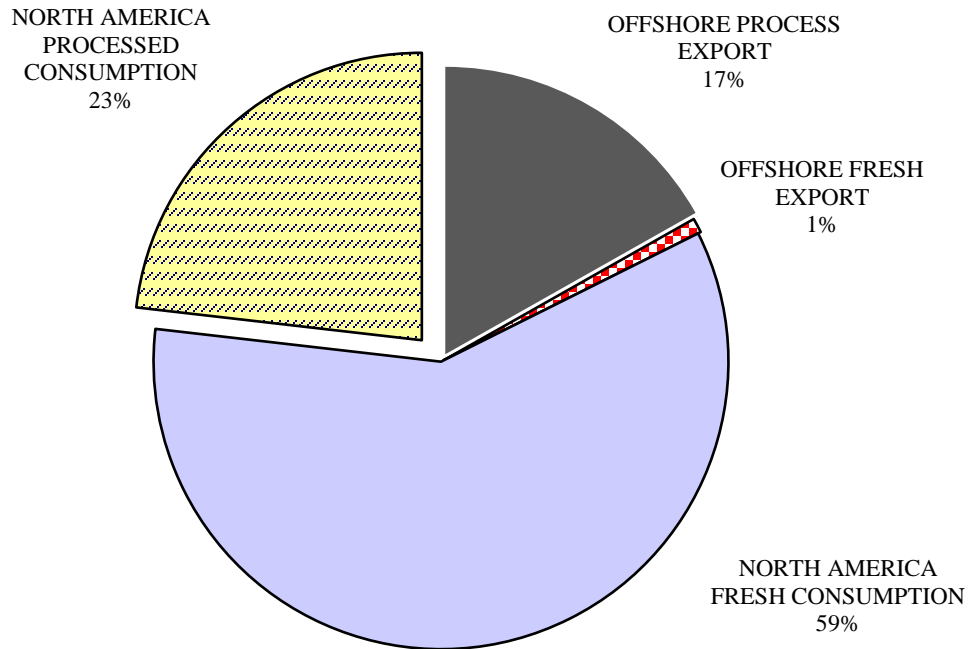
ALL OTHER AREAS: New Jersey, New York, North Carolina, Georgia, Arkansas, Florida, Mississippi & Other Southern States.

CANADIAN LOWBUSH: Nova Scotia, Quebec, New Brunswick, Newfoundland, & Prince Edward Island.

Data revised per USDA/NASS & Stats Canada

Mexico added since 2014

**2019
ESTIMATED UTILIZATION OF
NORTH AMERICAN BLUEBERRIES**



2019 CROP PRODUCTION TOTAL:
1,247,360,000 POUNDS

TOTAL ESTIMATED FARM GATE VALUE:
\$1,323,334,100

ESTIMATED 2018 CROP UTILIZATION:

NORTH AMERICA FRESH CONSUMPTION:	535,870,395	POUNDS
OFFSHORE FRESH EXPORT:	7,404,806	POUNDS
NORTH AMERICAN PROCESSED CONSUMPTION:	209,847,237	POUNDS
OFFSHORE PROCESS EXPORT:	152,257,562	POUNDS
TOTAL UTILIZATION:	905,380,000	POUNDS

NORTH AMERICAN BLUEBERRY IMPORTS AND EXPORTS

UNITED STATES

IMPORTS			EXPORTS		
FRESH:	<u>2018 POUNDS</u>	<u>2019 POUNDS</u>	FRESH:	<u>2018 POUNDS</u>	<u>2019 POUNDS</u>
PERU	81,925,652	151,411,822	CANADA	37,401,859	74,180,546
CHILE	151,141,928	133,357,206	KOREA, SOUTH	1,379,509	1,831,498
MEXICO	71,414,035	90,906,073	NETHERLANDS	17,474	1,164,498
CANADA	68,909,039	79,684,625	UNITED KINGDOM	173,916	654,025
ARGENTINA	19,858,607	15,344,444	JAPAN	781,500	547,526
URUGUAY	1,586,441	1,159,972	TAIWAN	337,379	371,266
COLUMBIA	1,334	190,835	UNITED ARAB EMIRATES	421,614	330,712
GUATEMALA	22,952	65,554	SINGAPORE	546,481	312,976
MOROCCO	0	18,340	MEXICO	755,501	256,748
FRANCE	0	827	HONG KONG	173,709	227,446
ECUADOR	89,595	0	AUSTRALIA	208,939	217,237
BRAZIL	50,441	0	MALAYSIA	74,923	138,239
REP. OF S. AFRICA	22,072	0	BELGIUM	2,481,202	95,785
ANTIQUA AND BARBUDA	2,630	0	VIETNAM	0	82,221
			IRELAND	0	77,282
			NEW ZEALAND	0	40,995
			BAHAMAS	49,716	37,291
FRESH TOTAL:	395,024,728	472,139,698	THAILAND	97,137	14,896
			SAUDI ARABIA	18,430	14,740
			PHILIPPINES	105,367	12,447
			ARUBA	10,097	10,564
			PAKISTAN	0	10,553
			CAMBODIA	1,764	9,537
FROZEN:	<u>2018 POUNDS</u>	<u>2019 POUNDS</u>	ICELAND	882	8,351
CANADA	113,959,253	162,064,516	COSTA RICA	10,944	7,458
CHILE	37,084,009	33,748,793	PANAMA	0	6,482
ARGENTINA	4,004,954	7,164,476	CAYMAN ISLANDS	0	6,435
PERU	3,286,366	5,838,821	OMAN	7,776	6,365
MEXICO	1,507,393	2,881,278	GUATEMALA	6,684	3,840
CHINA	25,088	74,361	INDONESIA	0	3,254
UKRAINE	91,579	73,832	DOMINICAN REPUBLIC	0	2,418
COLUMBIA	0	46,341	TRINIDAD AND TOBAGO	30,212	1,929
SERBIA	809	35,031	BURMA	3,252	1,896
POLAND	6,938	27,368	TURKS AND CAICOS ISLANDS	968	970
FRANCE	10,196	12,240	QATAR	38,909	716
SWEDEN	9,967	11,881	CHINA	109,258	0
GREECE	0	11,881	BERMUDA	11,887	0
ITALY	15,520	10,913	FRANCE	8,772	0
RUSSIA	0	2,932	CAYMAN	7,983	0
GERMANY	0	2,910	EL SALVADOR	2,881	0
SWITZERLAND	153,773	0	SWITZERLAND	2,474	0
			KUWAIT	1,232	0
FROZEN TOTAL	160,155,845	212,007,572			
<u>GRAND TOTAL:</u>	<u>555,180,573</u>	<u>684,147,270</u>	FRESH TOTAL:	45,280,630	80,689,145

SOURCE: US Bureau of Census, Department of
Commerce Foreign Trade Division.

CALENDAR YEAR (JANUARY TO DECEMBER)

TOTAL = BOTH HIGHBUSH & LOWBUSH BLUEBERRIES

* TOTALS BASED ON ROUNDED CONVERSIONS FROM KILOGRAMS.

NORTH AMERICAN BLUEBERRY IMPORTS AND EXPORTS (CON'T)

UNITED STATES

FROZEN:	<u>2018 POUNDS</u>	<u>2019 POUNDS</u>
CANADA	18,956,189	35,199,027
KOREA, SOUTH	7,710,774	5,893,793
JAPAN	4,463,896	4,847,111
AUSTRALIA	3,033,779	3,942,363
NETHERLANDS	1,362,844	1,108,100
UNITED KINGDOM	624,224	634,323
MEXICO	1,188,881	560,766
CHILE	1,365	419,959
COSTA RICA	163,235	208,606
GERMANY	1,338,214	204,342
TAIWAN	147,966	189,320
COLOMBIA	151,754	187,287
GUATEMALA	121,271	176,990
VIETNAM	47,619	126,057
HONG KONG	0	121,484
INDIA	217,094	104,604
CHINA	241,448	103,200
TRINIDAD AND TOBAGO	56,458	97,155
JAMAICA	54,176	93,872
PANAMA	49,299	93,378
PHILIPPINES	39,751	63,239
EL SALVADOR	32,780	60,025
BRAZIL	51,200	51,200
HONDURAS	28,722	44,266
ISRAEL	173,539	36,748
BARBADOS	12,692	32,141
SINGAPORE	18,287	13,655
ARUBA	0	11,541
DOMINICAN REPUBLIC	0	10,476
SPAIN	0	6,649
UNITED ARAB EMIRATES	2,776	5,523
NICARAGUA	5,941	5,401
NICARAGUA	0	5,401
MALAYSIA	4,398	4,180
OMAN	0	3,527
QATAR	14,899	3,307
GRENADA	0	2,619
BAHAMAS	4,414	2,491
SAUDI ARABIA	0	311
POLAND	730,642	0
BELGIUM	231,483	0
FRANCE	92,593	0
HAITI	92,593	0
NEW ZEALAND	52,507	0
INDONESIA	50,812	0
BERMUDA	8,069	0
BAHRAIN	871	0
	0	0
FROZEN TOTAL:	41,579,455	54,669,036
<u>GRAND TOTAL:</u>	<u>86,860,085</u>	<u>135,358,181</u>

NORTH AMERICAN BLUEBERRY IMPORTS AND EXPORTS

CANADA

	IMPORTS			EXPORTS	
	2018 POUNDS	2019 POUNDS		2018 POUNDS	2019 POUNDS
FRESH:			FRESH:		
United States	46,276,741	79,318,124	United States	68,843,454	79,684,625
Peru	12,126,636	19,567,000	China	103,524	312,046
Chile	19,228,506	18,281,632	Japan	59,491	160,012
Mexico	5,589,953	7,111,954	Singapore	178,705	131,425
Argentina	2,068,162	2,288,783	Hong Kong	390,318	107,774
Uruguay	316,845	341,781	Israel	11,118	70,635
Cook Islands	0	12,000	Indonesia	30,657	51,526
Australia	9,579	8,183	Taiwan	40,898	40,893
Switzerland	342	5,994	India	6,645	10,752
Montserrat	0	377	Germany	26	4,109
Sri Lanka	0	115	Thailand	3,900	3,175
Pakistan	0	68	Viet Nam	0	1,290
Dominican Republic	0	31	United Kingdom	0	1,080
Costa Rica	0	15	Malaysia	8,303	635
Guatemala	0	7	Saint Pierre and Miquelon	593	474
Italy	0	0	Italy	2,934	381
France	35,582	0	Saudi Arabia	0	0
Philippines	0	0	Chile	0	0
Colombia	0	0	Poland	0	0
Brazil	0	0	Ireland	38,120	0
New Zealand	26	0	France	26	0
			Switzerland	42	0
FRESH TOTAL:	85,652,372	126,936,064	Bahrain	635	0
			Netherlands	15,992	0
FROZEN:			Norway	0	0
United States	19,210,715	36,826,456	Cambodia	1,841	0
Chile	2,753,799	4,268,952	Australia	0	0
Argentina	250,297	730,622	Kuwait	0	0
France	48,450	29,242			
Sweden	42,225	24,991	FRESH TOTAL	69,737,221	80,580,833
Japan	0	23,986			
Poland	20	1,065	FROZEN:		
China	1,124	948	United States	113,870,026	162,069,465
Mexico	2,185	190	Germany	31,678,984	35,133,626
Peru	49	24	Japan	23,348,588	22,214,209
Ukraine	12,566	4	China	10,933,088	10,404,868
Ecuador	79	0	Netherlands	9,352,456	9,973,059
Slovenia	79	0	Poland	12,858,147	9,669,111
Suriname	238	0	France	5,329,905	9,276,877
Philippines	472	0	Belgium	9,495,064	8,641,959
Turkey	1,190	0	Switzerland	6,706,459	6,478,934
Lithuania	0	0	United Kingdom	3,911,018	3,437,262
Serbia	1,559	0	Serbia	1,468,283	2,338,843
Albania	11	0	Australia	2,632,548	2,211,564
Netherlands	0	0	Italy	2,733,424	2,041,718
			Austria	2,037,172	1,871,937
FROZEN TOTAL:	22,325,058	41,906,481	New Zealand	1,331,433	1,841,485
			Sweden	936,175	1,072,774
GRAND TOTAL:	107,977,430	168,842,545	Czechia	930,917	931,179
			Taiwan	763,343	870,127
			Denmark	495,444	678,915
			Portugal	410,691	592,497
			Philippines	777,298	523,888
			Ukraine	305,734	463,059
			Korea, South	452,391	348,576
			Bulgaria	455,122	260,701
			Turkey	154,346	251,349
			Ireland	206,895	203,996
			Viet Nam	254,431	180,929
			Croatia	0	153,447
			Sub-Total	243,829,379	294,136,352

SOURCE: STATISTICS CANADA "TOTAL IMPORTS AND TOTAL EXPORTS" CODE CRO-0124975

Totals based on rounded conversions from kilograms.

NORTH AMERICAN BLUEBERRY IMPORTS AND EXPORTS

CANADA

EXPORTS

	<u>2018 POUNDS</u>	<u>2019 POUNDS</u>
FROZEN:		
Israel	152,261	148,019
India	86,127	112,000
Chile	288,009	97,562
Indonesia	100,757	72,756
Malaysia	174,223	68,413
Cabo Verde	0	52,591
Brazil	157,510	52,500
Montenegro	96,958	48,479
Lithuania	0	46,559
Hong Kong	22,500	15,595
Saudi Arabia	0	5,432
Saint Pierre and Miquelon	622	758
Finland	0	0
Thailand	105,175	0
Myanmar	0	0
Mexico	0	0
Romania	50,999	0
Greece	0	0
Eswatini	157,408	0
Bahrain	0	0
Norway	574,819	0
Singapore	44,998	0
South Africa, Republic of	50,999	0
Latvia	40,946	0
FROZEN TOTAL:	245,933,690	294,857,018
GRAND TOTAL:	<u><u>315,670,911</u></u>	<u><u>375,437,851</u></u>

NORTH AMERICAN FRESH IMPORTS OF SOUTHERN HEMISPHERE BLUEBERRIES (Millions of Pounds)

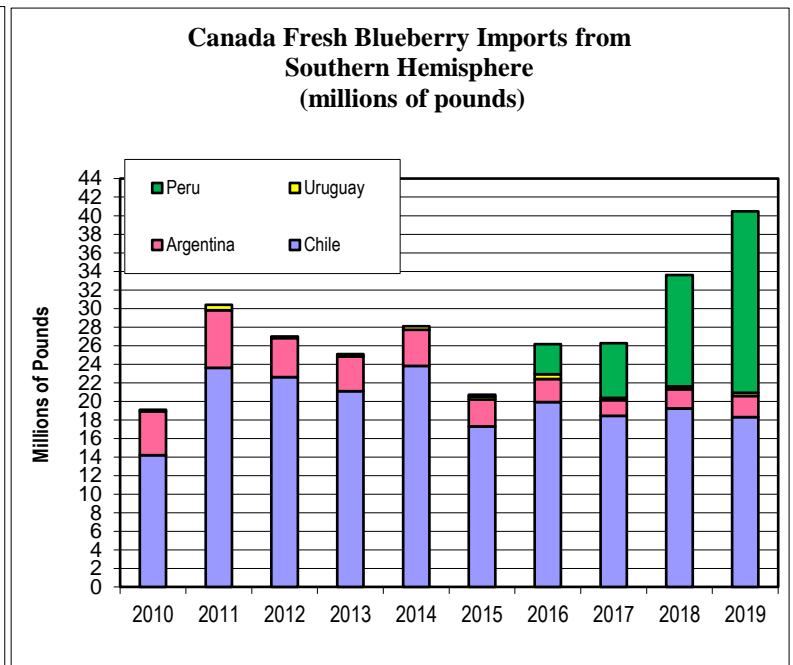
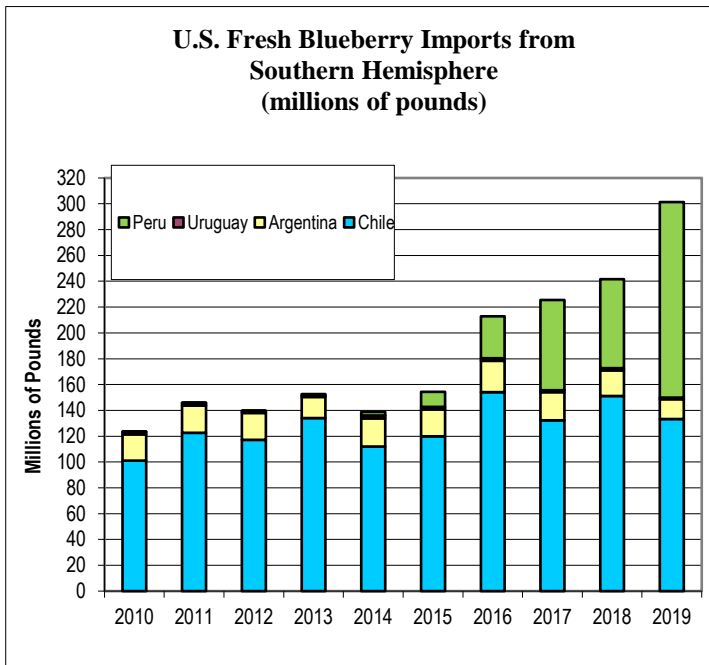
FRESH IMPORTS

YEAR	U.S. IMPORTS					CANADIAN IMPORTS					North America
	Chile	Argentina	Peru	Uruguay	Others*	Chile	Argentina	Peru	Uruguay	Others ^	Total
2010	101.0	20.5	0.1	1.8	0.2	14.2	4.7	0.0	0.2	0.0	142.7
2011	122.7	21.0	0.1	2.0	0.2	23.6	6.2	0.0	0.6	0.0	176.4
2012	117.1	21.0	0.0	1.4	0.1	22.6	4.2	0.0	0.2	0.0	166.7
2013	134.1	16.2	1.0	1.4	0.1	21.1	3.7	0.0	0.3	0.0	177.9
2014	112.0	21.9	2.6	2.2	0.1	23.8	3.9	0.0	0.4	0.0	166.9
2015	119.9	20.9	11.6	1.9	0.1	17.3	2.9	0.2	0.3	0.0	175.1
2016	154.2	24.3	32.3	2.0	0.0	19.9	2.5	3.3	0.5	0.1	239.1
2017	132.3	21.9	70.0	1.3	0.0	18.4	1.7	5.9	0.2	0.1	251.9
2018	151.1	19.9	68.9	1.6	0.1	19.2	2.1	12.0	0.3	0.1	275.3
2019	133.4	15.3	151.4	1.2	0.3	18.3	2.3	19.6	0.3	0.0	342.0
10 YEAR AVERAGE											
2010-2019	127.8	20.3	33.8	1.7	0.1	19.8	3.4	4.1	0.3	0.0	211.4
3 YEAR AVERAGE											
2017-2019	138.9	19.0	96.8	1.3	0.1	18.6	2.0	12.5	0.3	0.1	289.7

Source: U.S. Bureau of Census Department of Commerce, Foreign Trade Division, and Stats Canada (Calendar Year).

* Includes: GUATEMALA, MOROCCO, ECUADOR, BRAZIL, REP. OF S. AFRICA, ANTIQUA AND BARBUDA, COLUMBIA AND NEW ZEALAND

^ Includes: AUSTRALIA, NEW ZEALAND, PHILIPPINES, COLUMBIA, GUATEMALA, COSTA RICA, COOK ISLANDS, DOMINICAN REPUBLIC AND BRAZIL



UNITED STATES BLUEBERRY IMPORTS AND EXPORTS
2010 - 2019
(000 Pounds)

YEAR	IMPORTS:			EXPORTS:		
	FROZEN	FRESH	TOTAL	FROZEN	FRESH	TOTAL
2010	92,921	169,189	218,448	32,878	69,064	84,200
2011	111,963	192,541	262,110	36,176	78,490	101,942
2012	114,971	212,451	304,504	44,676	73,579	114,666
2013	129,378	228,180	327,422	47,908	84,387	118,255
2014	132,668	234,743	357,558	55,851	79,082	132,295
2015	152,963	270,525	367,411	51,485	63,014	134,933
2016	166,546	350,309	423,488	56,105	69,889	114,499
2017	136,720	320,535	457,255	53,105	58,916	112,021
2018	160,156	395,025	555,181	41,579	45,281	86,860
2019	212,008	472,140	684,147	54,669	80,689	135,358

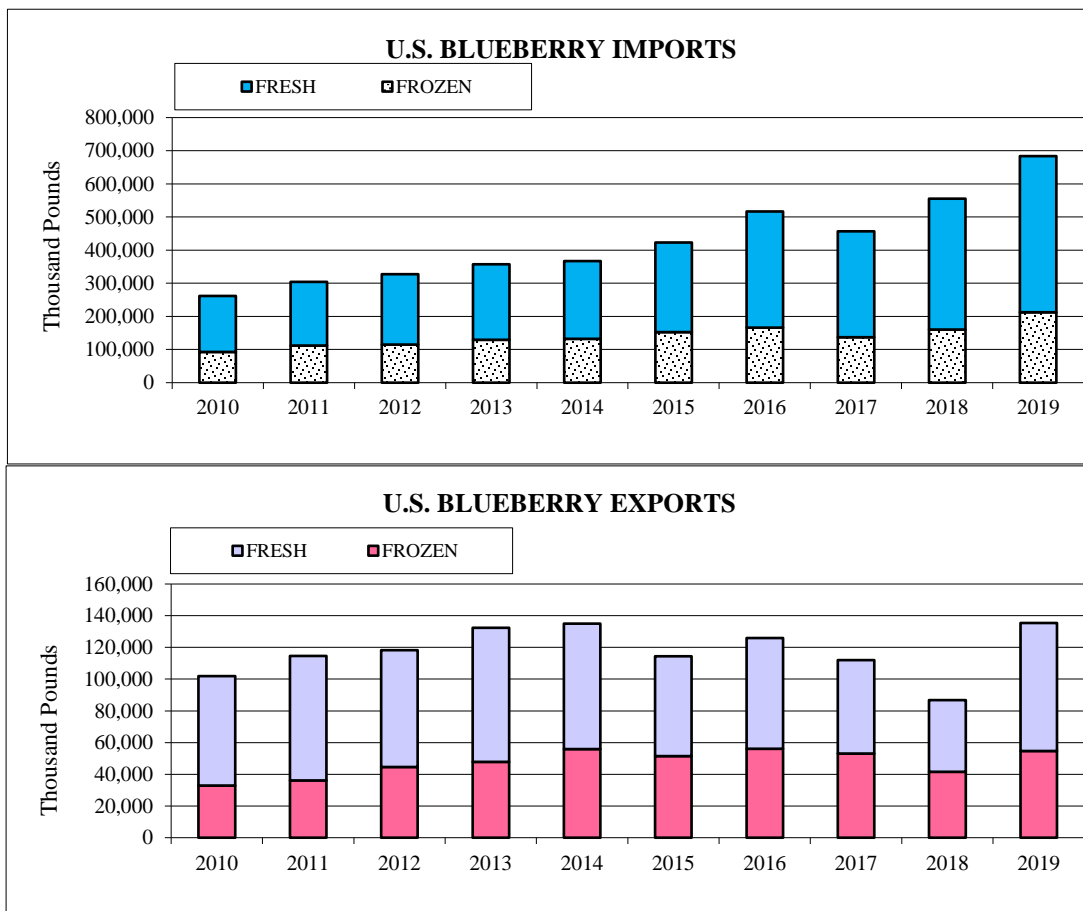
10 YEAR AVERAGE 2009-2018

141,029	284,564	425,593	47,443	70,239	117,682
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3 YEAR AVERAGE 2016-2018

169,628	395,900	565,528	49,784	61,629	111,413
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Source: U.S. Bureau of Census Calendar Year



**U.S. BLUEBERRY EXPORTS - CROP YEAR BASIS
(JULY TO JUNE)
Latest 15 Seasons
(THOUSANDS OF POUNDS)**

<u>CROP YEAR</u>	FRESH EXPORTS*			FROZEN EXPORTS*		
	<u>LOWBUSH</u>	<u>HIGHBUSH</u>	<u>TOTAL</u>	<u>LOWBUSH</u>	<u>HIGHBUSH</u>	<u>TOTAL</u>
2005/06	31,758	22,248	54,006	13,366	10,428	23,794
2006/07	28,194	20,423	48,617	19,025	13,210	32,235
2007/08	28,466	26,439	54,905	20,344	16,265	36,609
2008/09	34,973	32,414	67,387	10,641	9,950	20,591
2009/10	31,744	37,588	69,332	7,621	14,951	22,572
2010/11	34,463	45,209	79,672	21,838	15,459	37,297
2011/12	31,026	48,174	79,200	17,596	21,373	38,969
2012/13	26,146	41,258	67,404	22,804	25,873	48,677
2013/14	36,833	47,583	84,416	20,069	33,861	53,930
2014/15	35,175	44,428	79,603	18,259	36,237	54,495
2015/16	23,152	37,854	61,006	17,034	32,797	49,831
2016/17	30,396	31,095	61,490	21,989	31,711	53,700
2017/18	22,538	32,333	54,871	21,464	32,247	53,711
2018/19	2,245	47,122	49,367	8,636	31,439	40,075
2019/20	38,197	42,011	80,208	21,362	37,290	58,652

Source: Derived from U.S. Bureau of Census - Department of Commerce, Foreign Trade Division Data.

* Includes exports to Canada.

**U.S. FRESH BLUEBERRY EXPORTS 2019
HIGHBUSH VERSUS LOWBUSH
(POUNDS)**

FRESH EXPORTS:

COUNTRY	HIGHBUSH POUNDS	HIGHBUSH % OF TOTAL U.S. EXPORT	LOWBUSH POUNDS	LOWBUSH % OF TOTAL U.S. EXPORT	TOTAL
CANADA	39,976,719	54%	34,203,827	46%	74,180,546
KOREA, SOUTH	1,300,350	71%	531,148	29%	1,831,498
NETHERLANDS	-	0%	1,164,498	100%	1,164,498
UNITED KINGDOM	44,330	7%	609,695	93%	654,025
JAPAN	424,853	78%	122,673	22%	547,526
TAIWAN	338,159	91%	33,106	9%	371,266
UNITED ARAB EMIRATES	326,347	99%	4,365	1%	330,712
SINGAPORE	223,009	71%	89,968	29%	312,976
MEXICO	215,572	84%	41,175	16%	256,748
HONG KONG	114,220	50%	113,226	50%	227,446
AUSTRALIA	132,792	61%	84,445	39%	217,237
MALAYSIA	138,239	100%	-	0%	138,239
BELGIUM	-	0%	95,785	100%	95,785
VIETNAM	80,743	98%	1,477	2%	82,221
IRELAND	-	0%	77,282	100%	77,282
NEW ZEALAND	32,637	80%	8,358	20%	40,995
BAHAMAS	37,291	100%	-	0%	37,291
THAILAND	10,159	68%	4,738	32%	14,896
SAUDI ARABIA	14,740	100%	-	0%	14,740
PHILIPPINES	4,447	36%	8,000	64%	12,447
ARUBA	9,264	88%	1,301	12%	10,564
PAKISTAN	10,553	100%	-	0%	10,553
CAMBODIA	9,537	100%	-	0%	9,537
ICELAND	-	0%	8,351	100%	8,351
COSTA RICA	7,458	100%	-	0%	7,458
PANAMA	6,482	100%	-	0%	6,482
CAYMAN ISLANDS	6,435	100%	-	0%	6,435
OMAN	-	0%	6,365	100%	6,365
GUATEMALA	3,840	100%	-	0%	3,840
INDONESIA	2,152	66%	1,102	34%	3,254
DOMINICAN REPUBLIC	342	14%	2,077	86%	2,418
TRINIDAD AND TOBAGO	1,299	67%	631	33%	1,929
BURMA	1,896	100%	-	0%	1,896
TURKS AND CAICOS ISLANE	970	100%	-	0%	970
FRESH TOTAL:	43,474,835	54%	37,214,309	46%	80,689,145

Note: Fresh exports excluding Canada total 6,508,599 pounds of which Highbush accounts for 54% (3,498,116 pounds) and Lowbush accounts for 46% (3,010,483 pounds) Source: U.S. Bureau of Census-Department of Commerce, Foreign Trade Division.

U.S. FROZEN BLUEBERRY EXPORTS 2019
HIGHBUSH VERSUS LOWBUSH
(POUNDS)

FROZEN EXPORTS:

COUNTRY	HIGHBUSH POUNDS	HIGHBUSH % OF TOTAL U.S. EXPORT	LOWBUSH POUNDS	LOWBUSH % OF TOTAL U.S. EXPORT	TOTAL
CANADA	22,761,578	65%	12,437,449	35%	35,199,027
KOREA, SOUTH	5,300,244	90%	593,549	10%	5,893,793
JAPAN	3,947,989	81%	899,122	19%	4,847,111
AUSTRALIA	3,531,379	90%	410,984	10%	3,942,363
NETHERLANDS	0	0%	1,108,100	100%	1,108,100
UNITED KINGDOM	634,323	100%	0	0%	634,323
MEXICO	40,199	7%	520,568	93%	560,766
CHILE	314,960	75%	104,998	25%	419,959
COSTA RICA	208,606	100%	0	0%	208,606
GERMANY	2,035	1%	202,307	99%	204,342
TAIWAN	138,215	73%	51,105	27%	189,320
COLOMBIA	187,287	100%	0	0%	187,287
GUATEMALA	176,990	100%	0	0%	176,990
VIETNAM	77,999	62%	48,058	38%	126,057
HONG KONG	13,049	11%	108,435	89%	121,484
INDIA	77,999	75%	26,605	25%	104,604
CHINA	103,200	100%	0	0%	103,200
TRINIDAD AND TOBAGO	92,254	95%	4,901	5%	97,155
JAMAICA	75,840	81%	18,031	19%	93,872
PANAMA	93,378	100%	0	0%	93,378
PHILIPPINES	28,115	44%	35,124	56%	63,239
EL SALVADOR	60,025	100%	0	0%	60,025
BRAZIL	51,200	100%	0	0%	51,200
HONDURAS	44,266	100%	0	0%	44,266
ISRAEL	36,748	100%	0	0%	36,748
BARBADOS	32,141	100%	0	0%	32,141
SINGAPORE	13,655	100%	0	0%	13,655
ARUBA	10,567	92%	974	8%	11,541
DOMINICAN REPUBLIC	10,476	100%	0	0%	10,476
SPAIN	0	0%	6,649	100%	6,649
UNITED ARAB EMIRATES	1,102	20%	4,420	80%	5,523
NICARAGUA	5,401	100%	0	0%	5,401
MALAYSIA	4,180	100%	0	0%	4,180
OMAN	3,527	100%	0	0%	3,527
QATAR	3,307	100%	0	0%	3,307
GRENADA	2,619	100%	0	0%	2,619
BAHAMAS	0	0%	2,491	100%	2,491
SAUDI ARABIA	311	100%	0	0%	311
THAILAND	0	0%	0	0%	0
FROZEN TOTAL:	38,085,164	70%	16,583,872	30%	54,669,036

Note: Fresh exports excluding Canada total 19,470,009 pounds of which Highbush accounts for 79% (15,323,586 pounds) and Lowbush accounts for 21% (4,146,423 pounds) Source: U.S. Bureau of Census-Department of Commerce, Foreign Trade Division.

CANADIAN BLUEBERRY IMPORTS & EXPORTS

2010 - 2019
(000 POUNDS)

YEAR	IMPORTS			EXPORTS		
	FROZEN	FRESH	TOTAL	FROZEN	FRESH	TOTAL
2010	18,236	82,493	100,729	146,977	45,335	192,312
2011	24,036	102,018	126,054	157,981	44,291	202,272
2012	26,690	94,687	121,377	167,002	65,490	232,492
2013	26,551	110,461	137,012	156,908	66,332	223,240
2014	29,233	96,653	125,886	168,749	77,390	246,139
2015	22,616	75,370	97,986	196,789	92,052	288,841
2016	34,325	92,554	126,878	208,969	81,681	290,650
2017	30,004	84,164	114,168	215,713	71,240	286,953
2018	22,285	85,669	107,954	245,607	69,819	315,427
2019	41,906	126,936	168,843	294,857	80,581	375,438

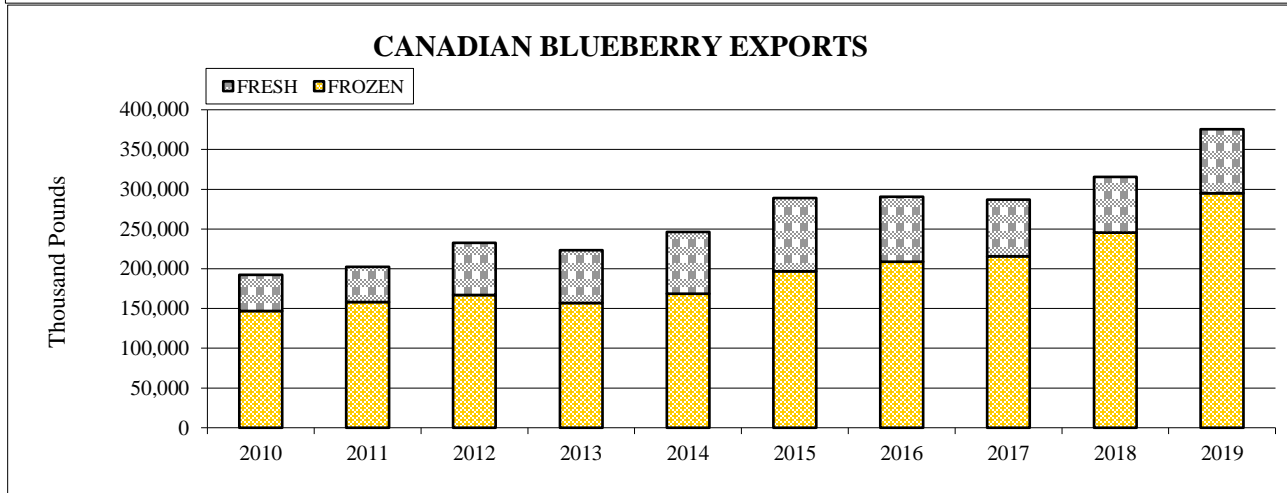
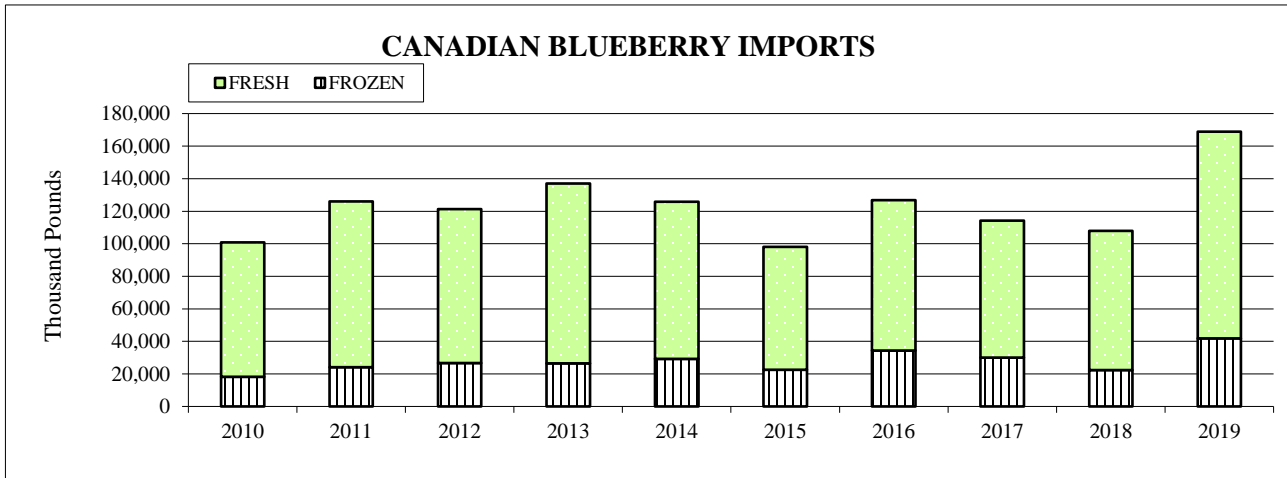
10 year average 2009-2018

27,588	95,100	117,560	195,955	69,421	265,376
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3 year average 2016-2018

31,399	98,923	130,321	252,059	73,880	325,939
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Source: Stats Canada



**CANADIAN FRESH BLUEBERRY EXPORTS 2019
HIGHBUSH VERSUS LOWBUSH
(POUNDS)**

FRESH EXPORTS:

COUNTRY	HIGHBUSH POUNDS	HIGHBUSH % OF TOTAL EXPORT	LOWBUSH POUNDS	LOWBUSH % OF TOTAL EXPORT	2018 TOTAL
United States	66,246,389	83%	13,438,236	17%	79,684,625
China	52,686	17%	259,360	83%	312,046
Japan	62,721	39%	97,291	61%	160,012
Singapore	16,810	13%	114,615	87%	131,425
Hong Kong	2,064	2%	105,711	98%	107,774
Israel	70,635	100%	0	0%	70,635
Indonesia	48,986	95%	2,540	5%	51,526
Taiwan	5,011	12%	35,882	88%	40,893
India	0	0%	10,752	100%	10,752
Germany	0	0%	4,109	100%	4,109
Thailand	0	0%	3,175	100%	3,175
Viet Nam	1,290	100%	0	0%	1,290
United Kingdom	1,080	100%	0	0%	1,080
Malaysia	635	100%	0	0%	635
Saint Pierre and Miquelon	0	0%	474	100%	474
Italy	381	100%	0	0%	381

FRESH TOTAL: 66,508,688 83% 14,072,145 17% 80,580,833

Note: Fresh exports excluding the United States total 896,207 pounds of which Highbush accounts for 29% of the total (262,299 pounds) and Lowbush accounts for 71% of the total (633,908 pounds).

Source: Statistics, CATSNET Analytics Canada "Canadian Domestic Exports of Blueberries"

**CANADIAN FROZEN BLUEBERRY EXPORTS 2019
HIGHBUSH VERSUS LOWBUSH
(POUNDS)**

FROZEN EXPORTS:

COUNTRY	HIGHBUSH POUNDS	HIGHBUSH % OF TOTAL EXPORT	LOWBUSH POUNDS	LOWBUSH % OF TOTAL EXPORT	TOTAL
United States	74,646,627	46%	87,422,838	54%	162,069,465
Germany	508,797	1%	34,624,828	99%	35,133,626
Japan	2,602,455	12%	19,611,753	88%	22,214,209
China	1,225,612	12%	9,179,256	88%	10,404,868
Netherlands	270,086	3%	9,702,974	97%	9,973,059
Poland	202,823	2%	9,466,288	98%	9,669,111
France	26	0%	9,276,851	100%	9,276,877
Belgium	0	0%	8,641,959	100%	8,641,959
Switzerland	0	0%	6,478,934	100%	6,478,934
United Kingdom	96,121	3%	3,341,142	97%	3,437,262
Serbia	0	0%	2,338,843	100%	2,338,843
Australia	174,490	8%	2,037,075	92%	2,211,564
Italy	0	0%	2,041,718	100%	2,041,718
Austria	0	0%	1,871,937	100%	1,871,937
New Zealand	1,347,277	73%	494,207	27%	1,841,485
Sweden	0	0%	1,072,774	100%	1,072,774
Czechia	0	0%	931,179	100%	931,179
Taiwan	29,965	3%	840,162	97%	870,127
Denmark	0	0%	678,915	100%	678,915
Portugal	0	0%	592,497	100%	592,497
Philippines	50,999	10%	472,889	90%	523,888
Ukraine	0	0%	463,059	100%	463,059
Korea, South	0	0%	348,576	100%	348,576
Bulgaria	0	0%	260,701	100%	260,701
Turkey	0	0%	251,349	100%	251,349
Ireland	0	0%	203,996	100%	203,996
Viet Nam	0	0%	180,929	100%	180,929
Croatia	0	0%	153,447	100%	153,447
Israel	0	0%	148,019	100%	148,019
India	78,958	70%	33,043	30%	112,000
Chile	0	0%	97,562	100%	97,562
Indonesia	35,278	48%	37,478	52%	72,756
Malaysia	0	0%	68,413	100%	68,413
Cabo Verde	0	0%	52,591	100%	52,591
Brazil	0	0%	52,500	100%	52,500
Montenegro	0	0%	48,479	100%	48,479
Lithuania	0	0%	46,559	100%	46,559
Hong Kong	0	0%	15,595	100%	15,595
Saudi Arabia	5,432	100%	0	0%	5,432
Saint Pierre and Miquelon	758	100%	0	0%	758
FROZEN TOTAL:	81,275,705	28%	213,581,313	72%	294,857,018

Note: Frozen exports excluding the United States total 132,787,553 pounds of which Highbush accounts for 5% of the total (6,629,078 pounds) and Lowbush accounts for 95% of the total (126,158,475 pounds).

Source: Statistics, CATSNET Analytics Canada "Canadian Domestic Exports of Blueberries"

**NORTH AMERICAN BLUEBERRY OFFSHORE EXPORT
2010 - 2019
(000 POUNDS)**

YEAR	NORTH AMERICAN TOTAL PRODUCTION	OFFSHORE EXPORT*	OFFSHORE EXPORT AS % OF PRODUCTION
2010	688,130	92,749	13%
2011	760,280	115,520	15%
2012	841,258	116,461	14%
2013	874,072	102,199	12%
2014	1,062,880	111,082	10%
2015	1,094,665	124,396	11%
2016	1,164,196	119,907	10%
2017	996,060	152,612	15%
2018	1,016,000	163,178	16%
2019	1,247,360	159,662	13%
Ten Year Average 2010-2019	974,490	125,777	13%

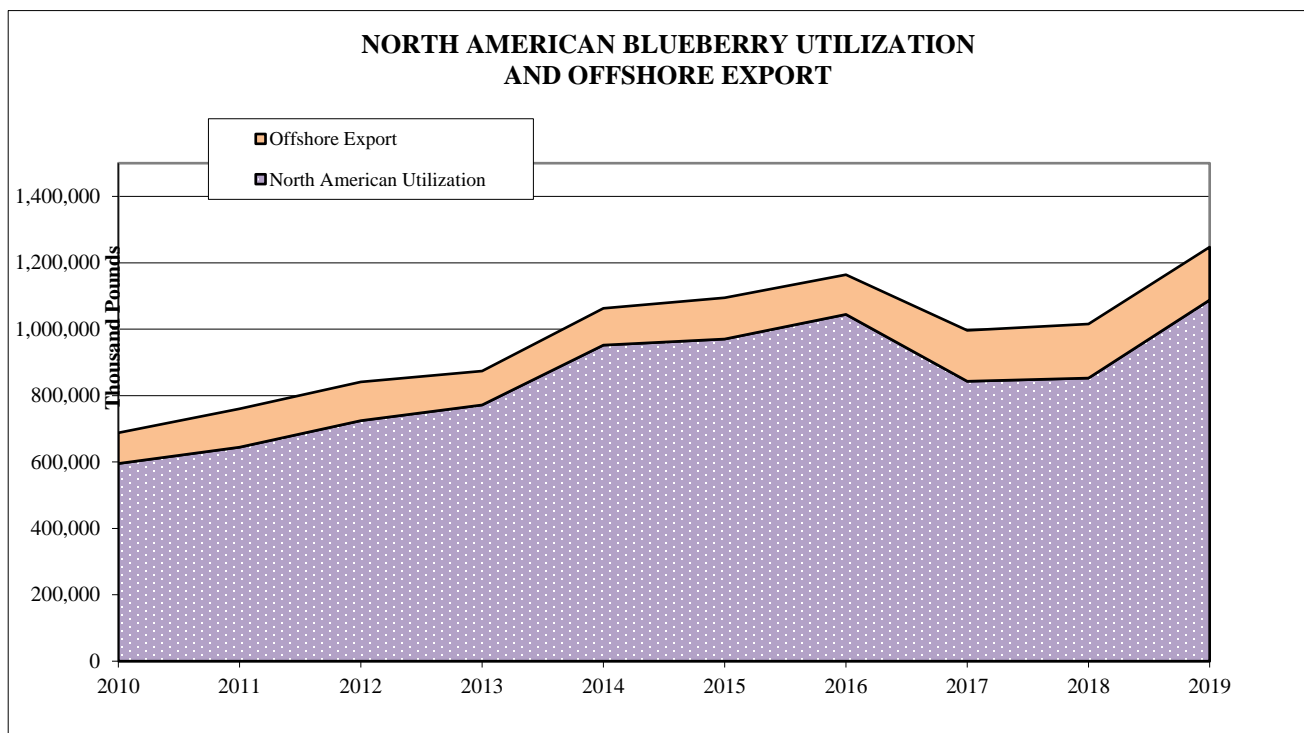
The ten year average for offshore export is the average of blueberry production for those 10 years

North American offshore exports in 2019 total 159,662,368 pounds of which 7,404,806 pounds (5%) were fresh blueberries and 152,257,562 pounds (95%) were frozen blueberries.

*Exports calendar year, fresh and process (excluding U.S. and Canada).

Includes Mexico data from 2010 to date.

Data from area Repts and World Blueberry Statistics & Global Market Analysis.



**NORTH AMERICAN PROCESSED BLUEBERRY CONSUMPTION, ESTIMATED INVENTORY, PRODUCTION, FROZEN MARKET
(000,000 Pounds)**

YEAR	JULY 1				FROZEN				PROCESSED			DOMESTIC	HIGHBUSH	LOWBUSH					
	FROZEN CARRY-IN*	+	PRODUCTION	=	TOTAL SUPPLY	FRESH PRODUCTION	=	PROCESSED AVAILABLE	-	FROZEN CARRY-OUT JUNE 30*	=	PROCESSED CONSUMPTION	OFFSHORE EXPORT	=	PROCESSED CONSUMPTION	FROZEN MARKET**	FROZEN MARKET**		
1989/90	26.8	+	220.9	=	247.7	-	63.8	=	183.9	-	34.8	=	149.1	-	25.0	=	124.1	0.85-0.61	1.01-1.12
1990/91	34.8	+	267.5	=	302.3	-	65.4	=	236.9	-	33.2	=	203.7	-	56.6	=	147.1	0.57-0.71	1.10-0.95
1991/92	33.2	+	243.3	=	276.5	-	62.4	=	214.1	-	41.7	=	172.4	-	58.8	=	113.6	0.74-0.86	.97-1.05
1992/93	41.7	+	281.7	=	323.4	-	55.5	=	267.9	-	47.1	=	220.8	-	40.7	=	180.1	0.92-0.77	0.99-0.85
1993/94	47.1	+	319.8	=	366.9	-	77.4	=	289.5	-	58.8	=	230.7	-	44.6	=	186.1	0.62-0.51	0.85-0.75
1994/95	58.8	+	285.5	=	344.3	-	81.6	=	262.7	-	43.6	=	219.1	-	44.9	=	174.2	0.51-0.59	0.75-0.79
1995/96	43.6	+	321.9	=	365.5	-	90.0	=	275.5	-	31.7	=	243.8	-	50.9	=	192.9	0.48-0.83	0.79-0.88
1996/97	31.7	+	297.1	=	328.8	-	77.3	=	251.5	-	29.3	=	243.8	-	47.6	=	196.2	0.99-1.01	1.00-0.94
1997/98	29.3	+	333.3	=	362.6	-	85.5	=	277.1	-	63.4	=	213.7	-	46.6	=	167.1	0.97-0.63	0.94-0.87
1998/99	63.4	+	288.8	=	352.2	-	94.4	=	257.8	-	33.8	=	224.0	-	57.4	=	166.6	0.60-0.92	0.87-1.50
1999/00	33.8	+	390.0	=	352.2	-	91.8	=	257.8	-	31.4	=	226.4	-	58.2	=	168.2	0.88-1.00	0.50-1.15
2000/01	31.4	+	432.5	=	463.9	-	104.6	=	332.0	-	59.2	=	272.8	-	60.1	=	212.7	0.99-0.83	1.15-0.94
2001/02	59.2	+	418.2	=	477.4	-	112.3	=	359.3	-	69.0	=	300.1	-	56.9	=	243.2	0.78-0.76	0.94-0.68
2002/03	69.0	+	400.4	=	477.4	-	128.6	=	365.1	-	39.6	=	296.1	-	59.5	=	239.2	0.76-1.09	0.78-.90
2003/04	39.6	+	449.9	=	469.4	-	138.1	=	340.8	-	45.4	=	301.2	-	66.1	=	241.7	1.04-1.07	0.90-1.05
2004/05	45.4	+	469.1	=	514.5	-	165.7	=	351.4	-	37.6	=	313.8	-	81.2	=	239.9	1.08-1.18	1.08-1.43
2005/06	37.6	+	462.0	=	499.6	-	162.2	=	337.4	-	35.7	=	301.7	-	74.1	=	227.6	1.13-1.93	1.43-N/A
2006/07	35.7	+	543.7	=	579.4	-	169.9	=	409.5	-	50.3	=	359.2	-	78.3	=	280.9	1.75-2.10	N/A
2007/08	50.3	+	539.0	=	589.3	-	173.4	=	415.9	-	69.3	=	346.6	-	69.1	=	277.5	2.10-1.32	N/A
2008/09	69.3	+	655.2	=	724.5	-	231.9	=	492.6	-	108.5	=	384.1	-	69.2	=	314.9	1.15-0.66	N/A - 1.10
2009/10	108.5	+	685.0	=	793.5	-	282.9	=	510.6	-	76.4	=	434.2	-	65.2	=	369.0	0.65-1.09	1.10 - 1.13
2010/11	76.4	+	688.1	=	764.5	-	299.6	=	464.9	-	76.6	=	388.3	-	84.3	=	304.0	1.09-1.55	1.13 - 1.86
2011/12	76.6	+	760.3	=	836.9	-	331.1	=	505.8	-	109.6	=	396.2	-	105.1	=	291.1	1.68-1.48	1.86-2.00
2012/13	109.6	+	841.3	=	950.9	-	340.0	=	610.9	-	138.1	=	472.8	-	106.1	=	366.7	1.35-1.13	2.00-1.70
2013/14	138.1	+	874.1	=	1,012.2	-	358.8	=	653.4	-	136	=	517.4	-	97.2	=	420.2	1.13-95	1.70-175
2014/15	136.0	+	1,062.9	=	1,198.9	-	413.2	=	785.7	-	177.0	=	608.7	-	100.8	=	507.9	.95-1.05	1.75-NA
2015/16	177.0	+	1,093.7	=	1,270.7	-	390.6	=	880.1	-	210.6	=	669.5	-	114.1	=	555.4	1.20-1.07	N/A
2016/17	210.6	+	1,171.8	=	1,382.4	-	414.8	=	967.6	-	197.2	=	770.4	-	111.72545	=	658.7	1.03-.90	N/A
2017/18	197.2	+	967.8	=	1,165.0	-	486.5	=	678.5	-	133.2	=	545.3	-	142.3	=	403.0	.90-1.10	N/A
2018/19	133.2	+	996.1	=	1,129.3	-	580.6	=	548.7	-	124.6	=	424.1	-	154.4	=	269.7	.875-1.1	N/A
2019/20	124.6	+	1,016.0	=	1,140.6	-	543.3	=	597.3	-	235.2	=	362.1	-	152.3	=	209.8	0.85-0.92	N/A

YoY Compare 2019/20 vs. 2018/19

-6.5%	2.0%	1.0%	-6.4%	8.9%	88.8%	-14.6%	-1.4%	-22.2%
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5 Year Average 2015/16-2019/20

168.5	+	1,049.1	=	1,217.6	-	483.2	=	734.4	-	180.2	=	554.3	-	135.0	=	419.3
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* Beginning with 1995/96 crop year, figures are estimates based on actual U.S. cold storage inventory figure and estimate of Canadian total based upon historic percentages.

**Average July price versus average June price (following year) for Michigan (highbush) and Maine (lowbush) as reported by [Food Institute Report](#), estimates for months when data not available.

Note: Food Institute did not report lowbush from January 2006 through 2008 or 2016 through Current

Data revised per USDA/NASS "Non-citrus Fruit & Nuts Summary" - June and Stats Canada - May

TOTAL NORTH AMERICAN CONSUMPTION

1991 - 2019

(1,000's Pounds)

	Total Fresh Production		Fresh Offshore Exports		Fresh Offshore Imports		Domestic Fresh Consumption		Domestic Process Consumption		Process Offshore Imports		Total North American Consumption	North American Per Capita Consumption (POUNDS)
1991	62,400	-	1,432	+	707	=	61,675	+	113,600	+	3	=	175,278	0.63
1992	55,502	-	1,474	+	701	=	54,729	+	180,100	+	18	=	234,847	0.83
1993	77,367	-	1,540	+	1,112	=	76,939	+	186,100	+	11	=	263,050	0.92
1994	81,644	-	1,764	+	1,011	=	80,891	+	174,200	+	32	=	255,123	0.88
1995	90,000	-	2,201	+	2,048	=	89,847	+	192,900	+	27	=	282,774	0.97
1996	77,310	-	2,583	+	2,603	=	77,330	+	174,600	+	133	=	252,063	0.85
1997	85,549	-	2,107	+	3,192	=	86,634	+	167,100	+	419	=	254,153	0.85
1998	94,363	-	2,881	+	4,257	=	95,739	+	166,600	+	637	=	262,976	0.88
1999	91,831	-	3,649	+	5,739	=	93,921	+	242,400	+	549	=	336,870	1.11
2000	104,630	-	3,541	+	8,107	=	109,196	+	240,000	+	530	=	349,726	1.12
2001	112,300	-	3,058	+	10,150	=	119,392	+	239,200	+	490	=	359,082	1.14
2002	128,600	-	3,974	+	14,471	=	139,097	+	241,700	+	663	=	381,460	1.20
2003	138,100	-	3,049	+	14,316	=	149,367	+	239,900	+	1,259	=	390,526	1.21
2004	165,700	-	3,317	+	25,952	=	188,335	+	230,000	+	921	=	419,256	1.29
2005	162,200	-	6,367	+	28,780	=	184,613	+	227,600	+	2,478	=	414,691	1.26
2006	169,900	-	5,979	+	43,100	=	207,021	+	280,900	+	5,008	=	492,929	1.49
2007	173,400	-	4,428	+	58,072	=	227,044	+	277,500	+	6,539	=	511,083	1.53
2008	231,860	-	5,154	+	91,521	=	318,227	+	314,900	+	12,264	=	645,391	1.91
2009	282,927	-	6,704	+	105,434	=	381,657	+	369,000	+	12,190	=	762,847	2.24
2010	299,641	-	8,496	+	145,186	=	436,331	+	299,000	+	13,865	=	749,196	2.18
2011	331,095	-	10,439	+	180,650	=	501,306	+	282,300	+	45,633	=	829,239	2.40
2012	340,415	-	10,344	+	122,624	=	452,695	+	354,100	+	36,036	=	842,831	2.42
2013	353,176	-	11,111	+	188,799	=	530,864	+	401,000	+	40,474	=	972,338	2.77
2014	413,213	-	9,986	+	157,885	=	561,112	+	505,900	+	33,185	=	1,100,197	3.14
2015	390,368	-	10,276	+	201,211	=	581,303	+	551,600	+	37,140	=	1,170,043	3.21
2016	414,795	-	8,182	+	298,119	=	704,732	+	651,028	+	44,664	=	1,400,424	3.39
2017	486,500	-	10,859	+	280,965	=	756,606	+	403,000	+	38,721	=	1,198,327	3.57
2018	580,598	-	8,775	+	352,460	=	924,283	+	269,662	+	49,311	=	1,243,256	3.40
2019	543,275	-	7,405	+	440,073	=	975,943	+	209,847	+	55,023	=	1,240,814	3.38

NORTH AMERICAN POPULATION 1990 to 2019 (millions)

YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<i>Canada</i>	27.8	28.1	28.5	28.9	29.3	29.6	29.7	30.0	30.2	30.5	30.8	31.1
<i>USA</i>	249.5	252.2	255.0	257.8	260.3	262.8	265.2	267.8	270.2	272.7	281.4	284.8
North American Total:	277.3	280.3	283.5	286.7	289.6	292.4	294.9	297.8	300.4	303.2	312.2	315.9

YEAR	2002	2003	2004	2005	2006	2007	2008	2009	#	2011	2012	2013	2014
<i>Canada</i>	31.3	31.6	31.9	32.2	32.6	32.9	33.3	33.7	#	34.5	34.9	35.3	35.5
<i>USA</i>	287.4	291.5	293.6	296.5	299.1	302.2	304.5	306.8	#	311.7	313.9	316.2	317.7
North American Total:	318.7	323.1	325.5	328.7	331.7	335.1	337.8	340.5	#	346.2	348.8	351.5	353.2

YEAR	2015	2016	2017	2018	2019
<i>Canada</i>	35.8	36.2	36.7	37.2	37.4
<i>USA</i>	321.2	323.9	325.4	328	329.2
North American Total:	357.0	360.1	362.1	365.2	366.6

Source: Population Reference Bureau (www.prb.org) Includes Mexico as of 2014

*Data revised per USDA/NASS "Non-citrus Fruit & Nuts Summary" and Stats Canada - July

**U.S. BLUEBERRY UTILIZATION - HIGHBUSH AND LOWBUSH
2015 - 2020
(Millions of Pounds)**

CROP YEAR PROJECTION

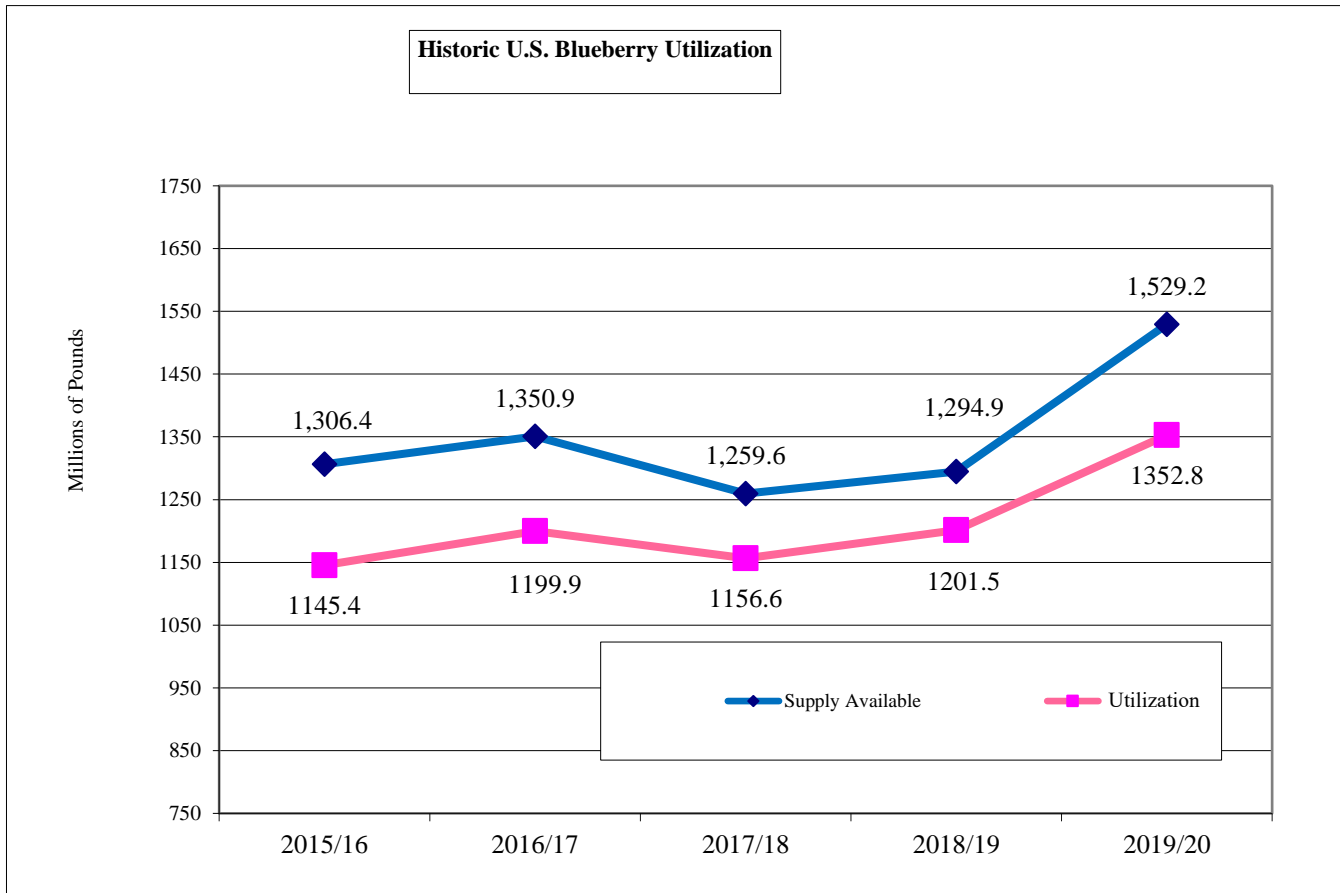
	2015/16	2016/17	2017/18	2018/19	2019/20
July 1st Frozen Carry In	132.7	161.0	151.0	103.0	93.4
+ Frozen Imports (7/1 to 6/30)	161.4	159.2	155.0	184.4	210.3
+ Fresh Imports (7/1 to 6/30)	297.5	331.7	356.7	407.5	468.7
+ US Production	714.8	699.0	596.9	600.0	756.9
= Supply Available	1,306.4	1,350.9	1,259.6	1,294.9	1,529.2
- Fresh Domestic Consumption (7/1 to 6/30) ^{1/}	529.2	640.1	672.7	806.4	850.8
- Frozen Domestic Consumption (7/1 to 6/30)	566.4	506.1	430.2	355.0	443.3
- Frozen Exports (7/1 to 6/30)	49.8	53.7	53.7	40.1	58.7
= June 30th Frozen Carry Out	161.0	151.0	103.0	93.4	176.4

* Numbers revised per USDA/ERS

Exports include shipments to Canada, Imports include shipments from Canada

^{1/} Fresh domestic consumption = total U.S. fresh production + fresh imports - fresh exports.

[^] Includes Organic

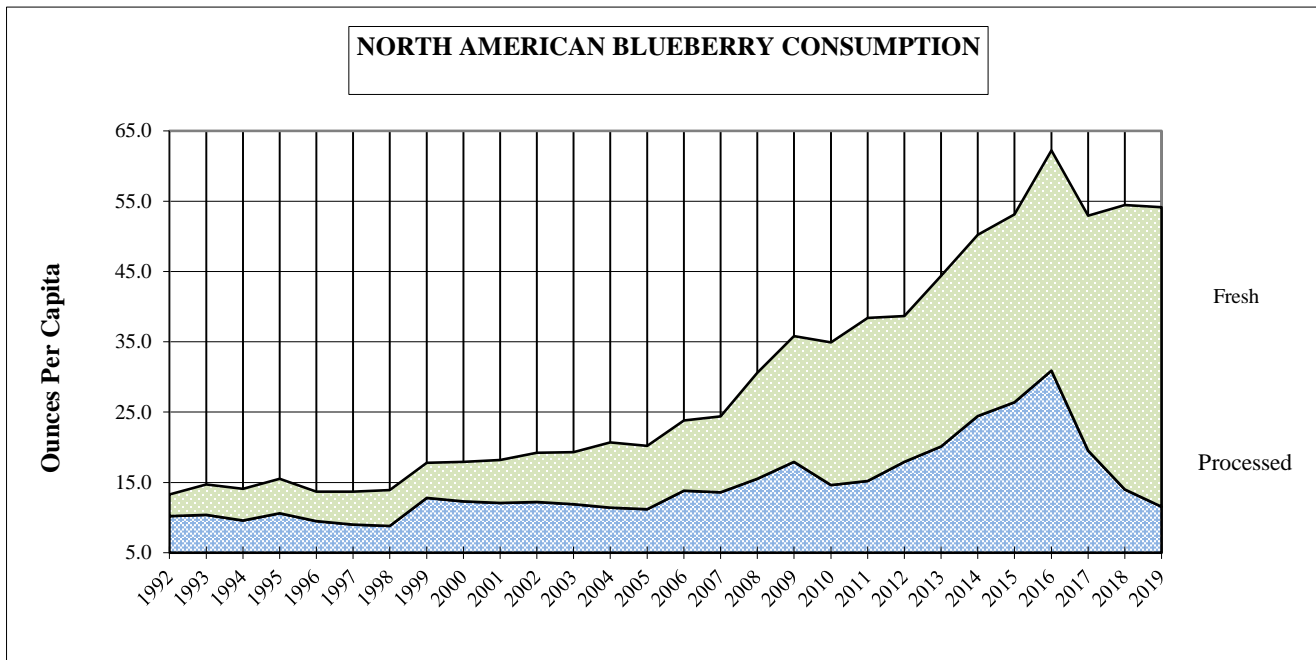


**NORTH AMERICAN BLUEBERRY CONSUMPTION
1992 - 2019**

DOMESTIC PER CAPITA CONSUMPTION OF FRESH & PROCESSED BLUEBERRIES

(Includes Offshore Imports)

YEAR	FRESH BLUEBERRIES		PROCESSED BLUEBERRIES		CONSUMPTION	
	POUNDS	OUNCES	POUNDS	OUNCES	POUNDS	OUNCES
1992	0.193	3.1	0.635	10.2	0.83	13.3
1993	0.268	4.3	0.649	10.4	0.92	14.7
1994	0.280	4.5	0.602	9.6	0.88	14.1
1995	0.308	4.9	0.660	10.6	0.97	15.5
1996	0.262	4.2	0.593	9.5	0.86	13.7
1997	0.291	4.7	0.563	9.0	0.85	13.7
1998	0.319	5.1	0.553	8.8	0.87	13.9
1999	0.310	5.0	0.801	12.8	1.11	17.8
2000	0.350	5.6	0.771	12.3	1.12	17.9
2001	0.378	6.1	0.759	12.1	1.14	18.2
2002	0.437	7.0	0.761	12.2	1.20	19.2
2003	0.462	7.4	0.746	11.9	1.21	19.3
2004	0.579	9.3	0.709	11.4	1.29	20.7
2005	0.562	9.0	0.700	11.2	1.26	20.2
2006	0.624	10.0	0.862	13.8	1.49	23.8
2007	0.678	10.8	0.848	13.6	1.53	24.4
2008	0.942	15.1	0.969	15.5	1.91	30.6
2009	1.121	17.9	1.120	17.9	2.24	35.8
2010	1.270	20.3	0.910	14.6	2.18	34.9
2011	1.448	23.2	0.947	15.2	2.40	38.4
2012	1.297	20.8	1.119	17.9	2.42	38.7
2013	1.526	24.3	1.327	20.1	2.85	44.4
2014	1.613	25.8	1.526	24.4	3.14	50.2
2015	1.671	26.7	1.649	26.4	3.32	53.1
2016	1.957	31.3	1.932	30.9	3.89	62.2
2017	2.089	33.4	1.220	19.5	3.31	53.0
2018	2.531	40.5	0.873	14.0	3.40	54.5
2019	2.662	42.6	0.723	11.6	3.38	54.2

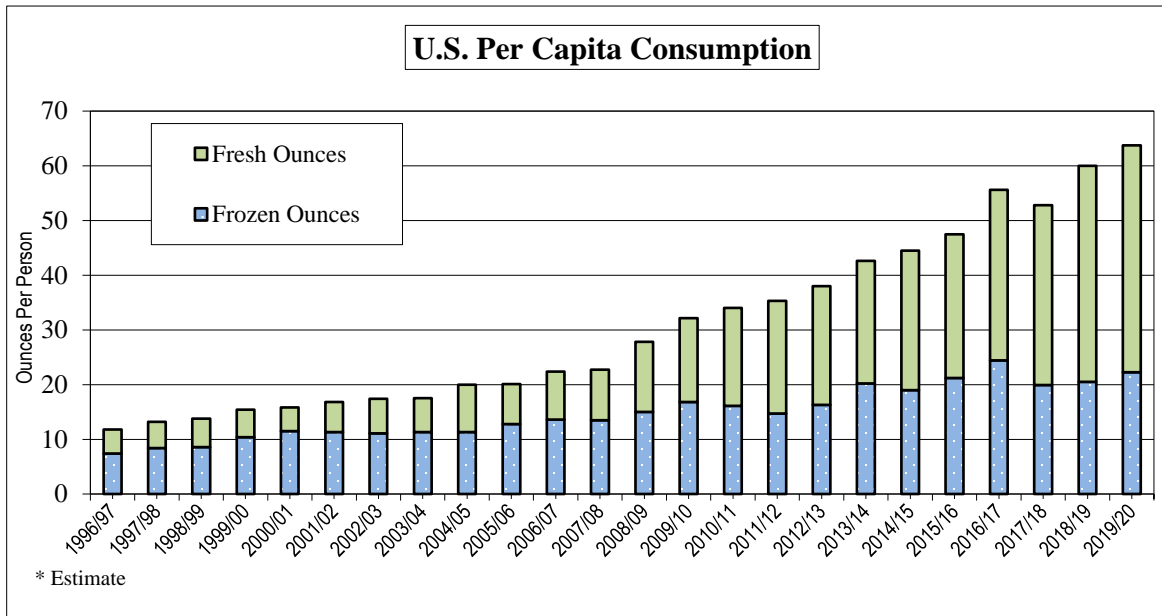


U.S. PER CAPITA CONSUMPTION 1996 - 2020

Crop Year	<u>FRESH BLUEBERRIES</u>		<u>PROCESSED BLUEBERRIES ^</u>		<u>TOTAL CONSUMPTION</u>	
	Fresh Pounds	Fresh Ounces	Frozen Pounds	Frozen Ounces	Pounds	Ounces
1996/97	0.274	4.4	0.463	7.4	0.74	11.8
1997/98	0.3	4.8	0.523	8.4	0.82	13.2
1998/99	0.326	5.2	0.534	8.6	0.86	13.8
1999/00	0.313	5	0.651	10.4	0.96	15.4
2000/01	0.266	4.3	0.719	11.5	0.99	15.8
2001/02	0.346	5.5	0.703	11.3	1.05	16.8
2002/03	0.394	6.3	0.691	11.1	1.09	17.4
2003/04	0.39	6.2	0.709	11.3	1.10	17.5
2004/05	0.542	8.7	0.707	11.3	1.25	20.0
2005/06	0.454	7.3	0.8	12.8	1.25	20.1
2006/07	0.552	8.8	0.850	13.6	1.40	22.4
2007/08	0.574	9.2	0.846	13.5	1.42	22.7
2008/09	0.802	12.8	0.936	15.0	1.74	27.8
2009/10	0.959	15.3	1.051	16.8	2.01	32.1
2010/11	1.119	17.9	1.009	16.1	2.13	34.0
2011/12	1.288	20.6	0.917	14.7	2.21	35.3
2012/13	1.355	21.7	1.021	16.3	2.38	38.0
2013/14	1.399	22.4	1.259	20.2	2.66	42.6
2014/15	1.594	25.5	1.189	19.0	2.78	44.5
2015/16	1.641	26.3	1.326	21.2	2.97	47.5
2016/17	1.950	31.2	1.527	24.4	3.48	55.6
2017/18	2.055	32.9	1.245	19.9	3.30	52.8
2018/19	2.471	39.5	1.281	20.5	3.75	60.0
2019/20	2.593	41.5	1.392	22.3	3.98	63.8

(Crop Year = July 1 to June 30)

^Highbush & Lowbush



PRICE TRENDS FROZEN BLUEBERRIES
1994 - 2019
CENTS PER POUND - F.O.B. PRICES - 30 POUND CARTONS

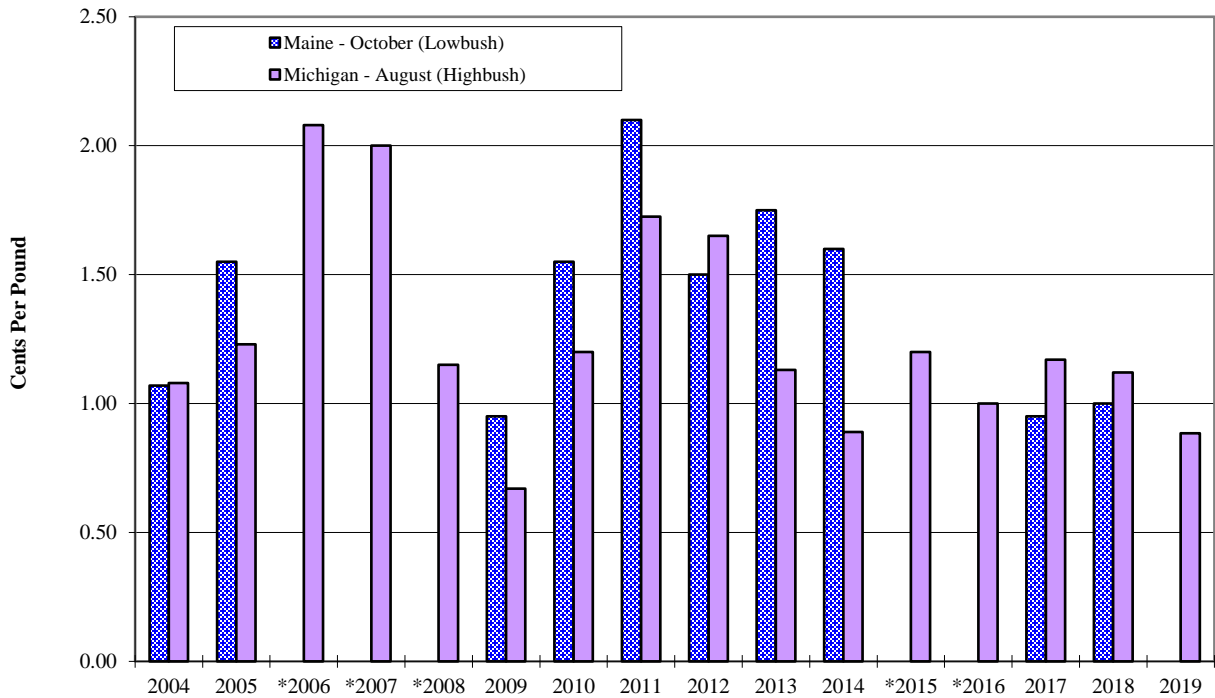
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1994	Michigan	50-54	50-54	50-52	50-52	50-52	50-52	50-52	58-60	58	59	60	60
	Maine	69	69	69	75	75	75	75	*	76-78	78	79-81	79-81
1995	Michigan	60	60	60	58-60	58-60	58-60	48	50	55-58	58-60	64-65	67-70
	Maine	78-80	78-80	78-80	78-80	78-80	78-80	*	*	78-80	78-80	80-83	80-85
1996	Michigan	68-72	70-72	75	78-80	78-80	80-85	98-99	105-110	105-110	105-108	110-112	110
	Maine	80-85	85	85	85-90	85-90	85-90	*	*	110-115	110-115	115	115-118
1997	Michigan	107-110	110-112	110-112	108	108	*	*	92-95	89-90	80-85	78-80	75-79
	Maine	115-118	115-118	110-114	110-118	110-118	92-95	92-95	98	95-98	90-95	90-92	90-92
1998	Michigan	65-70	61-66	62-68	62-65	60-65	60-65	60	75-79	79	80-82	80-82	85
	Maine	91-93	87-92	87-92	87-92	85-88	85-88	85-88	85-88	110-112	110-112	110-112	115
1999	Michigan	92-97	92-97	92-97	88-92	88-92	88-95	*	85-87	88-90	97-100	97-100	104-110
	Maine	125-140	125-140	125-140	150	150	150	150	*	115-120	115-120	115-120	115-120
2000	Michigan	105-110	105-110	115-120	114-120	*	*	*	95-97	95-97	95-97	95-97	97-98
	Maine	115-120	115-120	120	120	120	*	*	*	106-110	106-110	106-110	106-110
2001	Michigan	*	*	87-89	87-89	87-89	*	77-79	74-76	72-75	72-75	72-75	65-75
	Maine	*	*	90-93	90-93	90-93	*	94-95	*	80-85	*	82-85	*
2002	Michigan	62-68	64-68	64-68	74-78	74-78	75-77	74-78	80-84	80-86	85-88	94-96	85-90
	Maine	90-100	90-100	80-94	68	*	68	*	*	87-90	65-83	78-82	75-78
2003	Michigan	85-90	110-115	110-115	110-115	110-115	106-112	100-108	105-110	100-110	110-115	112-115	100-115
	Maine	75-78	84-88	84-88	84-88	85-90	85-95	85-95	95-100	95-100	95-110	100-110	100-110
2004	Michigan	110-115	110-115	110-115	*	115-120	*	*	105-110	112-115	110-115	112-115	112-115
	Maine	100-110	100-110	103-105	103-105	100-110	*	*	105-110	105	107	107	107
2005	Michigan	115-116	117-118	117-122	120-125	120-125	*	110-115	120-125	130-150	160-175	173-176	185-190
	Maine	*	125-135	140-145	140-145	140-145	*	*	*	142-145	150-160	*	*
**2006	Michigan	195-205	205-215	205-215	*	*	*	170-180	200-215	205-215	210-215	215-220	220-225
	Maine	*	*	*	*	*	*	*	*	*	*	*	*
**2007	Michigan	220-225	220-225	220-225	210	210	210	210	200	200	179-200	176-185	175-182
	Maine	*	*	*	*	*	*	*	*	*	*	*	*
**2008	Michigan	165	165	168	159	145	132	115	115	120	110	95	93
	Maine	*	*	*	*	*	*	*	*	*	*	*	*
2009	Michigan	85	79	65	65	63	66	65	67	68	69	70	70
	Maine	150	150	150	*	*	*	110	110	95	95	*	*
2010	Michigan	72	75	92	100	97	*	*	120	165	*	*	*
	Maine	*	*	*	85	85	*	*	140	155	155	160	160
2011	Michigan	170-180	*	170-180	150-160	150-160	150-160	165-170	170-175	200-205	200-210	175-185	175-185
	Maine	*	*	165-170	*	*	*	*	*	205	210	209-215	209-215
2012	Michigan	165-175	165-175	160-165	160-165	*	145-150	120-150	160-170	140-150	145	145	145
	Maine	*	*	200	200	*	200	*	140	130-140	125-175	125-175	125-175
2013	Michigan	*	*	*	100-125	110-115	110-115	110-115	110-115	105-120	105-120	105-120	105-120
	Maine	120-125	120-125	165-175	165-175	165-175	165-175	165-175	160-165	175	175	175	175
2014	Michigan	105-120	98-110	95	95	95	95	95	89	110-120	110-120	*	*
	Maine	175	175	175	175	175	175	175	191	160	160	*	*
2015	Michigan	*	110-125	110-120	110-120	105-110	100-110	110-130	115-125	115-125	115-125	115-125	115-125
	Maine	*	*	*	*	*	*	*	*	*	*	*	*
2016	Michigan	*	*	115-125	115-125	115-125	105-112	100-105	95-105	95-105	95-105	95-105	95-105
	Maine	130	*	*	*	*	*	*	*	*	*	*	*
^2017	Michigan	.85-.90	.85-.90	.85-.90	.85-.90	.85-.90	.85-.90	.85-.90	110-125	105-125	105-120	105-120	105-120
	Maine	0.88	0.89	0.9	0.9	0.9	0.9	0.9	*	*	0.95	0.95	0.95
2018	Michigan	.95-1.10	.95-1.10	.95-1.15	1.00-1.15	.95-1.15	1.05-1.15	1.10-1.20	1.10-1.15	.95-1.10	1.00-1.15	1.00-1.15	1.00-1.15
	Maine	*	*	*	*	*	*	*	*	1	1	1	1
2019	Michigan	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92	0.85-0.92
	Maine	*	*	*	*	*	*	*	*	*	*	*	*

Source: Food Institute Report, January current year, "Price Trends of Frozen Fruits Blueberries"

* = No prices quoted **Note: Food Institute did not report Maine figures from 2006 through 2008 & 2015 to 2016. ^

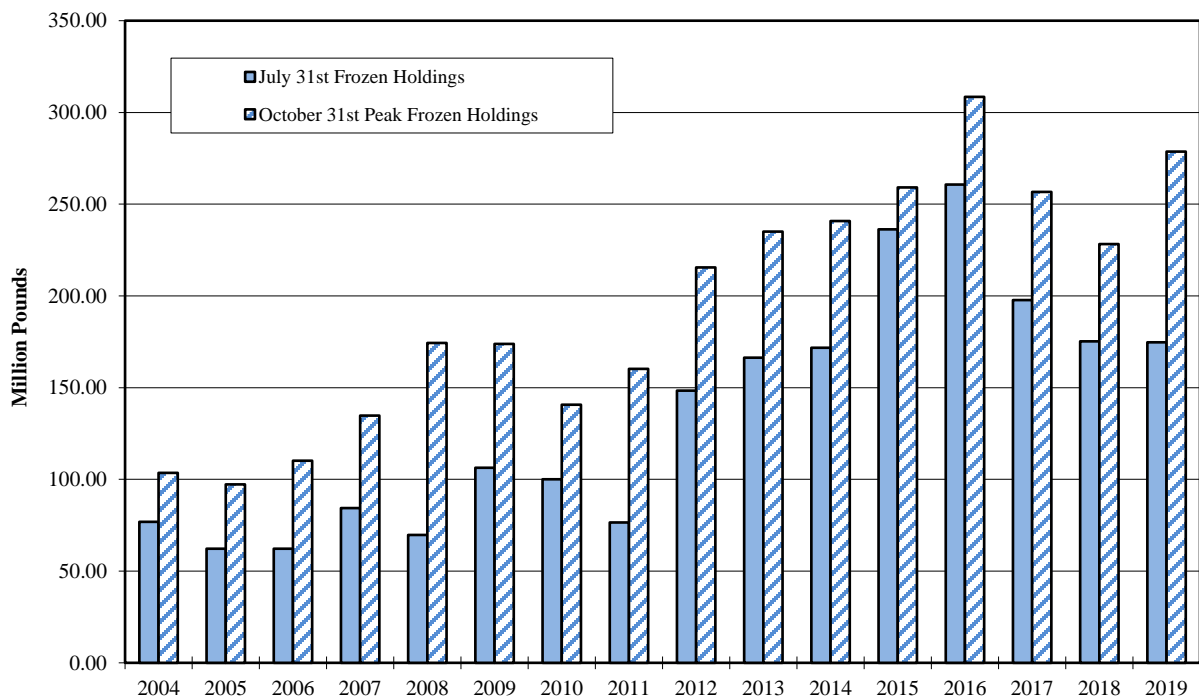
Revised with Food Institute Report, January, "Price Trends of Frozen Fruits Blueberries"

**FROZEN BLUEBERRY OPENING MARKET
2004 - 2019**



(Source: Food Institute Report - January 2019)
* Note: Food Institute did not report Maine Lowbush figures from 2006 through 2008, 2015-2016

U.S. COLD STORAGE HOLDINGS JULY VS. OCTOBER



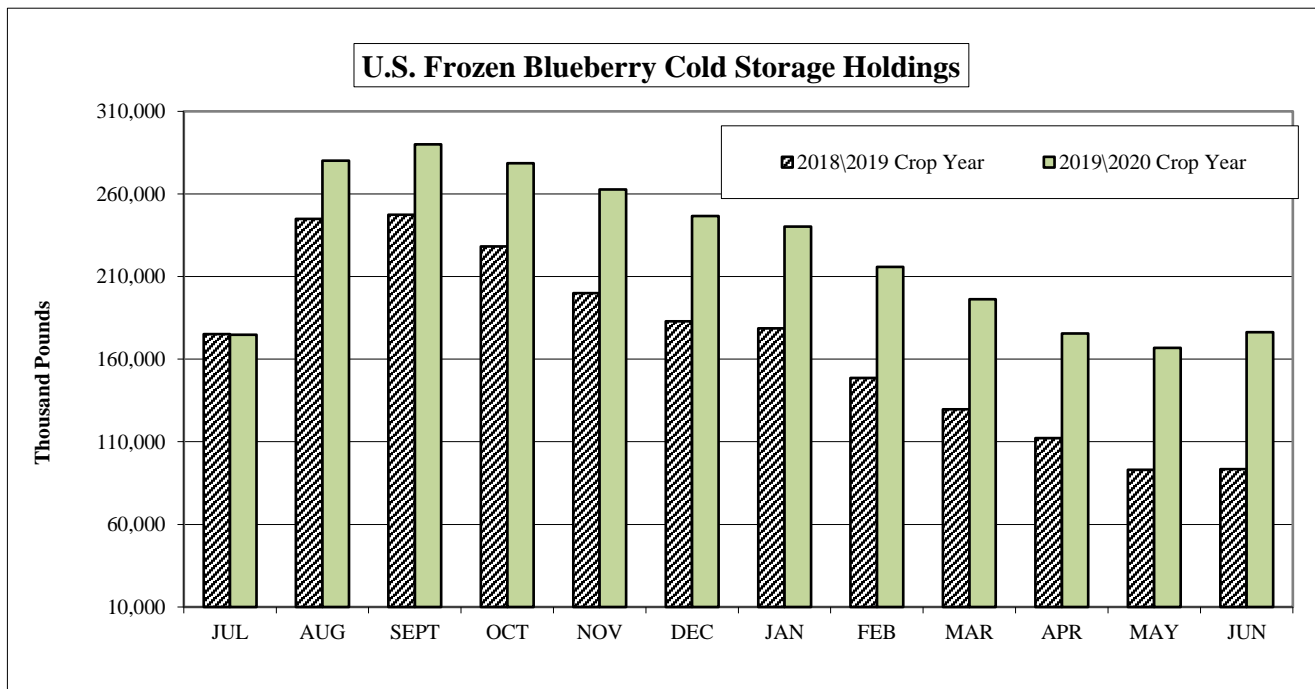
(Source: Public Cold Storage as reported to USDA/NASS)

**UNITED STATES FROZEN BLUEBERRY COLD STORAGE HOLDINGS
CROP YEAR / (000 POUNDS)**

	<i>JULY</i>	<i>AUG</i>	<i>SEPT</i>	<i>OCT</i>	<i>NOV</i>	<i>DEC</i>		<i>JAN</i>	<i>FEB</i>	<i>MAR</i>	<i>APR</i>	<i>MAY</i>	<i>JUNE</i>
1991	42,608	87,158	86,874	83,623	75,499	66,056	1992	60,711	53,794	43,966	37,559	31,884	28,679
1992	38,309	70,485	97,148	91,789	86,286	79,603	1993	69,058	60,952	52,011	45,550	38,605	30,266
1993	34,798	107,595	115,614	105,609	97,882	91,786	1994	88,817	77,475	68,310	56,631	48,652	41,407
1994	51,592	116,209	112,217	93,695	84,830	78,307	1995	70,955	61,018	57,130	46,925	39,462	32,192
1995	37,335	95,570	98,555	85,104	81,593	72,813	1996	60,590	55,911	47,192	38,532	29,363	23,786
1996	33,950	81,006	82,105	71,317	66,381	60,126	1997	55,782	47,892	39,023	32,624	25,661	21,968
1997	38,753	94,398	114,948	102,497	96,928	87,345	1998	83,353	74,665	64,026	60,136	51,593	47,537
1998	70,454	102,064	94,197	88,827	77,259	67,443	1999	60,759	52,951	48,402	40,093	28,603	25,358
1999	47,525	103,184	95,381	81,845	69,999	58,981	2000	52,814	44,814	38,794	30,697	24,137	23,584
2000	52,295	109,252	110,199	99,301	93,553	85,105	2001	77,392	68,791	63,218	53,932	46,978	44,407
2001	62,904	128,534	134,814	120,955	111,814	100,526	2002	91,259	84,492	75,051	66,635	56,245	51,746
2002	66,429	120,995	119,604	111,364	100,274	88,705	2003	76,903	65,843	56,836	48,226	35,299	29,733
2003	43,247	104,450	88,912	86,071	84,355	76,834	2004	69,985	63,981	51,158	43,190	37,504	34,073
2004	76,874	113,322	110,057	103,575	93,845	85,109	2005	77,105	68,419	53,737	41,516	34,673	28,198
2005	62,282	111,198	109,229	97,204	88,008	77,360	2006	68,466	58,754	47,039	36,613	28,909	26,785
2006	62,220	123,072	114,351	110,139	99,826	98,719	2007	83,196	75,709	65,398	56,362	45,921	37,700
2007	84,342	154,880	147,570	134,715	125,577	114,114	2008	100,696	94,652	78,106	66,604	58,282	51,960
2008	69,783	172,145	182,478	174,334	164,703	153,445	2009	141,089	130,964	115,615	100,820	87,790	81,404
2009	106,327	189,893	189,628	173,849	154,647	141,883	2010	123,579	109,095	93,342	75,482	61,331	57,332
2010	100,100	163,387	155,105	140,707	129,877	116,485	2011	104,091	93,103	80,016	65,583	50,865	57,467
2011	76,551	167,015	174,805	160,156	147,757	136,966	2012	124,003	114,066	96,723	85,700	73,717	82,218
2012	148,315	238,510	234,207	215,588	196,702	171,296	2013	165,932	152,187	137,358	119,814	100,876	103,599
2013	166,382	260,094	251,279	235,007	217,393	201,834	2014	172,718	150,626	130,825	117,065	98,716	102,012
2014	171,661	269,537	265,303	240,830	229,225	208,324	2015	187,523	166,469	152,745	133,836	119,328	132,732
2015	236,349	273,614	280,085	259,198	245,754	224,696	2016	211,459	191,351	164,927	154,142	145,414	157,928
2016	260,675	315,436	332,379	308,554	294,135	268,895	2017	241,874	223,298	195,417	184,367	157,140	147,914
2017	197,723	276,632	266,243	256,727	230,843	222,060	2018	192,354	162,564	134,469	116,387	96,891	99,912
2018	175,163	244,902	247,396	228,308	199,883	182,857	2019	178,750	148,696	129,739	112,147	92,992	93,422
2019	174,711	280,075	290,020	278,570	262,652	246,625	2020	240,304	215,903	196,198	175,610	166,842	176,415

Figures are from the last day of the month.

Source: Figures from Public Cold Storage reported to the USDA/NASS



**UNITED STATES FROZEN BLUEBERRY MOVEMENT
CROP YEAR 2010 - 2019
(000,000 POUNDS)
CROP YEAR PRESENTATION**

	<u>JULY</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUNE</u>	<u>TOTAL*</u>
2010/11	+42.8	+63.3	-8.3	-14.4	-10.8	-13.4	-12.4	-11.0	-13.1	-14.4	-14.7	+6.6	-112.5
2011/12	+19.1	+90.5	+7.8	-14.6	-12.4	-10.8	-13.0	-9.9	-17.3	-11.0	-12.0	+8.5	-101.0
2012/13	+66.1	+90.2	-4.3	-18.6	-18.9	-25.4	-5.4	-13.7	-14.8	-17.5	-18.9	+2.7	-137.5
2013/14	+62.8	+93.7	-8.8	-16.3	-17.6	-15.6	-29.1	-22.1	-19.8	-13.8	-18.3	+3.3	-161.4
2014/15	+68.6	+97.9	-4.2	-24.5	-11.6	-20.9	-20.8	-21.1	-13.7	-18.9	-14.5	+12.4	-150.2
2015/16	+104.7	+37.3	+6.5	-20.9	-13.4	-21.1	-13.2	-20.1	-26.4	-10.8	-8.7	+13.0	-134.6
2016/17	+102.7	+54.8	+16.9	-23.8	-14.4	-25.2	-27.0	-18.6	-27.9	-11.1	-27.2	-9.2	-175.2
2017/18	+49.8	+78.9	+10.2	-9.7	-25.9	-8.8	-29.7	-29.8	-28.1	-18.1	-19.5	+3.0	-169.6
2018/19	+75.3	+69.7	+2.5	-19.1	-28.3	-17.1	-4.1	-30.1	-19.0	-17.6	-19.2	+0.4	-154.5
2019/20	+81.3	+105.4	+9.9	-11.5	-15.9	-16.0	-6.3	-24.4	-19.7	-20.6	-8.8	+9.6	-123.2

10 Year Average

+67.3	+78.2	+2.8	-17.3	-16.9	-17.4	-16.1	-20.1	-20.0	-15.4	-17.0	+6.6	-142.0
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3 Year Average

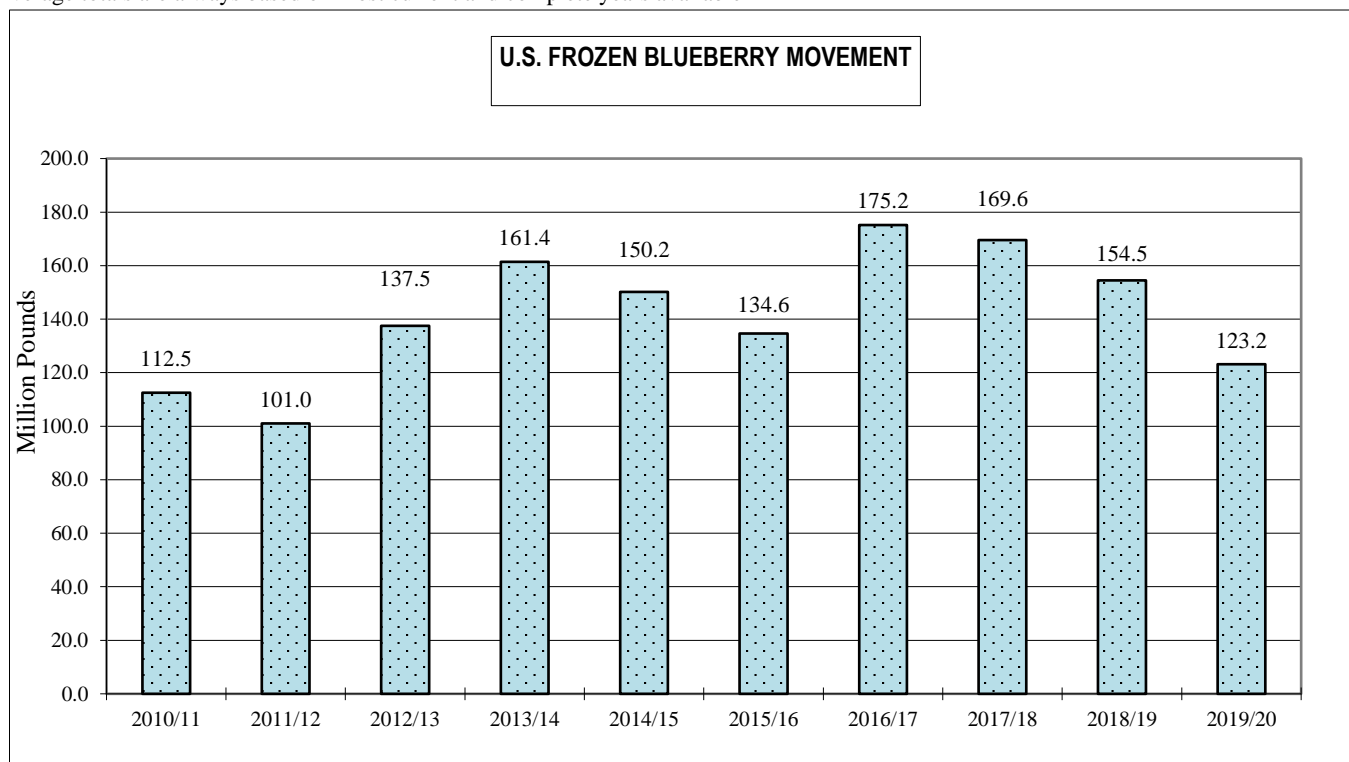
+68.8	+84.7	+7.5	-13.4	-23.4	-14.0	-13.4	-28.1	-22.3	-18.8	-15.8	+4.3	-149.1
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Figures are from the last day of the month.

*Total Seasonal Consumption = Total of consumption (-) figures for the season.

** Preliminary number.

Average totals are always based on most current and complete years available.



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