

Alaska Agricultural Statistics 2020 Annual Bulletin

Compiled by the
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REPORTS AVAILABLE:

Alaska Farm Reporter – Approximately 4 times a year, Alaska Crop Weather - Weekly (May – Sept.).
 Contact by phone: 1-907-745-4272, email: nassrfo_nwr@nass.usda.gov, or write to:
 Alaska Agricultural Statistics Service, P.O. Box 799, Palmer, AK 99645

or

View our Alaska reports on the Internet at http://www.nass.usda.gov/Statistics_by_State/Alaska/
 All NASS Reports can also be found at <http://www.nass.usda.gov/index.asp>
 Data from past years can be obtained by viewing one of the above websites or by calling to request the data.

Revision Policy of the National Agricultural Statistics Service (NASS):

Most estimates are subject to revision, if necessary, when the next estimate is prepared. Revisions are made to provide data users with the best possible data for evaluating the current estimates. Revisions are based on additional data, such as new surveys, late reports, corrected data or more complete administrative data. Revisions may also be based on a re-evaluation of previous survey data when making current estimates to improve survey-to-survey relationships. When the Census of Agriculture becomes available every 5 years, all estimates made during these 5 years are reviewed for possible revisions. After reviewing estimates with Census data, there are no further revisions to NASS estimates. This publication generally contains eight years of data. The estimates for the next to last year may have been revised since the previous issue of this publication. Additionally, the estimates for the most recent year may be revised after this publication is printed.

ALASKA WEATHER SUMMARY – 2019

The winter of 2018/2019 was significantly warmer than normal across the major growing areas of the state. October saw record-breaking temperature across Alaska. November temperatures were generally well above normal. December temperatures were cooler than previous months but still warmer than normal in many locations. Temperatures in January and February continued to be above normal. March temperatures were 10 to 15 degrees warmer than normal in the Mat-Su and Tanana Valleys. Precipitation varied by location and month. Delta Junction, however, was drier than normal between October 2018 and May 2019. Southcentral and the Kenai Peninsula were wetter than normal at the end of 2018, while Fairbanks was at or below normal. The first three months of 2020 were drier than normal in Southcentral and the Kenai but wetter than normal in Fairbanks. April in most locations was wetter than normal, with the exception of Delta Junction.

As a whole, 2019 was the warmest on record for Alaska. Fires had an impact on air quality around the state during the summer. Southeast experienced a rare drought during the spring that ran through the end of the year. The Interior saw drought conditions in July, while Southcentral and the Kenai saw drought conditions in August. Another notable event was the magnitude 7 earthquake on November 30, 2018 near Anchorage.

The pattern of warmer than normal temperatures carried over into the start of the 2019 growing season. May precipitation varied but was generally at or above normal except in Southeast. By the end of May, fieldwork was slightly ahead of schedule. The barley crop was 95% planted and 60% emerged. Five-year averages for that date are 93% planted, 22% emerged. Oats were 100% planted and 50% emerged. Five-year averages for that date are 85% planted, 20% emerged. Potatoes were 85% planted; the five-year average is 64% planted.

June temperatures continued warmer than normal across the state. Precipitation was generally lower than normal in the major growing areas with the exception of Fairbanks that was near normal and the Mat-Su, which was above normal. By month's end barley was 10% headed, oats 35% in-boot, potatoes 100% emerged and the first cutting hay harvest was 60% complete; all at or above the five-year averages.

July temperatures were extremely warm throughout the state. Daily record highs were set in a number of locations. Precipitation was generally lower than normal, with Delta Junction, Fairbanks, Anchorage and Juneau with less than 50% of normal precipitation. First cutting hay was 98% complete by the end of July; the five-year average is 84%. Barley was 50% turning color, while oats were 60% in dough. Five-year averages are barley 21% turning color and oats 37% in dough.

August temperatures were above normal again for most of the major growing areas with the exception of the Interior which saw slightly lower than normal temperatures. Precipitation was well below normal for the southern part of the state but well above normal for the Interior where flooding was reported. Delta Junction and Fairbanks both recorded their third wettest August on record. The end of August had barley 30% harvested and oats 60% ripe. The five-year averages are 22% barley harvested and 39% oats ripe. Second cutting hay harvest was 50% complete; the five year average is 27% harvested. Potatoes were 30% harvested; the five-year average is 9% harvested.

September was significantly warmer than normal across the state. Precipitation was above normal in Southcentral and the Kenai Peninsula, however, the Tanana Valley and Southeast were below normal. Drought conditions continued in Southeast, Southcentral and Kodiak per the U.S. Drought Monitor. By the end of September 100% of the barley and oats were harvested. Potatoes were 95% harvested and second cutting hay was 85% harvested; all above five year averages.

October and November saw temperatures significantly warmer than normal across most of Alaska, with the exception of Southeast, which was cooler than normal in October. December temperatures were warmer than normal except in the Interior where temperatures were cooler the second half of the month. Precipitation varied by location and month. October precipitation was above normal for much of the state but was below normal in parts of Southeast and Southcentral. November precipitation was well above normal for most of the state with the exception of Delta Junction, which was below normal. December precipitation was above normal in Southcentral and Southeast but below normal for the Interior.

Weather data compiled from USDA/NASS Alaska Crop Progress and Condition Reports, Alaska Climate Research Statewide Climate Summaries and U.S. Drought Monitor.

Prices Received for Crops, All Milk, and Milk Cows — Alaska and United States: 2012-2019

State and year	Barley	Oats	All hay	Potatoes ¹	All milk	Milk cows
	(dollars per bushel)	(dollars per bushel)	(dollars per ton)	(dollars per cwt)	(dollars per cwt)	(dollars per head)
Alaska						
2012.....	5.35	3.60	315.00	27.60	24.00	1,250.00
2013.....	5.40	3.75	395.00	23.50	22.00	1,200.00
2014.....	5.45	3.70	385.00	21.90	21.90	1,300.00
2015.....	5.45	3.80	370.00	20.60	22.00	1,450.00
2016.....	5.25	3.70	340.00	22.90	21.90	1,600.00
2017.....	5.25	3.65	360.00	23.60	22.00	1,600.00
2018.....	5.20	(NA)	355.00	34.30	22.00	1,700.00
2019.....	5.20		350.00	(NA)	(NA)	2,080.00
United States						
2012.....	6.43	3.89	191.00	8.63	18.56	1,430.00
2013.....	6.06	3.75	176.00	9.88	20.11	1,380.00
2014.....	5.30	3.21	172.00	8.97	24.07	1,830.00
2015.....	5.52	2.12	145.00	8.79	17.21	1,990.00
2016.....	4.96	2.06	129.00	9.08	16.34	1,760.00
2017.....	4.47	2.59	142.00	9.17	17.69	1,620.00
2018.....	4.62	2.66	166.00	8.90	16.28	1,360.00
2019.....	4.69	2.82	163.00	9.94	18.63	1,200.00

(NA) Not available.

¹Alaska potato price includes storage, packing, marketing, and delivery costs. United States potato price is point of first sale.

Number of Farms, Land in Farms, and Average Size — Alaska: 2012-2019

[Includes farms and ranches with annual sales of \$1,000 or more]

Year	Number of farms			Land in farms			Average size of all farms
	Economic sales class		Total	Economic sales class		Total	
	\$1,000-\$9,999	\$10,000 or more		\$1,000-\$9,999	\$10,000 or more		
	(number)			(1,000 acres)			(acres)
2012.....	380	380	760	270	560	830	1,092
2013.....	410	390	800	210	620	830	1,038
2014.....	440	400	840	180	660	840	1,000
2015.....	470	420	890	150	690	840	944
2016.....	500	440	940	120	730	850	904
2017.....	540	460	1,000	80	770	850	850
2018.....	540	460	1,000	80	770	850	850
2019.....	590	460	1,050	80	770	850	810

Field Crop Area Planted and Harvested — Alaska: 2012-2019

Year	Potatoes		Oats		Barley		All hay
	Planted	Harvested	Planted	Harvested ¹	Planted	Harvested ¹	Harvested
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
2012	680	650	2,400	900	4,600	4,300	22,000
2013	650	620	1,300	400	3,600	3,300	20,000
2014	650	620	2,200	1,000	5,400	5,100	18,000
2015	560	540	1,800	1,000	4,600	4,300	18,000
2016	550	530	2,000	1,200	5,000	4,700	22,000
2017	560	540	1,700	900	5,500	5,200	21,000
2018	500	500	(NA)	(NA)	5,000	4,000	22,000
2019	(NA)	(NA)	(NA)	(NA)	6,000	5,000	22,000

(NA) Not available

¹ Acreage harvested for grain.

Barley Area Planted and Harvested, Yield, Production, and Value — Alaska: 2012-2019

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested ¹			
	(acres)	(acres)	(bushels)	(bushels)	(dollars)
2012	4,600	4,300	48.1	207,000	1,107,000
2013	3,600	3,300	33.3	110,000	594,000
2014	5,400	5,100	42.5	217,000	1,183,000
2015	4,600	4,300	34.0	146,000	796,000
2016	5,000	4,700	49.0	230,000	1,208,000
2017	5,500	5,200	46.0	239,000	1,255,000
2018	5,000	4,000	43.0	172,000	894,000
2019	6,000	5,000	38.0	190,000	988,000

¹ Acreage harvested for grain.

Oat Area Planted and Harvested, Yield, Production, and Value — Alaska: 2012-2019

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested ¹			
	(acres)	(acres)	(bushels)	(bushels)	(dollars)
2012	2,400	900	65.6	59,000	212,000
2013	1,300	400	37.5	15,000	56,000
2014	2,200	1,000	57.0	57,000	211,000
2015	1,800	1,000	47.0	47,000	179,000
2016	2,000	1,200	62.0	74,000	274,000
2017	1,700	900	73.0	66,000	241,000
2018	(NA)	(NA)	(NA)	(NA)	(NA)
2019	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available, estimate discontinued.

¹ Acreage harvested for grain.

All Hay Area Harvested, Yield, Production, and Value — Alaska: 2012-2019

Year	Area harvested	Yield per acre	Production	Value of production
	(acres)	(tons)	(tons)	(1,000 dollars)
2012.....	22,000	1.23	27,000	8,505
2013.....	20,000	0.75	15,000	5,925
2014.....	18,000	1.39	25,000	9,625
2015.....	18,000	1.10	20,000	7,400
2016.....	22,000	1.35	30,000	10,200
2017.....	21,000	1.20	25,000	9,000
2018.....	22,000	1.30	29,000	10,295
2019.....	22,000	1.30	29,000	10,150

Potato Area Planted and Harvested, Yield, Production, and Value — Alaska: 2012-2019

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested			
	(acres)	(acres)	(cwt)	(cwt)	(1,000 dollars)
2012.....	680	650	215	140,000	3,864
2013.....	650	620	210	130,000	3,055
2014.....	650	620	250	155,000	3,395
2015.....	560	540	260	140,000	2,884
2016.....	550	530	300	159,000	3,308
2017.....	560	540	270	146,000	3,446
2018.....	500	500	280	140,000	4,802
2019.....	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available, estimate discontinued.

Potato Production, Seed Use, Farm Disposition, Price, and Value — Alaska: 2012-2019

Crop year	Production	Total used for seed	Farm disposition			Price per cwt	Value of	
			Where grown		Sold		Production	Sales
			Seed, feed home use	Shrink and loss				
	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(dollars)	(1,000 dollars)	(1,000 dollars)
2012.....	140,000	13.0	12.0	20.0	108.0	27.60	3,864	2,980
2013.....	130,000	12.0	18.0	13.0	99.0	23.50	3,055	2,325
2014.....	155,000	10.0	13.0	16.0	126.0	21.90	3,395	2,755
2015.....	140,000	11.0	11.0	13.0	116.0	20.60	2,884	2,390
2016.....	159,000	10.0	33.0	12.0	114.0	22.90	3,308	2,608
2017.....	146,000	8.0	16.0	19.0	111.0	23.60	3,446	2,620
2018.....	140,000	10.0	24.0	11.0	105.0	34.30	4,802	3,599
2019.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available, estimate discontinued.

Milk Cows and Production of Milk and Milkfat — Alaska: 2012-2019

Year	Number of milk cows ¹	Production of milk and milkfat ²				
		Per milk cow		All milk percent of fat	Total	
		Milk	Milkfat		Milk	Milkfat
	(head)	(pounds)	(pounds)	(percent)	(1,000 pounds)	(1,000 pounds)
2012	400	14,250	516	3.62	5,700	200
2013	300	10,667	427	4.00	3,200	100
2014	300	11,667	462	3.96	3,500	100
2015	300	11,667	460	3.94	3,500	100
2016	300	11,667	455	3.90	3,500	100
2017	300	9,667	379	3.92	2,900	100
2018	300	9,333	367	3.93	2,800	100
2019	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

¹ Average number during the year, excluding heifers not yet fresh.

² Excludes milk sucked by calves.

Quantity of Milk Used and Marketed by Producers — Alaska: 2013-2019

	Milk used where produced			Milk marketed by producers	
	Fed to calves ¹	Used for milk, cream, and butter	Total	Total quantity ²	Fluid grade ³
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(percent)
2013	100	100	200	3,000	100
2014	100	100	200	3,300	100
2015	200	200	400	3,100	100
2016	100	200	300	3,200	100
2017	200	200	400	2,500	100
2018	200	300	500	2,300	100
2019	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

¹ Excludes milk sucked by calves.

² Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and milk sold directly to consumers. Also includes milk produced by institutional herds.

³ Percent of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid grade milk used in manufacturing dairy products.

Milk and Cream Marketings, Income, and Value of Production — Alaska: 2013-2019

Year	Milk utilized	Average returns per cwt for all milk ¹	Returns per pound milkfat	Cash receipts from marketings	Used for milk, cream, and butter by producers		Gross producer income ³	Value of milk produced ^{2 4}
					Milk utilized	Value ²		
	(1,000 pounds)	(dollars)	(dollars)	(1,000 dollars)	(1,000 pounds)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
2013	3,000	22.00	5.50	660	100	22	682	704
2014	3,300	21.90	5.53	723	100	22	745	767
2015	3,100	22.00	5.58	682	200	44	726	770
2016	3,200	21.90	5.62	701	200	44	745	767
2017	2,500	22.00	5.61	550	200	44	594	638
2018	2,300	22.00	5.60	506	300	66	572	616
2019	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

¹ Cash receipts divided by milk or milkfat in combined marketings.

² Value at average returns per 100 pounds of milk in combined marketings of milk and cream.

³ Cash receipts from marketings of milk and cream plus value of milk used for home consumption.

⁴ Includes value of milk fed to calves.

Cattle Inventory by Class — Alaska: January 1, 2013-2020

Year	All cattle and calves	All cows that have calved			Heifers, steers, and bulls 500 pounds and over					Under 500 pounds
		Beef cows	Milk cows	Total cows	Heifers		Steers and bulls			Calves
					Replacements		Other heifers	Steers	Bulls	
					Beef heifers	Milk heifers				
(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)	
2013.....	10,500	5,000	400	5,400	1,000	200	100	300	1,800	1,700
2014.....	10,000	4,300	300	4,600	800	100	100	400	1,900	2,100
2015.....	10,000	4,300	300	4,600	900	100	100	300	2,400	1,600
2016.....	11,000	4,000	300	4,300	900	100	600	400	2,500	2,200
2017.....	13,000	4,700	300	5,000	1,000	100	500	500	2,700	3,200
2018.....	15,000	6,100	300	6,400	1,400	100	500	500	2,400	3,700
2019.....	16,000	6,800	200	7,000	1,400	100	700	700	3,000	3,100
2020.....	17,000	7,700	300	8,000	1,200	100	400	600	3,900	2,800

Cattle and Calves Production and Income — Alaska: 2012-2019

Year	Production ¹	Marketings ²	Value of production	Cash receipts ³	Value of home consumption	Gross income
	(1,000 pounds)	(1,000 pounds)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
2012.....	1,370	2,768	1,620	3,293	410	3,703
2013.....	761	1,339	1,021	1,605	330	1,935
2014.....	1,991	1,371	2,831	2,059	408	2,467
2015.....	1,934	1,260	3,092	1,935	253	2,188
2016.....	2,900	1,715	3,421	1,952	178	2,130
2017.....	3,426	1,543	3,974	1,750	450	2,200
2018.....	4,686	3,290	4,990	3,576	412	3,988
2019.....	4,443	3,093	4,884	3,424	441	3,865

¹Adjustments made for changes inventory and for inshipments.

²Excludes custom slaughter for use on farms where produced and interfarm sales with the State.

³Receipts from marketings and sale of farm slaughter.

Hog and Pig Inventory by Class — Alaska: December 1, 2012-2019

Year	Breeding hogs	Market hogs and pigs					All hogs and pigs
		Under 50 pounds	50-119 pounds	120-179 pounds	180 pounds and over	Total market	
	(head)	(head)	(head)	(head)	(head)	(head)	(head)
2012	200	(NA)	(NA)	100	200	800	1,000
2013	200	300	300	100	100	800	1,000
2014	300	400	300	100	100	900	1,200
2015	300	400	400	200	100	1,100	1,400
2016	300	400	500	200	100	1,200	1,500
2017	300	300	500	200	200	1,200	1,500
2018	300	400	600	200	400	1,600	1,900
2019	300	500	500	300	300	1,600	1,900

(NA) Not available.

Annual Sows Farrowing, Pigs per Litter, and Pig Crop — Alaska: December-November, 2012-2019

[December preceding year]

Year	Sows farrowing	Pigs per litter	Pig crop
	(head)	(number)	(head)
2012	120	8.58	1,000
2013	120	9.17	1,100
2014	170	9.41	1,600
2015	220	8.18	1,800
2016	240	8.75	2,100
2017	300	8.33	2,500
2018	280	7.86	2,200
2019	350	8.00	2,800

Hogs and Pigs Production, Price, and Income — Alaska: 2012-2019

Year	Production ¹	Marketings ²	Value of production ³	Cash receipts ^{3 4}	Value of home consumption	Gross income
	(1,000 pounds)	(1,000 pounds)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
2012	397	283	272	192	88	280
2013	374	275	261	192	92	284
2014	504	375	401	309	99	408
2015	810	700	436	422	93	515
2016	842	744	424	416	86	502
2017	1,191	1,071	641	643	115	758
2018	779	572	406	324	109	433
2019	982	864	539	511	104	615

¹ Adjustments made for changes inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and interfarm sales with the State.

³ Includes allowance for higher average price of State inshipments and outshipments of feeder pigs.

⁴ Receipts from marketings and sale of farm slaughter.

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