Alaska Agricultural Statistics
2022 Annual Bulletin

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National Agricultural Statistics Service
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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 may 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 – 2021

The beginning of 2021 was significantly warmer than normal across Alaska, particularly in the Interior. Precipitation levels were lower than normal, with Fairbanks at only 5% of normal snowfall. February and March were colder than normal across the major growing areas. Precipitation levels during the same time were higher than normal for most of the state, with the exception of Kenai and Kodiak. Significantly above normal levels of snow fell in the Interior. April remained colder than normal in most of the major growing areas, except for the Kenai and Kodiak. Precipitation was below normal for Southcentral but above normal for the Interior, with Fairbanks again receiving significantly more snow than normal.

May temperatures were above normal for the Fairbanks and Palmer areas but below normal in the other major growing areas. May precipitation was well above normal in Delta Junction, parts of Southcentral and in Juneau. Other areas were below or at normal. By the end of May field work was close to on schedule after cold, wet fields earlier in the month slowed field work. The barley crop was reported as 90% planted and 30% emerged; five-year averages are 98% planted, 49% emerged. Oats were 95% planted and 45% emerged; five-year averages are 93% planted, 49% emerged. Potatoes were 70% planted; the five-year average is 80% planted.

June temperatures were near or slightly above normal in most growing areas. Precipitation varied but was generally below normal, except on Kodiak. By month's end barley was less than 5% headed, oats 25% in-boot, potatoes 100% emerged and the first cutting hay harvest was 30% complete; all at or slightly above the five-year averages.

July temperatures were warmer than normal in the Interior but at or slightly cooler than normal in the other major growing areas. Precipitation was generally lower than normal with, the exception of the Kenai, which was slightly above normal. First cutting hay was 97% complete by the end of July, the five-year average is 94%. Second cutting of hay was just underway. Barley was 20% turning color, while oats were 90% in dough. Five-year averages are barley 43% turning color and oats 65% in dough, respectively.

August temperatures were at or below normal for most of the major growing areas, however Fairbanks set a new high temperature record early in the month. Precipitation was above normal for most areas except for the Kenai which was below normal. The end of August had barley 60% ripe and harvest was less than 5% complete. Oats were 50% ripe. The five-year averages are 61% barley ripe, 10% harvested and oats 32% ripe. Second cutting hay harvest was 10% complete; the five-year average is 28% harvested. Potatoes were 5% harvested; the five-year average is 10% harvested.

September was colder than normal across much of the state, with temperatures dipping into the teens across the major growing areas by months end. Precipitation was below normal for the Interior and Kenai but above normal in Southcentral. By the end of September 98% of the barley and 80% of oats were harvested. Five-year averages are 97% barley harvested and 67% oats harvested. Potatoes were reported as 95% harvested and second cutting hay was 90% harvested; five-year averages are 90% and 84%, respectively.

October saw temperatures warmer than normal across most of Alaska, while temperatures for November were well below normal for most areas. December temperatures were warmer than normal in the Interior but lower than normal elsewhere. Precipitation varied by location and month. October precipitation was at or above normal for much of the state, while November precipitation was generally below normal. December precipitation was well above normal for the Interior, while other areas of the state were at or below normal. A wind, rain, snow event at the end of the month impacted many areas.

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

Prices Received for Crops, All Milk, and Milk Cows — Alaska and United States: 2014-2021

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						
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	(NA)	350.00	(NA)	(NA)	2,080.00
2020	5.10	(NA)	370.00	(NA)	(NA)	2,500.00
2021	5.50	(NA)	430.00	(NA)	(NA)	2,250.00
United States						
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	18.65	1,200.00
2020	4.75	2.77	156.00	9.30	18.16	1,300.00
2021	5.15	4.00	186.00	9.92	18.54	1,360.00

(NA) Not available.
[1] Alaska 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: 2014-2021

[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)
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
2020	590	460	1,050	80	770	850	810
2021	590	460	1,050	80	770	850	810

Field Crop Area Planted and Harvested — Alaska: 2014-2021

Year	Potatoes		Oats		Barley		All hay
	Planted	Harvested	Planted	Harvested [1]	Planted	Harvested [1]	Harvested
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
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
2020	(NA)	(NA)	(NA)	(NA)	6,000	5,000	22,000
2021	(NA)	(NA)	(NA)	(NA)	6,000	5,000	19,000

(NA) Not available.
[1]Acreage harvested for grain.

Barley Area Planted and Harvested, Yield, Production, and Value — Alaska: 2014-2021

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested [1]			
	(acres)	(acres)	(bushels)	(bushels)	(dollars)
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
2020	6,000	5,000	43.0	215,000	1,097,000
2021	6,000	5,000	51.0	255,000	1,403,000

[1] Acreage harvested for grain.

Oat Area Planted and Harvested, Yield, Production, and Value — Alaska: 2014-2021

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested [1]			
	(acres)	(acres)	(bushels)	(bushels)	(dollars)
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)
2020	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.
[1]Acreage harvested for grain.

All Hay Area Harvested, Yield, Production, and Value — Alaska: 2014-2021

Year	Area harvested	Yield per acre	Production	Value of production
	(acres)	(tons)	(tons)	(1,000 dollars)
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
2020	22,000	1.10	24,000	8,880
2021	19,000	1.20	23,000	9,890

Potato Area Planted and Harvested, Yield, Production, and Value — Alaska: 2014-2021

Year	Acreage		Yield per acre	Production	Value of production
	Planted	Harvested			
	(acres)	(acres)	(cwt)	(cwt)	(1,000 dollars)
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)
2020	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.

Potato Production, Seed Use, Farm Disposition, Price, and Value — Alaska: 2014-2021

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)
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)
2020	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.

Milk Cows and Production of Milk and Milkfat — Alaska: 2014-2021

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)
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	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.
[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: 2015-2021

	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)
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	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.
[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: 2015-2021

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)
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	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available.
[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, 2015-2022

Year	All cattle and calves	All cows that have calved			Heifers, steers, and bulls 500 pounds and over					Under 500 pounds
					Heifers			Steers and bulls		
		Beef cows	Milk cows	Total cows	Replacements		Other heifers	Steers	Bulls	Calves
					Beef heifers	Milk heifers				
	(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)	(head)
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
2021	17,000	7,300	200	7,500	1,500	100	300	700	4,300	2,600
2022	18,000	7,800	200	8,000	1,500	100	400	500	4,500	3,000

Cattle and Calves Production and Income — Alaska: 2014-2021

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)
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	4,442	3,093	4,883	3,423	440	3,863
2020	4,626	4,315	4,681	4,379	425	4,804
2021	3,491	2,572	4,018	2,902	470	3,372

(NA) Not available.
[1]Adjustments made for changes in inventory and for inshipments.
[2]Excludes custom slaughter for use on farms where produced and interfarm sales within the State.
[3]Receipts from marketings and sale of farm slaughter.

Hog and Pig Inventory by Class — Alaska: December 1, 2014-2021

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)
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
2020	400	500	400	300	300	1,500	1,900
2021	400	600	400	300	200	1,500	1,900

Annual Sows Farrowing, Pigs per Litter, and Pig Crop — Alaska: December-November, 2014-2021

[December preceding year]

Year	Sows farrowing	Pigs per litter	Pig crop
	(head)	(number)	(head)
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	400	8.00	2,800
2020	400	7.57	2,800
2021	400	8.00	3,200

Hogs and Pigs Production and Income — Alaska: 2014-2021

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)
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	1,022	877	612	518	121	639
2020	859	648	394	318	103	421
2021	865	680	659	472	146	618

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the State.
[3] Receipts from marketings and sale of farm slaughter.

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