Alaska Agricultural Statistics
2021 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
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Data from past years may be obtained by viewing one of the above websites or by calling to request the data.

ALASKA WEATHER SUMMARY – 2020

The beginning of 2020 was cooler than normal in most areas. January was significantly colder than normal over much of the state. February was also colder than normal; however, Southeast was slightly warmer than normal. Temperatures the first half of March were colder than normal while the second half of the month was generally warmer than normal. April was colder than normal in most of the major growing areas, except for the Kenai. Precipitation varied by location and month. January was drier than normal except for Delta Junction, which was slightly above normal. February was near to above normal except for Delta Junction and Kodiak which were drier than normal. March and April were generally above normal with fair amounts of snow. However, parts of the Kenai, Southeast and Kodiak were below normal in March.

May temperatures were well above normal for most of the month. May precipitation was generally below normal except in Delta Junction. By the end of May field work was on schedule. The barley crop was reported as 95% planted and 50% emerged; five-year averages for that date are 99% planted, 59% emerged. Oats were 95% planted and 40% emerged; five-year averages for that date are 96% planted, 55% emerged. Potatoes were 80% planted; the five-year average is 84% planted.

June temperatures were near or slightly above normal in most growing areas, except for the Interior. Precipitation varied but was generally lower than normal in the Anchorage area and the Kenai but above normal in the Interior and the Matanuska Valley. By month's end barley was 30% in-boot, oats 20% in-boot, potatoes 100% emerged and the first cutting hay harvest was 15% complete; all at or slightly below the five-year averages.

July temperatures were warmer than normal in most growing areas except for the Interior, which was cooler than normal. Precipitation was lower than normal in Delta Junction, Kodiak and Anchorage, while other areas were at or slightly above normal. Drought conditions were reported by the U.S. Drought Monitor as abnormally dry for parts of the Kenai and Kodiak. First cutting hay was 90% complete by the end of July, the five-year average is 92%. Second cutting of hay was just underway. Barley was 50% turning color, while oats were 50% in dough. Five-year averages are barley 33% turning color and oats 65% in dough, respectively.

August temperatures were above normal for most of the major growing areas except for Southeast which was slightly below normal. Precipitation was below normal except for Southeast and the Interior which was above normal. The U.S. Drought Monitor reported abnormally dry conditions in parts of Southcentral, the Kenai and moderate drought conditions on Kodiak. The end of August had barley 15% ripe and oats 90% turning color. The five-year averages are 74% barley ripe and 21% harvested and oats 86% turning color and 41% ripe. Second cutting hay harvest was 50% complete; the five-year average is 30% harvested. Potatoes were less than 5% harvested; the five-year average is 11% harvested.

September was again warmer than normal across much of the state. Precipitation was above normal in the Tanana Valley and on Kodiak but below normal for much of Southcentral and the Kenai. Parts of Southcentral and Kodiak had abnormally dry drought conditions according to the U.S. Drought Monitor. By the end of September 90% of the barley and 20% of oats were harvested. Five-year averages are 99% barley harvested and 70% oats harvested. Potatoes were reported as 95% harvested and second cutting hay was 90% harvested; both above five-year averages.

October saw temperatures warmer than normal across most of Alaska, while temperatures for November were near normal. December temperatures were generally warmer than normal. October precipitation was well below normal for much of the state, while November precipitation was above normal for most of the state except for Delta Junction and Kodiak, which was below normal. December precipitation was below normal for most of the state and well below normal for the Interior.

Overall temperatures for Alaska for 2020 were noticeably cooler than in the previous seven years. Precipitation for the year was wetter than normal for the Interior and Southeast while Southcentral and the Kenai were drier than normal. Above average snowfall occurred in Anchorage and Fairbanks while Juneau saw below average snowfall. The wildfire season was mild compared to both the previous year and normal levels.

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: 2013-2020

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						
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	(NA)	350.00	(NA)	(NA)	2,080.00
2020	5.10	(NA)	365.00	(NA)	(NA)	2,500.00
United States						
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
2020	4.70	2.70	159.00	9.44	18.25	1,300.00

(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: 2013-2020

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

Field Crop Area Planted and Harvested — Alaska: 2013-2020

Year	Potatoes		Oats		Barley		All hay
	Planted	Harvested	Planted	Harvested [1]	Planted	Harvested [1]	Harvested
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
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
2020	(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: 2013-2020

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

[1] Acreage harvested for grain.

Oat Area Planted and Harvested, Yield, Production, and Value — Alaska: 2013-2020

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

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

All Hay Area Harvested, Yield, Production, and Value — Alaska: 2013-2020

Year	Area harvested	Yield per acre	Production	Value of production
	(acres)	(tons)	(tons)	(1,000 dollars)
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
2020	22,000	1.10	24,000	8,760

Potato Area Planted and Harvested, Yield, Production, and Value — Alaska: 2013-2020

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

(NA) Not available

Potato Production, Seed Use, Farm Disposition, Price, and Value — Alaska: 2013-2020

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

(NA) Not available

Milk Cows and Production of Milk and Milkfat — Alaska: 2013-2020

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)
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	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(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: 2014-2020

	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)
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	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(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: 2014-2020

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)
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	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2020	(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, 2014-2021

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)
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
2021	17,000	7,300	200	7,500	1,500	100	300	700	4,300	2,600

Cattle and Calves Production and Income — Alaska: 2013-2020

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)
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	4,442	3,093	4,883	3,423	440	3,863
2020	4,611	4,315	4,667	4,379	412	4,791

(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, inventory and for inshipments.

Hog and Pig Inventory by Class — Alaska: December 1, 2013-2020

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)
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
2020	400	500	400	300	300	1,500	1,900

Annual Sows Farrowing, Pigs per Litter, and Pig Crop — Alaska: December-November, 2013-2020

[December preceding year]

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

Hogs and Pigs Production and Income — Alaska: 2013-2020

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)
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	1,022	877	612	518	121	639
2020	859	648	394	318	103	421

(NA) Not available.

[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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