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WSU Skagit County Extension  
Skagit County Agricul-

2019



Skagit County

WASHINGTON STATE UNIVERSITY  
EXTENSION



Greetings!

Washington State University Skagit County Extension has been keeping crop records since 1922. Information is compiled from processing companies, farm organizations, growers, field representatives, media sources, and University sources.

Agricultural statistics with related written details are important for several reasons:

- ◆ Figures show the past production history of farming in a community;
- ◆ Statistics show the ups and downs of agriculture in relationship to weather, economics, urban encroachment, disasters, or a shift in production to other areas;
- ◆ This information provides a basis on which to make important decisions for land-use planning, zoning, and economic development planning related to agriculture.

Your comments and suggestions are welcomed and encouraged. Feel free to give us a call and we can discuss the enclosed information.

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Washington State University Extension engages people, organizations and communities to advance economic well-being and quality of life by connecting them to the knowledge base of the university and by fostering inquiry, learning, and the application of research.



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# Report Summary



Skagit County

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# About Skagit County

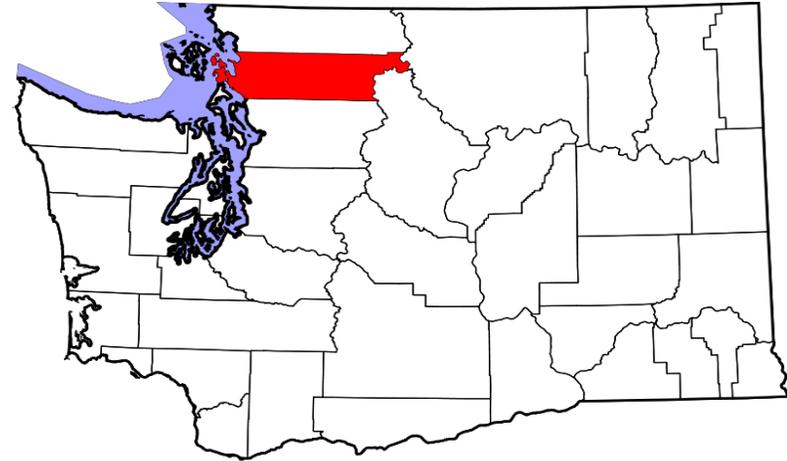


Skagit County

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## GEOGRAPHY

Skagit County is 60 miles north of Seattle. It is 24 miles wide (north and south) and 95 miles long (east and west). Several islands in the Puget Sound area are included in the county. Snowcapped Mount Baker (in Whatcom County), elevation 10,000 feet, dominates the northeastern edge of the county and is the start of the North Cascades wilderness area and National Park. The Skagit River, which is famous for steelhead and salmon fishing and serves as important bald eagle feeding grounds, begins in the North Cascade mountain area. The upper Skagit has three hydro-electric dams which provide power for the northwest. Below the dams, the Skagit is fed by the Sauk, Cascade, Suiattle and Baker rivers. The Skagit River flows through the “upper valley” and continues through thousands of acres of fertile farmland before emptying into Puget Sound.



## CLIMATE

Cool, marine temperatures and an abundance of moisture is evidenced by the lush growth of forest, pastures and agricultural crops in Skagit County.

*Rainfall.* The “rule of thumb” is to add one inch of moisture for each mile traveled east from Puget Sound. Anacortes averages 25 inches per year; Marblemount, 95 inches per year. The driest year since 1948 was in 1987, when precipitation total was 20.71 inches. The wettest year was 1990, with 47.20 inches.

Approximately 20% of the rainfall in Mount Vernon occurs June through September. The sun shines 65% of the time in summer, and 25% of the time in winter.

## TEMPERATURE:

The highest temperature ever on record at the WSU Northwestern Washington Research and Extension Center at Mount Vernon, was 98°F on August 9, 1960. The average summer temperature is 73° F. The highest recorded winter temperature for December, January and February was 65° F. The lowest temperature on record was -4° F. on January 26, 1957. WSU NWREC has been keeping records since 1948. (See chart on next page).



Photo by WSU SCMG Sheri Hunter

### 2019 WEATHER PICTURE

The winter of 2018/2019 began on October 14th, 2018 with the first frost of the season; the coldest days of the year occurred on February 10th at 8.7 degrees. The cold weather had an impact on the perennial cropping systems in Skagit County; there were several reported crop failures due to freezing weather on cabbage seed and several crop failures on raspberries and/or blackberries. The spring of 2019 was one for the record books. Farmers received less than average rainfall with warmer than average temperatures. There was a lot of speculation as to whether March of 2019 was the new global warming spring of Western Washington or if it was just one of those off years. Many farmers took to the good weather and planted in March; others held back for fear of the “big rain” of 2009. April did provide 2.45 inches of rain, which was almost enough for the early planters to second guess their decision until May hit and farmers were scratching their heads pulling out their irrigation equipment in May, something of a rarity in Skagit County. June was fairly mild with hot and dry months of July and August. September made things difficult on farmers with over five inches of rain but farmers were able to hold off for better weather in November. A record number of crops were left in the ground in the winter of 2019/2020 but you will find in the 2020 Skagit Ag Stats that having additional food left in the ground is advantageous during a pandemic.

Month	Low	Ave	Max	Precipitation
January	34.4	41.7	49.8	1.81
February	26.3	33.5	40.3	2.27
March	33.3	43.1	54.5	1.35
April	41.7	49.8	57.5	2.45
May	46.7	56.6	66.9	0.88
June	50.3	59.2	69.3	1.42
July	54.0	63.0	72.6	0.83
August	53.9	64.0	75.0	0.86
September	52.3	59.1	67.2	5.24
October	40.2	47.9	56.1	4.21
November	35.3	42.9	51.2	2.14
December	37.3	42.3	46.8	3.50
				<b>Year Total -26.96</b>

Source: <http://www.weather.wsu.edu/>

# I ❤️ FARMING

# Freeze



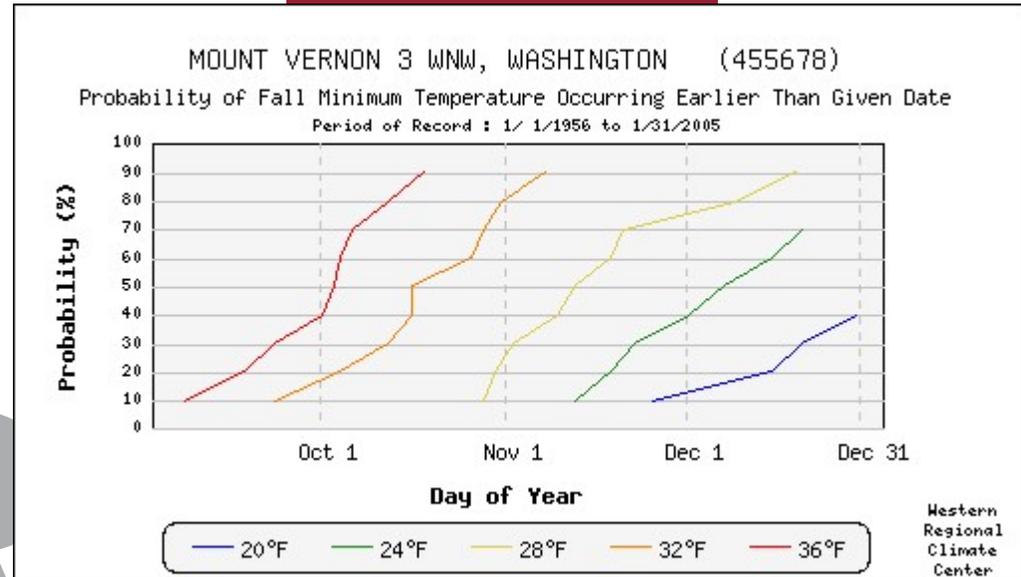
## FROST FREE DAYS:

The lower Skagit Valley area has approximately 230 growing days and the upper valley has approximately 200 growing days. The last spring frost in the lower valley is estimated to occur about April 15, and the first fall frost occurs about October 15.

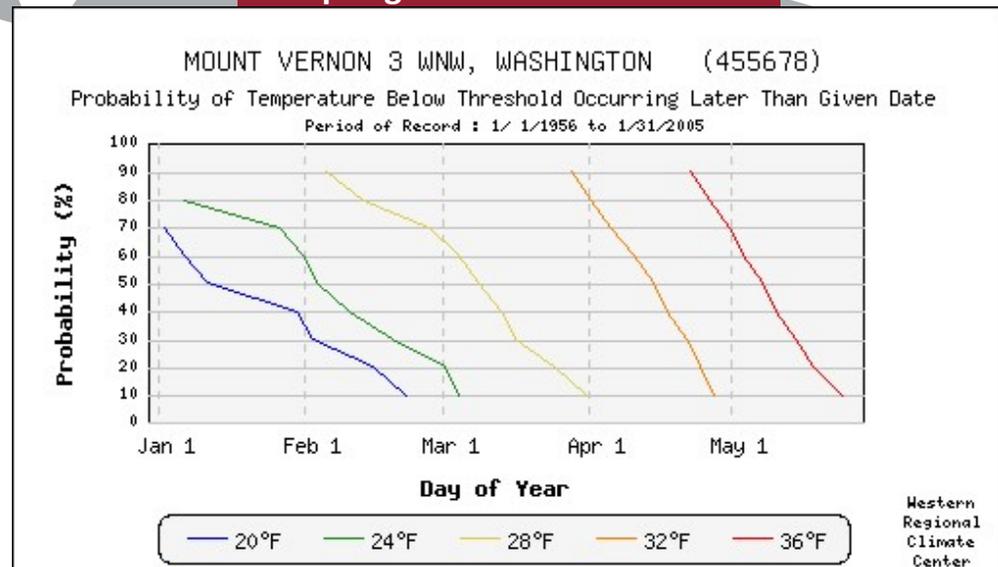


Photography by Don McMoran

## Fall Freeze Probabilities



## Spring Freeze Probabilities



### IRRIGATION

In May, July and August, irrigation was used on approximately 30,000 acres of cropland in 2019. This was above average for Skagit County due to the summer drought. The main crops irrigated were corn, grass pasture, berries, potatoes, vegetable seed crops, and tree fruits.

### SOILS

The Skagit Valley was formed by water-deposited (alluvial) soils. Most cropland and pasture land in the county is located in the floodplain-delta area. This area covers the valley floor and extends east along the Skagit River and its tributaries. There are five primary soil types in the floodplain-delta area. Three types are located in the floodplain: Skagit (26%), which consists of silt loam, silty clay loam, and a small amount of very fine sandy loam; Sumas (15%); and Field (14%). The other two types are found along the Skagit River: Lorus (17%) and Pilchuck (14%). Floodplain soils are highly productive under dry land farming. Elevation in this area ranges from sea level to 500 feet.

Soil wetness is the major limitation for crops in the floodplain area. The Skagit and Samish Rivers have had a long history of flooding. The Skagit River, from just west of Sedro-Woolley to the Puget Sound, is protected from flooding by dikes and levees. The floodplain areas along the lower reaches of the Samish River, below Thomas Creek, are flooded almost every year.

### AGRICULTURE: SKAGIT FUN FACTS

- Skagit County is a major producer of cabbage, table beet, and spinach seed for the world. There are six vegetable seed companies in the county, most of which market products worldwide.
- There are two remaining processing companies in Skagit County: Sakuma Brothers and Gielow Pickles.
- There are two major ag-supply dealers in the Valley: Skagit Farmers Supply and Wilbur-Ellis provide supplies and services to farmers.
- More tulip and daffodil bulbs are produced in Skagit County than in any county in the United States.
- Skagit County ranks fifth in dairy production in Washington State.
- About 10,000 Trumpeter and Tundra swans, 100,000 Snow geese, and thousands more of mallard and other dabbling ducks utilize Skagit farmland for food and habitat. Skagit County is host to one of the highest concentrations of raptors, which also utilize farmland, in North America.
- Every year since 1999 approximately 20,000 visitors enjoy the Skagit Valley Festival of Family Farms.

I  FARMERS

### AGRICULTURAL LABOR

Minimum wage in the state of Washington is the highest in the country, the result of a 1998 citizens' initiative passed by voters that links the minimum wage to the Federal Consumer Price Index.



Photo by Don McMoran

### SKAGIT COUNTY POPULATION GROWTH

1960	1970	1980	1990	2000	2010	2019
43,273	52,381	64,138	79,555	102,300	116,910	129,205

Source: U.S. Census Bureau

### Washington State Minimum Wage

Effective Date	Dollars per Hour
January 1, 1974	1.80
September 1, 1975	2.00
January 1, 1976	2.30
January 1, 1989	3.85
January 1, 1990	4.25
January 1, 1994	4.90
September 1, 1997 (Federal minimum wage changed)	5.15
January 1, 1999	5.70
January 1, 2000	6.50
January 1, 2001	6.72
January 1, 2002	6.90
January 1, 2003	7.01
January 1, 2006	7.63
January 1, 2007	7.93
January 1, 2008	8.07
January 1, 2009	8.55
January 1, 2011	8.67
January 1, 2014	9.32
January 1, 2015	9.47
January 1, 2017	11.00
January 1, 2019	12.00
January 1, 2020	13.50

### CROPS

In the past the Skagit County processing industry revolved around green peas. 2010 marked the first year since the early 1900s that no commercial pea processing took place in Skagit County. As a result, growers have been experimenting with new crops in hopes of finding the next niche.

Potatoes have become a very important crop with acreage expanding significantly over the past fifteen years. Other crops, such as cole crops, vegetable seed crops, cucumbers, flower bulbs, and small fruits contribute less in gross dollars but are very important. The net return to the grower on these crops is relatively high, and they provide diversification and many jobs.



### APPLES

Apple acreage in Skagit County is on the decline. The 2019 Skagit crop showed average yields and average quality with a moderate pricing structure.

Our coastal climate allows us to grow varieties that are different from those grown in the large apple-producing regions of central Washington. Varieties grown here such as Jonagold, Gravenstein, Spartan, Akane and Honey Crisp are excellent apples to consume, but with no apple processing facilities in Skagit County, shipping the apples back and forth across the mountain passes makes commercial production unprofitable.

In 1998 Washington State Department of Agriculture added Skagit to the list of counties quarantined against apple maggot. WSU Skagit County Extension initiated the formation of the Skagit County Horticultural Pest and Disease Board to develop programs to prevent the pest from infesting commercial orchards. To date, no apple maggots have been found in commercial orchards.



### BLUEBERRIES

Harvested by hand and machine, about half the crop is sold for fresh market, and half is processed. Yields and quality in this area are exceptionally high compared to the Midwest. Our cooler summer temperatures allow the berries to ripen slowly, which results in more sugar. Prices have declined for blueberries due to overproduction.



### BLACKBERRIES

2019 provided mixed reviews for the blackberry crop. Warmer winter temperatures increased fruit production but over-production kept prices lower. Prices are slowly recovering from the bottom of the market last year. Given the climate of Skagit County, blackberries have the potential to become a much larger player in Skagit County fruit production.



## BULB CROPS

Approximately 1,000 acres of tulips and daffodils are grown in Skagit County. They are sold for both cut flowers and bulbs and shipped throughout the U.S. and Canada. About 20 million bulbs are harvested each summer in Skagit County. About 75 million cut flowers are grown in greenhouses and fields, accounting for over 50% of overall sales. About 500 acres of tulips are grown in the Valley, which represents 75% of U.S. commercial production. Skagit County is known worldwide for its Tulip Festival, which occurs the entire month of April. The Tulip Festival began in 1984 and now brings an estimated 300,000 visitors and \$65 million in revenue to the county.

The bulb industry averages about \$20 million in annual gross income, \$3 million of which is in bulb sales. Since 1968, flower prices have increased three times, while bulbs have only doubled, but prices have decreased steadily since 2000. There are now only two bulb-growing farms in the region. Iris production was discontinued in 2016.



## BRUSSELS SPROUTS, CAULIFLOWER AND BROCCOLI

All Skagit County Brussels sprouts, cauliflower and broccoli are grown for fresh market. Head quality is exceptionally high in this region. Approximately 60% to 80% of the Brussels sprouts, broccoli and cauliflower grown in Skagit is consumed in Oregon, Washington, and British Columbia. Skagit farmers grew about 2,500 acres of Brussels sprouts, cauliflower and broccoli this year. Farmers in the Skagit Valley maintained acreages for these important rotational crops in 2019 largely for the disease suppression that brassica crops provide via biofumigation.



## CHICKENS AND EGGS

Washington is ranked 19th in the nation for egg production (Source: [http://www.stuffaboutstates.com/agriculture/livestock/chicken\\_eggs.htm](http://www.stuffaboutstates.com/agriculture/livestock/chicken_eggs.htm)). Two companies produce the majority of the eggs in Skagit County: National Foods and Wilcox Farms. These two farms account for hundreds of millions of eggs being produced in Skagit County and Washington State.

In 2019, retail food-at-home prices rose 0.9 percent. This was the second increase in 4 years, but the rate was still below the 20-year historical annual average of 2 percent. While prices for poultry, eggs, fats and oils, and fresh fruits declined in 2019, prices for all other food categories increased. Fresh vegetables had the largest annual average increase of 3.8 percent in 2019, and eggs had the largest annual average decrease of 10 percent. (Source: <http://www.ers.usda.gov/data-products/food-price-outlook/summary-findings.aspx>).

The sole Washington-owned chicken processor in the state, Draper Valley Farms, is located in Mount Vernon. The company employs approximately 500 people and has sales around 80 million dollars.



### CUCUMBERS

The lone pickle cucumber processor in Washington State is Gielow Pickles located at the Port of Skagit County with headquarters located in Lexington, MI. According to their website, “Making pickles is in our blood. When our family began making pickles in the early 1900’s, our goal was to make the highest quality pickle at a competitive price. Today, our goal remains the same. The use of automated packaging equipment, direct contact with growers across America, and the buying power of the market leaders enables Gielow Pickles to accomplish our goal.”

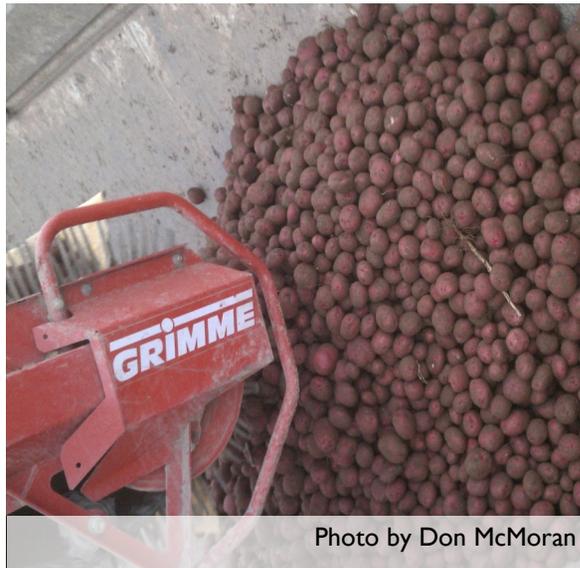


Photo by Don McMoran

### POTATOES

Potato acreage consists primarily of fresh market reds, whites, yellows, purple, fingerlings and some chipping potatoes. Skagit potatoes are in demand for their high quality. Late blight disease is a constant threat to the industry; however, due to a study of all the growers in Skagit and northern Snohomish counties, WSU Skagit County Extension was able to determine that Potato Virus Y (PVY) and Silver Scurf continues to be more of a problem for area growers. Researchers at WSU NWREC and WSU Skagit County Extension are now working on these issues. Because of the need for a three-year rotation, there is limited ground available for the 12,000 acres of potatoes currently grown in Skagit County. Overall production remained constant for 2019. The disadvantage in 2018 was that once the wet spring turned and things opened up for the growers, they scrambled to get enough water on the crop during the drought. There were over 2000 acres of potatoes that were not harvested in 2019 based on heavy rains late in the harvest season. Many news stories were written about the devastating conditions of leaving the crop in the ground. However, when Covid-19 hit Washington State in March of 2020 and consumers began hoarding food supplies, local farmers were able to salvage some of the 2019 crop and recoup some losses.



### RASPBERRIES

The majority of raspberry acreage in Skagit County is now harvested by hand for the fresh market due to a major reduction in raspberry production for processing beginning in 2017 and a switch from raspberry to blueberry production. The main varieties are Meeker and Willamette. Washington produces about 75% of the total U.S. production of frozen red raspberries, and 95% of that is from Whatcom County.



Spinach Seed Field– Photo by Don McMoran



Beet Seed Field– Photo by Don McMoran



Cabbage Seed Field– Photo by Don McMoran

## SEED CROPS

A large variety of vegetable seed crops are grown in the Skagit Valley; the top 3 in both acreage and farmgate value are spinach, cabbage and beet seed. Skagit and Snohomish counties produce nearly 75% of the US supply of spinach and cabbage seed and nearly 95% of the U.S. table beet seed. Skagit County is known as a significant world contributor with approximately 8% of the world's spinach seed, 25% of the world's cabbage seed, and 25% of the world's beet seed. Other vegetable seeds produced in Skagit County include arugula, broccoli, Chinese cabbage, coriander, mustard, parsley, parsnip, rutabaga, swiss chard and turnip.

Vegetable seed production is highly technical and often involves long rotation intervals—sometimes stretching beyond a decade. Skagit County farmers have developed innovative tools and cultural practices along with a close relationship with Washington State University research scientists and Extension professionals to be proactive in managing specialty seed crops challenges.

Vegetable seeds from the Skagit County are marketed all over the world. The need for isolation distances to prevent contamination from cross-pollination keeps the vegetable seed acreage below 5,000 acres in Skagit County. Skagit-based seed companies contract some of their acreage with Snohomish, Island, Whatcom, and Clallam County growers. To protect these areas, seed companies joined together in the 1940s to designate where the crops would be grown. On the first Monday in March and again in June, the seed companies meet at WSU NWREC for the annual pinning days that determine which crop/variety will be planted and where. It is this spirit of cooperation that keeps the seed industry growing in Skagit County.

Beet and spinach seed yields were average in 2019 due to farmers needing to supply supplemental irrigation during the drought.

There was approximately 10 percent cabbage seed damage due to extreme winter weather conditions in the 2019 growing season.

There are nine vegetable seed companies in Skagit County: Sakata, D&D, McDonald, Rijk Zwaan, Schafer, Skagit Seed Services, Syngenta, Universal and Vikima Seeds USA.

Some turf and forage grasses for seed are also grown in Skagit County; production varies widely depending upon market volatility.



### STRAWBERRIES

The main varieties are Albion, Shuksan, Totem, Puget Reliance, Hood, Puget Summer, Redcrest and Rainier. Most strawberries are sold to processors. Skagit County produces about 20% of the state's strawberries. Acreage is decreasing in Skagit County, due to difficulty securing labor. More growers are changing varieties to capture more of the fresh market by producing ever-bearing strawberries and using innovative technologies to increase the length of the season.



### WINE GRAPES

The marine climate in the Skagit Valley is similar in many ways to the fine-wine-producing areas of France and Germany. Research conducted from 1976 to 1988 at WSU NWREC produced a number of white wine grape varieties, which have already proven successful in area vineyards. More recent research involves projects in evaluating new wine grape varieties, and rootstock trials evaluating potential for earlier maturity in 'Pinot Noir' grapes.

Currently, there are 7 wineries producing 25,000 cases of wine on approximately one hundred acres valued at over \$1 million.



Photo by Don McMoran

### ORGANIC FARMING

In 2018 there were 66 certified organic producers, two secondary companies/producers and one producer transitioning to organic production in Skagit County on 8,481 acres and 87 acres in transition. Organic production in Skagit County is valued at more than \$27,000,000, making it the highest organic agricultural producing county in Western Washington.

WSU Skagit County Extension has been teaching the Cultivating Success Beginning Farmer and Rancher course and the Agricultural Entrepreneur bilingual 12-week course in partnership with Skagit Valley College since 2006. To date more than 500 students have been educated on organic/sustainable agricultural production.

Sources: [http://tfrec.cahnrs.wsu.edu/organicag/wp-content/uploads/sites/9/2019/05/WA\\_OrgStats\\_ann\\_rev\\_2018.pdf](http://tfrec.cahnrs.wsu.edu/organicag/wp-content/uploads/sites/9/2019/05/WA_OrgStats_ann_rev_2018.pdf) and personal communications with WSU Sustainable Agricultural Specialist, David Granatstein.

## 2019 Skagit County Milk Production Data

Table 1.

Year	Number of Dairies		Total Pounds Milk Pro- duced	Uniform Average Milk Price/ cwt*	Total # Milk Cows  Skagit Inventory
	Start of Year	End of Year			
2019	30	26.00	262,945,486	\$16.76	15,000
2018	30	29	279,152,302	\$14.83	14,700
2017	30	30	279,118,178	\$16.16	14,500
2016	30	30	277,208,444	\$14.67	14,500
2015	29	30	287,906,784	\$15.59	14,000
2014	29	29	299,584,645	\$22.66	13,500
2013	30	29	280,182,987	\$18.84	13,000
2012	31	30	270,573,960	\$17.20	14,100
2011	30	31	336,923,400	\$19.20	13,900
2010	29	30	264,944,400	\$15.42	13,600
2009	27	28	237,502,107	\$11.76	13,700

\* Weighted Average Uniform Price = Class III milk price + producer price differential.

Table 2. 2019

Month	Milk Pounds	Price/cwt	Total Value	Dairies	Total WA Dairies
January	22,553,111	\$15.15	\$3,416,796	30	324
February	17,036,764	\$15.28	\$2,603,218	23	230
March	23,239,331	\$15.79	\$3,669,490	28	318
April	22,893,577	\$16.11	\$3,688,155	27	319
May	23,984,004	\$16.62	\$3,986,141	27	315
June	23,123,706	\$16.94	\$3,917,156	27	314
July	23,216,690	\$17.52	\$4,067,564	27	313
August	22,364,909	\$17.60	\$3,936,224	26	311
September	21,072,477	\$17.43	\$3,672,933	26	308
October	21,381,010	\$17.25	\$3,688,224	26	308
November	20,436,657	\$17.64	\$3,605,026	26	308
December	21,643,250	\$17.77	\$3,846,006	26	307
<b>TOTALS</b>	262,945,486	\$16.76	\$44,096,934	27	306



Photo by Don McMoran

U.S. dairy product consumption statistics reveal interesting trends. The USDA's Economic Research Service reports the following changes between 1975 and 2013:

- Milk and cream: 28% decrease in consumption
- **Yogurt: 645% increase in consumption**
- **Cheese: 89% increase in consumption**
- Evaporated and condensed milk: 16% decrease in consumption
- Frozen products: 23% decrease in consumption

Sources:

2019 Washington Annual Agriculture Bulletin, USDA National Agricultural Statistics Service, Northwest Regional Field Office.

2019 Pacific Northwest Federal Milk Marketing Order, USDA Agricultural Marketing Service Dairy Programs.

# Vegetable Seed



Skagit County

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## VEGETABLE SEED PRODUCTION IN WESTERN WASHINGTON (ACRES)

Harvest Year	Skagit County					Total Clark	Total Clallam	Total Cowlitz	Total Island	Total Jefferson	Total Lewis	Total Snohomish	Total Whatcom	Total Western WA
	Beet	Cabbage	Spinach	Misc.	Total Skagit									
*2019	345	189	2045	45	2624	344	32	251	62	NA	116	643	70	4110
*2018	598	271	2036	67	2972	35	35	493	57	10	176	766	94	4638
*2017	486	260	1956	17	2719	NA	NA	NA	67	10	300	742	54	3892
*2016	581	236	1260	45	2122	NA	NA	NA	73	10	300	507	45	3057
*2015	609	250	1227	25	2111	NA	NA	NA	56	10	250	503	43	2973
*2014	734	202	1622	20	2578	NA	NA	NA	50	10	200	252	30	3120
*2013	1005	322	2139	25	3491	NA	NA	NA	59	1	NA	479	50	4080
*2012	733	388	1847	50	3018	NA	NA	NA	44	1	NA	531	57	3651
*2011	668	339	1454	68	2529	NA	NA	NA	76	1	NA	235	NA	2841
*2010	512	495	1619	44	2670	NA	NA	NA	46	1	NA	384	NA	3101
*2009	305	433	1631	75	2444	NA	NA	NA	70	NA	NA	315	NA	2829
*2008	457	381	1456	20	2314	NA	NA	NA	60	NA	NA	367	NA	2741
*2007	530	400	1493	80	2503	NA	NA	NA	73	NA	NA	272	26	2874
*2006	519	352	1680	69	2620	NA	NA	NA	60	NA	NA	458	NA	3138
2003	316	93	790	20	1219	NA	45	-	34	10	-	272	93	1673
2002	313	95	770	26	1204	NA	71	-	105		110	234	102	1826
2001	710	349	1112	190	2361	NA	78	-	126		194	417	79	3255
2000	763	410	2412	215	3800	NA	100	-	256		146	661	112	5075

Beginning in 2006 production numbers are based on "Pinned" acres by seed company representation at WSU NWREC on March 1st and June 1st.



## VEGETABLE SEED PRODUCTION IN WESTERN WASHINGTON (DOLLARS)

Harvest Year	Skagit County					Clark	Clallam	Cowlitz	Island	Jefferson	Lewis	Snohomish	Whatcom	Total Western WA
	Beet	Cabbage	Spinach	Misc.	Total Skagit									
2019	1,035,000	1,890,000	6,135,000	135,000	9,195,000	1,032,000	144,000	753,000	620,000	NA	464,000	3,215,000	700,000	16,123,000
2018	1,794,000	2,710,000	6,108,000	201,000	10,813,000	227,500	175,000	1,479,000	570,000	100,000	528,000	4,100,000	470,000	18,462,500
2017	1,458,000	2,598,000	5,868,000	51,000	9,975,000	NA	NA	NA	670,000	100,000	1,500,000	3,707,500	530,000	16,482,500
2016	2,324,000	2,362,000	3,780,000	135,000	8,601,000	NA	NA	NA	728,000	100,000	1,500,000	2,532,500	450,000	13,911,500
2015	1,827,000	1,250,000	3,681,000	75,000	6,833,000	NA	NA	NA	278,000	100,000	500,000	1,509,000	213,000	9,433,000
2014	2,202,000	2,016,000	4,866,000	60,000	9,144,000	NA	NA	NA	150,000	400,000	800,000	1,004,000	150,000	11,648,000
2013	1,512,500	1,932,000	5,347,500	62,500	8,854,500	NA	NA	NA	292,500	2,500	NA	2,395,000	250,000	11,794,500
2012	1,899,000	1,940,000	5,541,000	75,000	9,455,000	NA	NA	NA	217,500	1,500	NA	1,703,000	388,500	11,765,500
2011	2,004,000	1,693,500	4,847,000	102,000	8,646,500	NA	NA	NA	381,500	1,500	NA	705,000	NA	9,734,500
2010	1,536,000	2,473,500	4,857,000	132,000	8,998,500	NA	NA	NA	230,250	NA	NA	1,152,000	NA	10,380,750
2009	915,000	2,166,250	4,894,500	225,000	8,200,750	NA	NA	NA	347,500	NA	NA	1,017,000	NA	9,565,250
2008	1,143,300	1,905,500	4,366,599	100,000	7,515,399	NA	NA	NA	300,000	NA	NA	1,100,100	NA	8,915,499
2007	953,640	1,198,500	2,238,750	120,000	4,510,890	NA	NA	NA	219,000	NA	NA	527,700	78,000	5,335,590
2006	519,000	352,800	1,680,000	39,000	2,590,800	NA	NA	NA	180,450	NA	NA	458,000	120,300	3,349,550
2003	560,507	346,429	828,369	62,550	1,797,855	NA	269,907	-	183,771	8,025	-	437,676	133,782	2,831,016
2002	630,897	492,849	1,152,622	17,906	2,294,274	NA	250,682	-	290,534	-	129,969	588,275	204,560	3,758,294
2001	1,481,266	1,501,946	2,099,945	178,890	5,262,047	NA	374,673	-	545,636	-	121,853	973,485	52,427	7,330,121
2000	1,192,711	2,036,666	3,345,547	606,589	7,181,513	NA	319,102	-	847,693	-	193,710	1,773,375	265,203	10,580,596

# Crop Acreage/Yield



## SKAGIT COUNTY CROP ACREAGE SUMMARY \*

CROP	2019	2010	2000	1990	1978
Apples <sup>(1)</sup>	80	100	373	103	n/a
Blackberries	475	60	n/a	n/a	n/a
Blueberries	4,800	1,200	625	xxx	xxx
Brussels Sprouts	1,750	10	n/a	n/a	n/a
Carrots (processing)	0	200	800	468	890
Cucumbers (processing)	500	1000	2,396	1,900	1,094
Beans	1,500	1	n/a	n/a	n/a
Field Crops <sup>(2)</sup>	34,000	35,000	22,650	33,050	25,000
Grass Seed	1700	650	1,081	xxx	xxx
Misc. Crops <sup>(3)</sup>	4,000	4,000	3,623	665	975
Peas (processing)	0	0	7,233	14,880	15,898
Potatoes	12,000	10,500	9,500	7,250	1,520
Rasp/Blueberries	See separate listings	See separate listings	See separate listings	420	524
Raspberries	350	1,300	1,441	xxx	xxx
Strawberries	550	475	390	615	550
Sweet Corn, processing	0	0	0	616	1,098
Vegetable Seed <sup>(4)</sup>	2,624	2,669.7	3,800	3,375	4,891



### TYPICAL YIELDS (per/acre)

Apples	40 bins
Blueberries	6-10 tons
Flower bulbs	50,000 bulbs
Cucumbers	7 ton-10 tons
Green peas	2 tons
Potatoes	20-25 tons
Raspberries	3.5-4.5 tons
Ryegrass seed	1500 lbs

- 1) Includes no nonbearing trees.
- 2) Field Crops include alfalfa, barley, corn & grass silage, grass, oats,, small grain, & wheat.
- 3) Refer to Crops Grown in Skagit County on page 22.
- 4) Vegetable Seed includes beet, cabbage, swiss chard and spinach.

\* Figures shown are unofficial estimates based on input from processing companies, growers, agricultural organizations and agencies, field representatives, news articles, and Extension Agent experience. Crops grown by fewer than three producers are combined to protect confidentiality. Official agricultural figures are collected every five years by USDA, National Agricultural Statistics Service. The last Census of Agriculture was collected for the year 2012 and can be viewed at the following web site: <https://www.agcensus.usda.gov/Publications/2012/>

# Statistical Summary



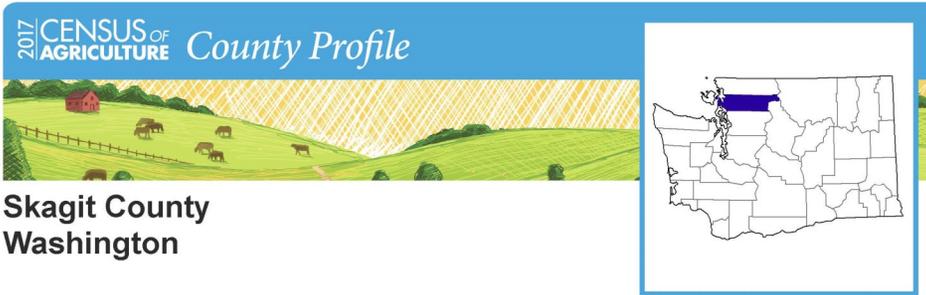
STATISTICAL SUMMARIES: *					
Dollar Value to Producer					
Crop	2019	2010	2000	1990	1978
Apples <sup>(1)</sup>	110,000	200,000	865,200	592,250	xxx
Blackberries	1,500,000	30,000	n/a	n/a	n/a
Blueberries	21,500,000	6,000,000	3,011,646	xxx	xxx
Brussels Sprouts	8,500,000	50,000	n/a	n/a	n/a
Carrots processing)	0	600,000	985,600	493,794	1,181,157
Cucumbers (processing)	500,000	1,500,000	5,220,773	4,944,034	1,920,930
Dairy (milk sold)	44,096,934	40,854,426	43,895,519	53,122,168	23,885,268
Beans	2,250,000	1,500	n/a	n/a	n/a
Eggs and Fryers <sup>(2)</sup>	27,500,000	25,000,000	12,309,000	14,016,877	5,177,500
Field Crops <sup>(3)</sup>	34,000,000	30,000,000	9,423,600	12,844,718	2,575,000
Grass Seed	3,400,000	487,500	545,000	xxx	xxx
Livestock	12,500,000	7,500,000	8,123,000	4,400,000	5,493,283
Misc.Crops <sup>(4)</sup>	35,000,000	20,000,000	16,944,598	2,046,600	176,000
Nursery & Greenhouse, Floriculture & Sod	55,000,000	50,000,000	56,207,469	24,000,000	4,900,000
Peas (processing)	0	0	3,044,092	5,640,903	7,117,743
Potatoes	60,000,000	52,500,000	52,725,000	33,746,600	2,032,800
Raspberries/ Blueberries	See separate listings	See separate listings	See separate listings	1,179,450	1,789,058
Raspberries	900,000	8,400,000	4,143,347	xxx	xxx
Strawberries	1,900,000	2,500,000	2,725,643	2,496,280	1,233,314
Sweet Corn (processing)	0	0	0	187,828	1,187,462
Vegetable Seed <sup>(5)</sup>	9,195,000	10,380,750	7,566,503	3,144,352	1,828,968
<b>TOTALS</b>	<b>317,851,934</b>	<b>256,004,176</b>	<b>227,735,900</b>	<b>162,855,854</b>	<b>60,498,483</b>



Photo by Jason VanderKoooy

1. Includes no acres nonbearing trees.
2. State public disclosure restrictions prevent the publishing of “farm-gate” values. The figure for Eggs & Fryers reflects the “overall value” of the industry to the county.
3. Field Crops include alfalfa, barley, corn & grass silage, grass, oats, small grain, & wheat.
4. Refers to Crops Grown in Skagit County on page 22.
5. Vegetable Seed includes, beet, cabbage, Chinese cabbage, rutabaga, spinach.

\*Figures shown are unofficial estimates based on input from processing companies, growers, agricultural organizations and agencies, field representatives, news articles, and Extension Agent experience. Crops grown by fewer than three producers are combined to protect confidentiality. Official agricultural figures are collected every five years by USDA, National Agricultural Statistics Service. The last Census of Agriculture was collected for the year 2012 and can be viewed at the following web site: <http://www.nass.usda.gov/census/>. For state information, contact Washington Agricultural Statistics (360/902-1940).



## Skagit County Washington

### Total and Per Farm Overview, 2017 and change since 2012

	2017	% change since 2012
Number of farms	1,041	-3
Land in farms (acres)	97,664	-8
Average size of farm (acres)	94	-5
<b>Total</b>	<b>(\$)</b>	
Market value of products sold	287,096,000	+5
Government payments	407,000	-72
Farm-related income	7,400,000	+10
Total farm production expenses	250,953,000	-1
Net cash farm income	43,951,000	+57
<b>Per farm average</b>	<b>(\$)</b>	
Market value of products sold	275,789	+9
Government payments (average per farm receiving)	5,029	-59
Farm-related income	18,363	+10
Total farm production expenses	241,069	+3
Net cash farm income	42,220	+62

### Farms by Value of Sales

	Number	Percent of Total <sup>a</sup>
Less than \$2,500	563	54
\$2,500 to \$4,999	113	11
\$5,000 to \$9,999	75	7
\$10,000 to \$24,999	87	8
\$25,000 to \$49,999	37	4
\$50,000 to \$99,999	37	4
\$100,000 or more	129	12

### Farms by Size

	Number	Percent of Total <sup>a</sup>
1 to 9 acres	387	37
10 to 49 acres	401	39
50 to 179 acres	158	15
180 to 499 acres	46	4
500 to 999 acres	32	3
1,000 + acres	17	2

### 3 Percent of state agriculture sales

#### Share of Sales by Type (%)

Crops	67
Livestock, poultry, and products	33

#### Land in Farms by Use (%) <sup>a</sup>

Cropland	67
Pastureland	12
Woodland	12
Other	9

#### Acres irrigated: 23,544

24% of land in farms

#### Land Use Practices (% of farms)

No till	4
Reduced till	3
Intensive till	12
Cover crop	10

Skagit County  
Washington, 2017  
Page 2

### Market Value of Agricultural Products Sold

	Sales (\$1,000)	Rank in State <sup>b</sup>	Counties Producing Item	Rank in U.S. <sup>b</sup>	Counties Producing Item
<b>Total</b>	<b>287,096</b>	<b>9</b>	<b>39</b>	<b>277</b>	<b>3,077</b>
<b>Crops</b>	<b>191,167</b>	<b>10</b>	<b>39</b>	<b>149</b>	<b>3,073</b>
Grains, oilseeds, dry beans, dry peas	5,733	15	33	1,591	2,916
Tobacco	-	-	-	-	323
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	86,674	4	38	40	2,821
Fruits, tree nuts, berries	21,905	13	39	107	2,748
Nursery, greenhouse, floriculture, sod	73,606	1	37	38	2,601
Cultivated Christmas trees, short rotation woody crops	58	17	30	356	1,384
Other crops and hay	3,192	17	39	801	3,040
<b>Livestock, poultry, and products</b>	<b>95,929</b>	<b>9</b>	<b>39</b>	<b>536</b>	<b>3,073</b>
Poultry and eggs	(D)	9	39	(D)	3,007
Cattle and calves	9,778	16	39	1,266	3,055
Milk from cows	59,506	5	29	145	1,892
Hogs and pigs	74	14	39	988	2,856
Sheep, goats, wool, mohair, milk	174	21	39	888	2,984
Horses, ponies, mules, burros, donkeys	239	17	39	853	2,970
Aquaculture	(D)	4	33	21	1,251
Other animals and animal products	(D)	(D)	39	(D)	2,878

### Total Producers <sup>c</sup>

<b>Sex</b>	<b>1,838</b>
Male	1,044
Female	794
<b>Age</b>	
<35	131
35 - 64	1,039
65 and older	668
<b>Race</b>	
American Indian/Alaska Native	9
Asian	20
Black or African American	3
Native Hawaiian/Pacific Islander	-
White	1,790
More than one race	16
<b>Other characteristics</b>	
Hispanic, Latino, Spanish origin	39
With military service	225
New and beginning farmers	441

### Percent of farms that:

Have internet access	<b>83</b>
Farm organically	<b>5</b>
Sell directly to consumers	<b>18</b>
Hire farm labor	<b>25</b>
Are family farms	<b>96</b>
<b>Top Crops in Acres <sup>d</sup></b>	
Forage (hay/haylage), all	16,052
Vegetables harvested, all	13,792
Potatoes	9,896
Corn for silage or greenchop	8,046
Barley for grain	4,993
<b>Livestock Inventory (Dec 31, 2017)</b>	
Broilers and other meat-type chickens (D)	
Cattle and calves	29,525
Goats	613
Hogs and pigs	211
Horses and ponies	1,528
Layers	13,686
Pullets	2,872
Sheep and lambs	1,243
Turkeys	458

See 2017 Census of Agriculture, U.S. Summary and State Data, for complete footnotes, explanations, definitions, commodity descriptions, and methodology.

<sup>a</sup> May not add to 100% due to rounding. <sup>b</sup> Among counties whose rank can be displayed. <sup>c</sup> Data collected for a maximum of four producers per farm. <sup>d</sup> Crop commodity names may be shortened; see full names at [www.nass.usda.gov/go/cropnames.pdf](http://www.nass.usda.gov/go/cropnames.pdf). <sup>e</sup> Position below the line does not indicate rank. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (Z) Less than half of the unit shown. (-) Represents zero.



### COMMERCIAL CROPS GROWN IN SKAGIT COUNTY

#### **Fruit**

Aronia\*  
Blackberry  
Blueberry  
Boysenberry\*  
Cantaloupe\*  
Currant\*  
Lingonberry\*  
Loganberry\*  
Marionberry\*  
Raspberry  
Strawberry  
Tayberry\*  
Watermelon\*  
Wine Grape

#### **Tree Fruit**

Apple  
Asian pear\*  
Cherry\*  
Hasselnut/Filbert  
Peach\*  
Pear\*  
Plum\*  
Quince\*

#### **Vegetables**

Artichoke  
Asparagus and asparagus root\*  
Basil\*  
Bean  
Beet\*

Bok Choy\*  
Broccoli  
Brussels sprout  
Burdock\*  
Cabbage  
Carrot  
Cauliflower  
Chives\*  
Cucumber  
Garlic\*  
Green pea\*  
Hothouse Tomato\*  
Kale\*  
Kohlrabi\*  
Leek  
Lettuce  
Mizuna\*  
Onion\*  
Parsley\*  
Parsnip\*  
Pepper  
Potato  
Pumpkin  
Radish\*  
Rhubarb\*  
Salad Mix  
Spinach\*  
Summer squash  
Sweet corn  
Swiss chard\*  
Tomatillo\*  
Tomato\*

Turnip\*  
Winter squash

#### **Seed Crops - Vegetable**

Arugula  
Broccoli-raab  
Brussels sprouts  
Cabbage  
Cauliflower  
Chinese cabbage  
Chinese kale  
Chinese mustard  
Coriander  
India mustard  
Kale  
Kohlrabi  
Parsley  
Parsnip  
Radish  
Rutabaga  
Spinach  
Swiss chard  
Table Beet  
Turnip

#### **Seed/Pulse Crops - Other**

Fava bean  
Pinto bean  
Red bean  
Ryegrass  
Tall fescue

#### **Small Grains**

Barley  
Buckwheat  
Cereal rye  
Oats  
Triticale  
Wheat

#### **Forage Crops**

Alfalfa  
Field corn  
Silage grass

#### **Flowers and Bulbs**

Daffodil  
Dahlia  
Iris  
Lily  
Tulip

#### **Miscellaneous Crops**

Bamboo  
Christmas trees  
Dill\*  
Fennel\*  
Gourds\*  
Hybrid poplar  
Marijuana  
Sod  
Tea\*

\*Less than ten acres



### **ORGANIZATIONS, BUSINESSES AND AGENCIES SERVING SKAGIT COUNTY AGRICULTURE**

- Agrilink Foods
- Bank of the Pacific
- Bio Huma Netics, Inc.
- Brim Tractor
- Cascadian Farms
- Conway Feed
- Cucumber Industry Advisory Committee
- D & D Farms
- Farm Service Administration
- Farmers Equipment Company
- Gielow Pickles
- Harmony Dairy
- Natural Resources Conservation Service
- Northwest Ag Business Center
- Northwest Agricultural Research Foundation
- Northwest Bulb Growers
- Northwest Farm Credit Services
- Northwest Food Processors Association
- Peoples Bank
- Puget Sound Seed Growers Association
- Rabo Bank
- Rijk Zwaan Seed
- Sakata Seed Company
- Sakuma Bros.
- Schafer Agriculture Services
- Skagit Bank
- Skagit Conservation District
- Skagit County Cattlemen's Association
- Skagit County Dairy Federation
- Skagit County Farm Bureau
- Skagit County Farmland Legacy Program
- Skagit County Horticultural Pest Board
- Skagit Dairy Women
- Skagit Farmers Supply
- Skagit Seed Services
- Skagit Valley Red Potato Growers Assn.
- Skagitonians to Preserve Farmland
- Small Fruit Advisory Committee
- Sustainable Connections
- Syngenta Seeds, Inc.
- USDA Natural Resources Conservation Service
- USDA Farm Service Agency
- Tree Fruit Industry Advisory Committee
- Twin City Foods
- Valley Pride Sales
- Vikima Seed USA
- Viva Farms
- WA Blueberry Commission
- WA Lettuce & Vegetable Co.
- WA Red Raspberry Commission
- WA Seed Potato Commission
- WA State Dairy Federation
- WA State Potato Commission
- Washington Tractor
- Western WA Agricultural Association
- Western WA Fruit Research Foundation
- Western WA Small Seed Advisory Committee
- Wilbur Ellis Company
- WSU Mount Vernon Northwestern  
Washington Research & Extension Center
- WSU Clallam County Extension
- WSU Clark County Extension
- WSU Jefferson County Extension
- WSU Skagit County Extension
- WSU Whatcom County Extension

# Acknowledgements



Skagit County

WASHINGTON STATE UNIVERSITY  
EXTENSION

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Hedlin Farms  
Hughes Farms  
Knutzen Farms  
McMoran Farms  
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Northwest Agriculture Business Center  
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Ralph's Greenhouse  
Sakuma Brothers Farm  
Sakata Seed Company  
Schafer Ag Services, LLC  
Semini's Vegetable Seed Co.  
Skagit Farmers Supply  
Skagit Seed Services  
Skagit Select  
Skagit Valley Herald  
Sky Harvest Produce  
Sterling Hills Potato Farm

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US Department of Labor  
Valley Pride Sales  
Vikima Seed, USA  
Viva Farms  
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Washington Fryer Commission  
Washington State Potato Commission  
Washington Red Raspberry Commission  
Washington State Employment Security Department  
Washington Strawberry Commission  
Western Washington Agriculture Association  
Wilbur Ellis Company  
WSU Mount Vernon Northwestern Washington  
Research and Extension Center



Photo by Don McMoran