

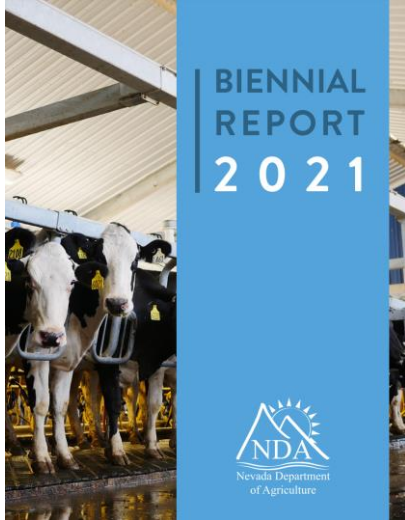
# Nevada Agriculture Economic Outlook

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# Nevada Agriculture



## **\$4.71 billion dollars in economic output in 2020:**

- Agriculture (ranching & farming): **\$787.8 million dollar**
- Food & Beverage manufacturing: **\$3.925 billion dollars.**

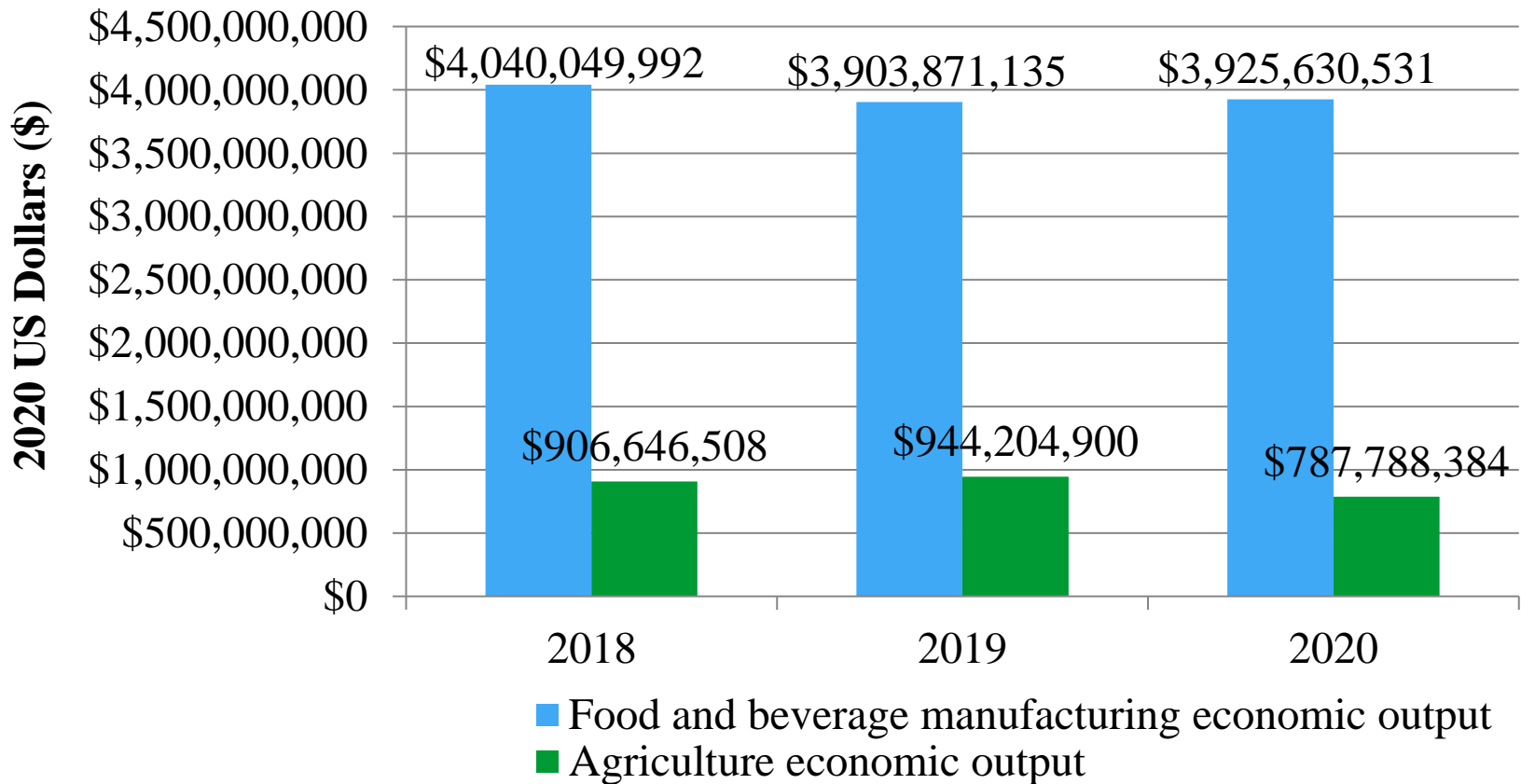
Source: IMPLAN 2020 Data

The food and agriculture sector creates:

- 18,092 direct jobs
- Over \$273.2 million in wages (Source: BLS, 2021).

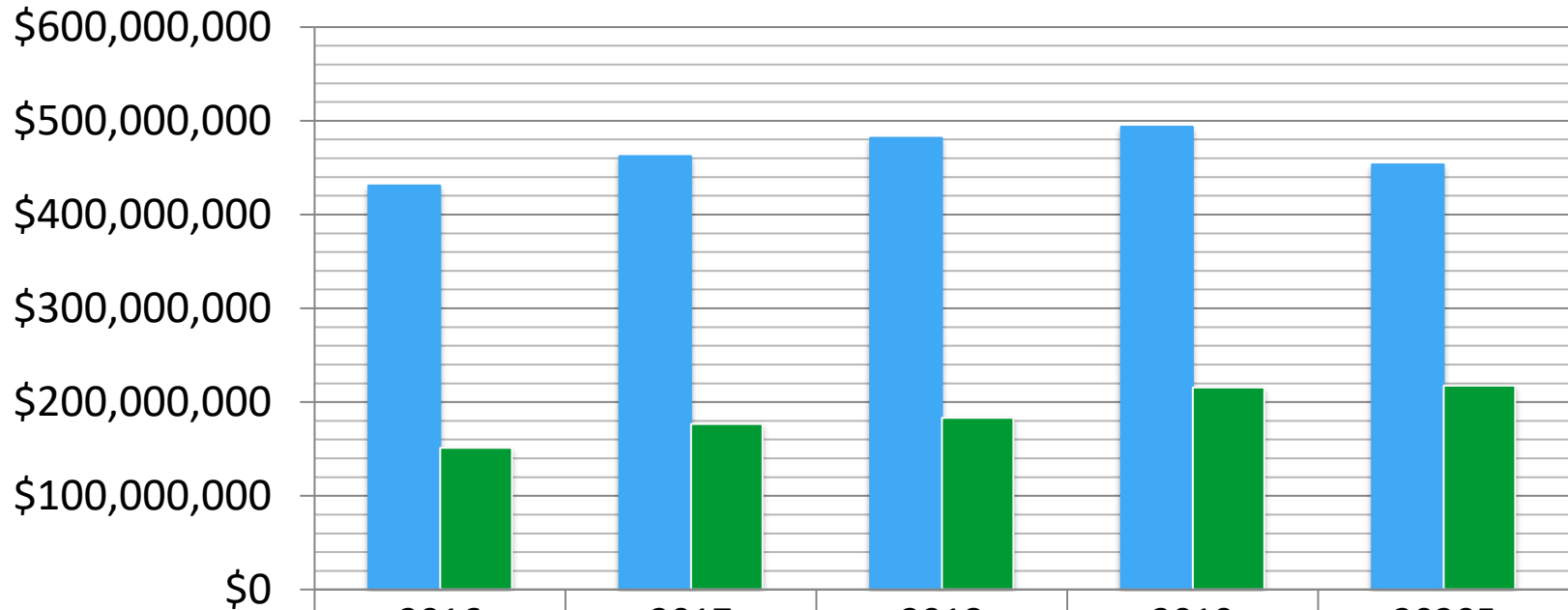


# Nevada Economic Output



Source: Implan Group, LLC. IMPLAN(2020). Huntersville, NC. Implan.com

# Nevada Farm and Ranch Gross Income Trend

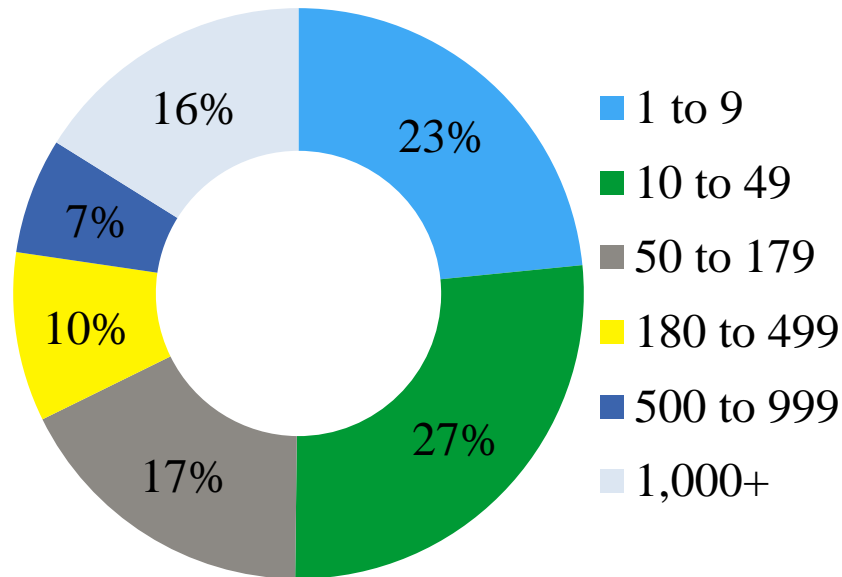


	2016	2017	2018	2019	2020F
Animals and animal products	\$430,960,000	\$462,302,000	\$481,734,000	\$493,637,000	\$453,510,397
Crops	\$151,322,000	\$176,524,000	\$183,079,000	\$215,409,000	\$217,468,816

Source: USDA, ERS Farm Income and Wealth Statistics (2020)

# Nevada's Farms & Ranches

Farms & ranches broken down by size (acreage)



Most farms and ranches are relatively small operations.

Source: USDA, NASS  
NDA Industry Survey, 2020

# Agriculture Production in 2020

- **Total Farms:**
- **Animal Production:**
  - Beef Cattle: 336,376 head
  - Dairy Cattle: 36,188 head    Milk Production: 765,000,000 lbs.
  - Sheep: 93,812 head
  - Goats: 6,746 head
  - Pigs/Hogs: 3,857 head
  - Primarily chickens: 15,964 layers
- **Crop Production:**
  - Hay: 1,147,000 tons of hay (770,000 tons of Alfalfa)
  - Wheat: 1,890,000 bushels
  - Corn Silage: 214,316 tons
  - Vegetables/Melons: \$18 million (>3,199 acres of production)
  - Aquaculture production: \$2.9 million
  - Other major areas: potatoes, onions, garlic

Source: USDA, NASS  
NDA Head Tax, 2020

# Diversity of Production:

- Fruits - not including melons (apples, berries, grapes, etc.)
- Melons (cantaloupe, watermelons, etc.)
- Summer/Winter Squash (crookneck, zucchini, patty pan, acorn, etc.)
- Leafy greens (kale, spinach, arugula, collard, etc.)
- Tuber Crops (potatoes, sweet potatoes, yams, etc.)
- Herbs/Spices (mint, rosemary, sage, basil, etc.)
- Root vegetables (carrots, turnips, radish, etc.)
- Allium (onions, garlic, shallots, etc.)
- Pulses (dried: beans, lentils, peas, etc.)
- Legumes non-fodder (harvested green)
- Ancient grains (teff, einkorn, emmer, amaranth, etc.)
- Cereals - not ancient grain (wheat, rice, maize, millet, barley, etc.)
- Oil seeds (soybean, castor, linseed, sunflower, etc.)



# Impacts of COVID-19:

- **Industry Survey: Impact of COVID-19 on business on a scale of 1-10 (1 being the lowest and 10 being the highest):**
  - Average of Crop Industry: **7.35**
  - Average of Livestock Industry: **5.16**
  - Average of Food, beverage, and specialty product manufacturing: **8.15**
  - Average Hemp industry: **7.70**
- **CARES Act: NV Agriculture received over \$64.8 million in economic stimulus:**
  - \$24.8 million from the first round of CFAP\*
  - \$22.5 million from CFAP 2
  - Over \$16.4 million in loans through the paycheck protection program
  - \$789,421 Inventory and Distribution System for NV Ag. Produce & Products
  - \$351,253 NV Agriculture Adaptability and Recovery Program

## Sources:

NDA Industry Survey (2020)

USDA, Farm Service Agency CFAP (2021)

US Department of Treasury, SBA (2020)

\*CFAP: Coronavirus Food Assistance Program



# Nevada's food and beverage manufacturing

- Total Economic Output in 2020: **\$3.925 billion**
- 80 small to medium sized manufacturers generated:
  - \$640,602,300 in revenue
  - \$80,766,250 in expense
- 89.79% of all production took place in Nevada.

Sources:  
IMPLAN Group, LLC. IMPLAN(2020). Huntersville, NC. Implan.com  
NDA Industry Survey (2020)

## Top 20: NV Food and Beverage Manufacturing

Manufacturing Category	2020 Total Output
Bottled and canned soft drinks & water	\$402,403,800
Bread and bakery product, except frozen, manufacturing	\$389,060,930
Fluid milk manufacturing	\$245,871,951
All other food manufacturing	\$213,215,133
Ice cream and frozen dessert manufacturing	\$210,320,159
Spice and extract manufacturing	\$208,216,263
Coffee and tea manufacturing	\$179,496,601
Soybean and other oilseed processing	\$175,953,468
Meat processed from carcasses	\$174,928,388
Mayonnaise, dressing, and sauce manufacturing	\$169,866,797
Dog and cat food manufacturing	\$159,180,346
Frozen specialties manufacturing	\$137,854,316
Other animal food manufacturing	\$119,288,527
Frozen cakes and other pastries manufacturing	\$117,154,065
Canned fruits and vegetables manufacturing	\$106,906,716
Frozen fruits, juices and vegetables manufacturing	\$104,751,992
Confectionery manufacturing from purchased chocolate	\$100,412,518
Other snack food manufacturing	\$99,046,423
Cookie and cracker manufacturing	\$94,363,116
Breakfast cereal manufacturing	\$94,104,222

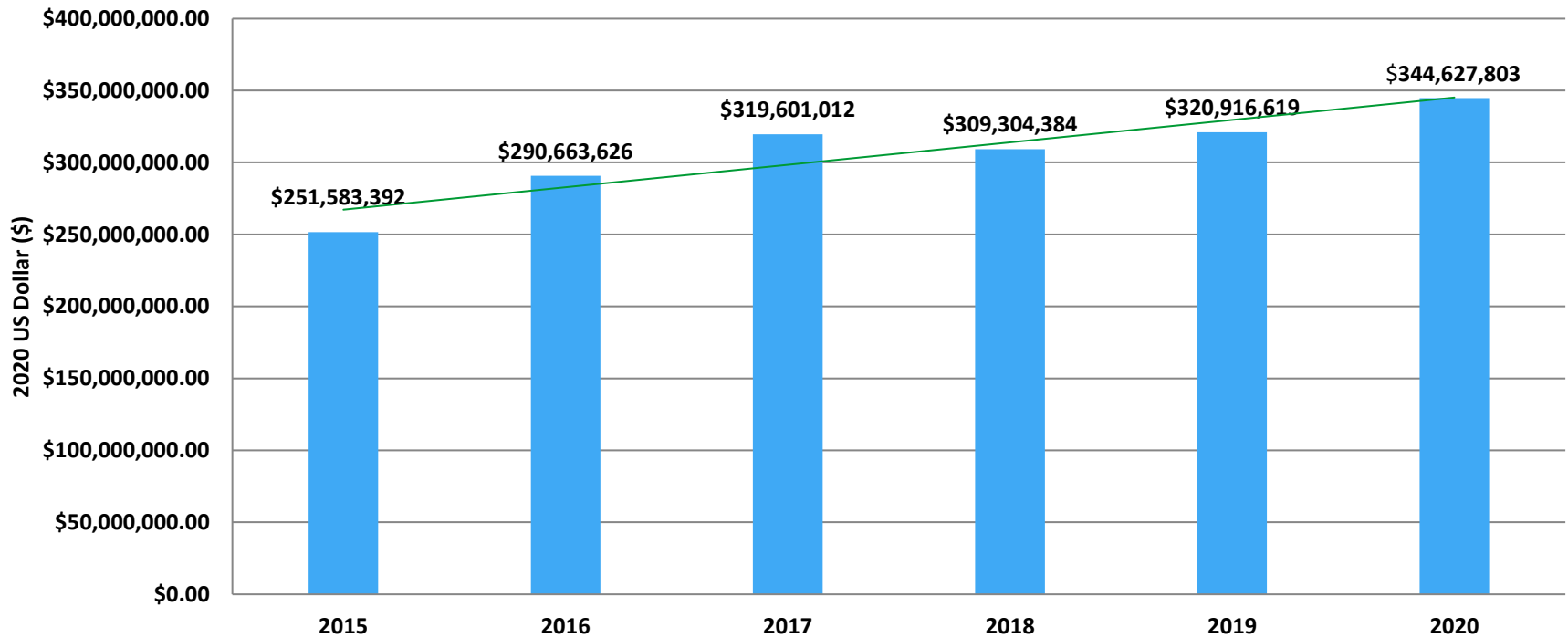
# Food and Beverage Manufacturing

- Nevada has significant potential as a major west coast food manufacturing hub.
- Over the last 10 years there has been a rapid increase in the number of food and beverage manufacturing facilities locating to Nevada's urban areas.
- From 2017-2018 Nevada's food manufacturing sector grew from \$3.6 billion to \$4.4 billion in economic output.
- The same strengths that lead the area to growth in logistics and tech tend to lend themselves to expanded growth in food and beverage manufacturing. (primarily due to transportation and supply chain connectivity)
  - Southern Nevada to Southern California and Arizona
  - Western Nevada with Northern California
  - Eastern Nevada economically linked to the inland northwest and Salt Lake City.



# NV Food and Ag Exports totaled over \$344.6 million in 2020

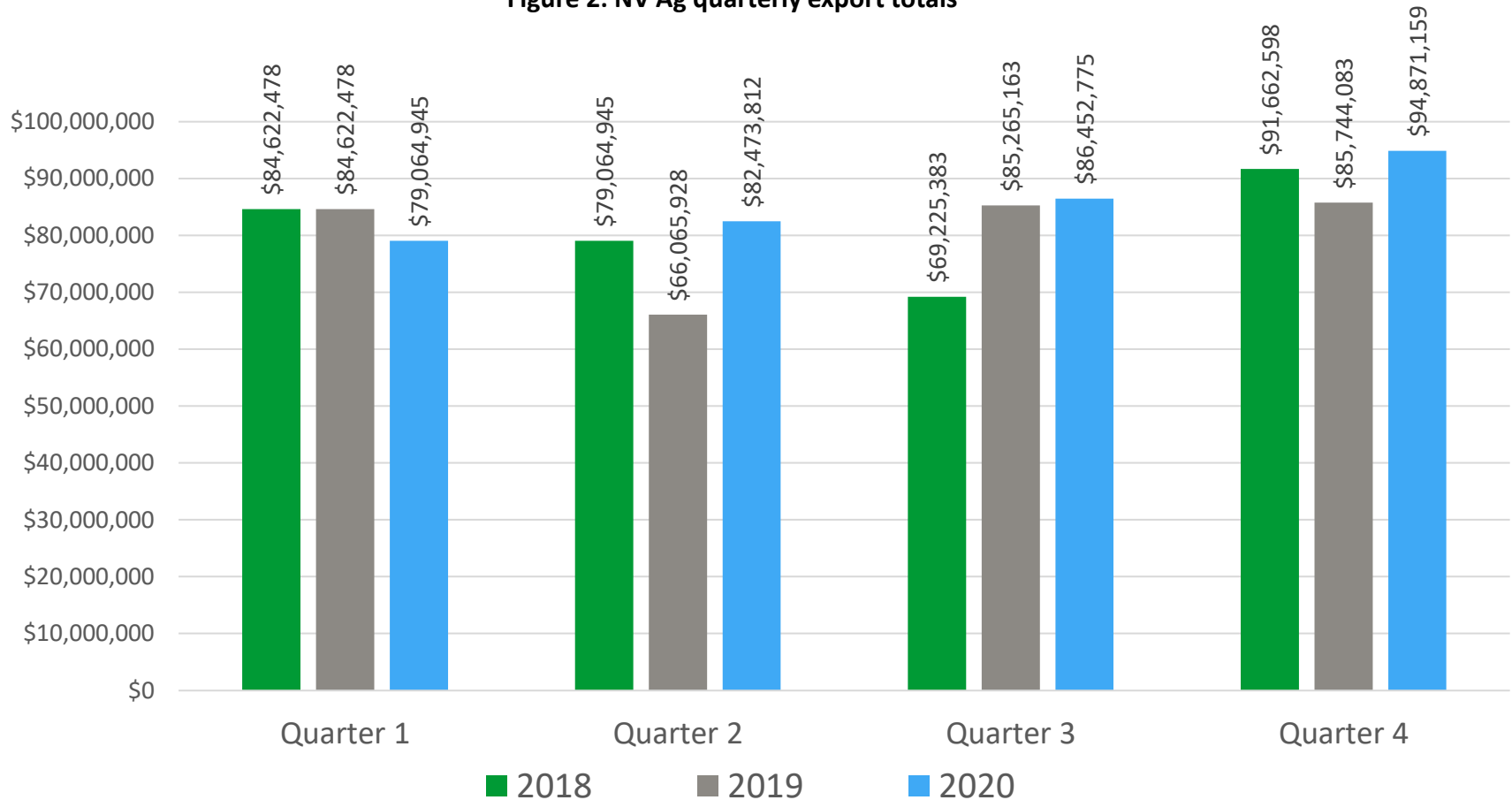
Figure 1: Nevada agriculture exports by year














Source: US Census Bureau, 2021

# NV Exports by Fiscal Quarter

Figure 2: NV Ag quarterly export totals



# Nevada Direct Agricultural Exports

	2019 Exports	2020* Exports
South Korea	\$53,394,891	\$57,160,279 
Canada	\$60,086,779	\$57,081,188 
Peru	\$9,655,974	\$35,847,970 
Japan	\$32,486,817	\$33,659,285 
China	\$27,055,412	\$27,859,314 
Mexico	\$44,633,450	\$26,022,155 
Indonesia	\$4,521,194	\$8,964,175 
Singapore	\$10,339,236	\$12,319,721 
Taiwan	\$4,943,500	\$4,424,707 
Columbia	\$18,452,933	\$10,594,509 
Australia	\$13,250,475	\$13,613,526 
Chile	\$4,950,248	\$90,647 

- 2019 Trade disputes had a significant impact on NV's agriculture exports.
- In 2019 alone imports totaled \$539 million. These imports led to an agriculture trade deficit of \$215.9 million. (even with continued growth in exports)
- In 2020 with closures of gaming and restaurants there was a rapid decline in institutional purchasing (and major consumer increases in local food system purchasing in some areas by as much as 300%) this likely played a major roll in Nevada's 2020 agriculture deficit declining to \$36.2 million.
- NV had an Ag Trade Surplus from Apr. to Aug.(again in Nov). This was attributable to health policy and COVID-19's effects on consumer spending .
- Typically in Nevada for every \$1 invested in agriculture we see around \$1.40 in regional economic activity. Similar purchasing networks in Nevada could have a positive outcome: (1) with less food miles (2) increased economic support for small/medium sized producers.

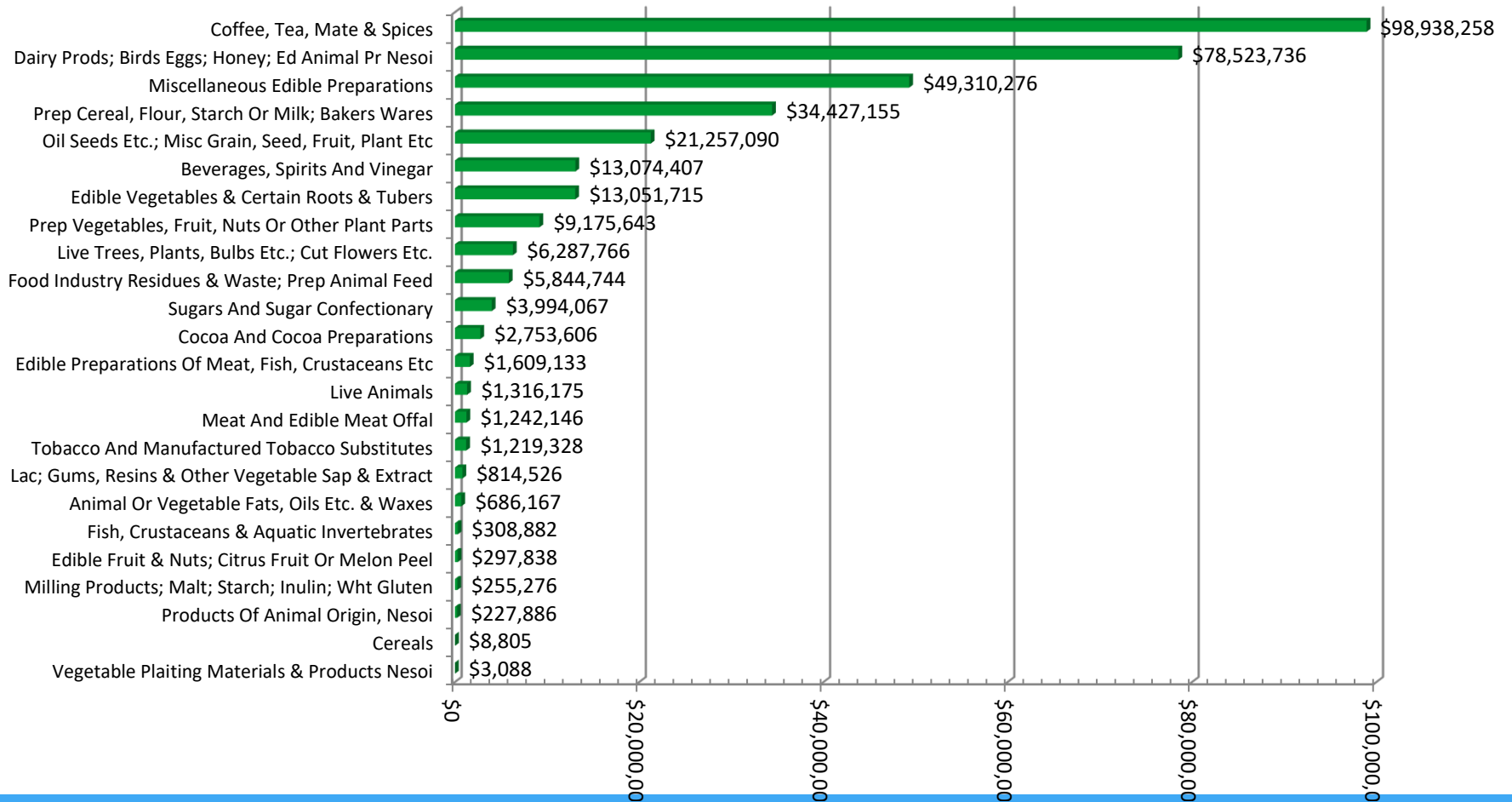
Source: Euromonitor, 2021

USA Trade, 2021

agri.nv.gov

# Wide range of products being exported:

Figure 4: Nevada 2020 top exports



# Economic Development and the Agriculture Sector

- Nevada's food and agriculture sector has significant growth potential both in our urban and rural areas.
- In addition to helping food and agriculture businesses grow, the NDA is dedicated to accurately measuring the economic output and production of our industry. This will help to improve the food and agriculture sector in Nevada.
- Starting in 2020 we launched an industry survey program This helps us better measure our sector in real-time. It also helps to supplement federal data (which suffers from accuracy and omission issues).

**Thank you**

Global Trade & Economic Development Program:

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