



Chris Cadwallader
USDA NASS DE

Delaware Agriculture

Ed Kee, Secretary of Agriculture



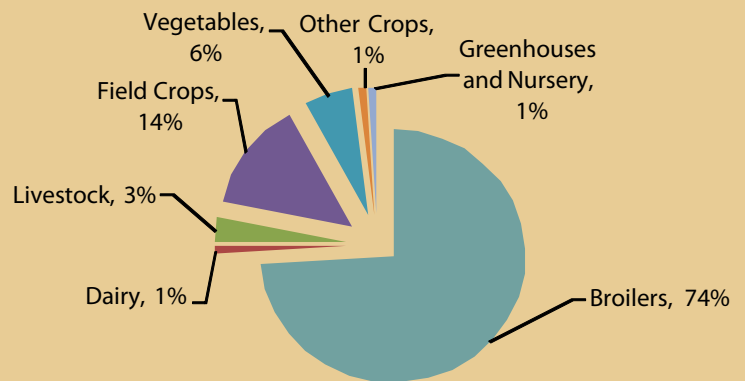
Economics

- The annual aggregate (direct, indirect, and induced) economic contribution of agriculture to Delaware's economy is estimated at nearly \$8 billion. The annual value of agricultural production is over \$1 billion.
- The value of agricultural products sold annually directly to consumers is over \$3.5 million.
- Kent and Sussex counties are in the top 2 percent of 3,079 U.S. counties in value of vegetables sold.
- Delaware ranks #1 nationally in the value of agricultural products sold per farm at \$425,387 and value of agricultural production produced per acre of land in farms at \$2,123.

Delaware's Agricultural Marketing Receipts (2010)

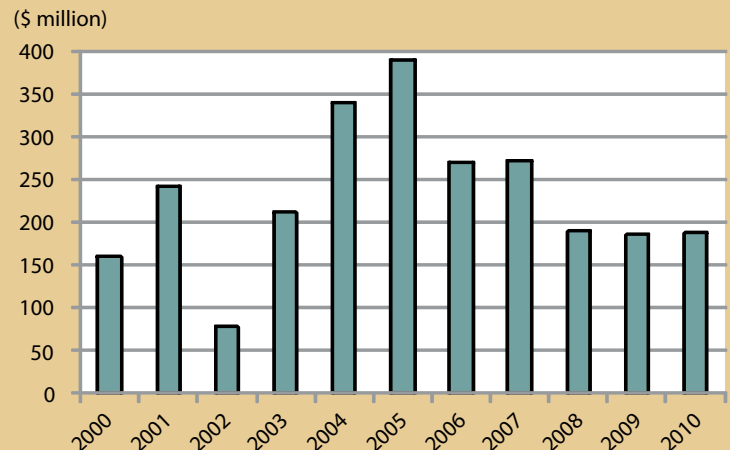
Crops	Receipts
Barley	\$ 1,816,000
Corn	\$ 70,312,000
Greenhouse and Nursery	\$ 18,200,000
Hay	\$ 1,637,000
Soybeans	\$ 59,767,000
Vegetables (All)	\$ 59,452,000
<i>Total Fresh Market Vegetables</i>	\$ 32,699,000
Beans, Snap	\$ 981,000
Cabbage	\$ 654,000
Cantaloupes	\$ 850,000
Cucumbers	\$ 425,000
Potatoes	\$ 4,284,000
Pumpkins	\$ 2,093,000
Strawberries	\$ 425,000
Sweet Corn	\$ 9,058,000
Tomatoes	\$ 1,896,000
Watermelons	\$ 10,856,000
Other Vegetables	\$ 1,177,000
<i>Total Vegetables for Processing</i>	\$ 26,753,000
Green Lima Bean	\$ 7,544,000
Sweet Corn	\$ 5,163,000
Green Peas	\$ 2,756,000
Other Vegetables	\$ 11,290,000
Wheat	\$ 14,254,000
Other Crops	\$ 6,864,000
Total Crops	\$ 232,302,000
Livestock	
Broilers/Roasters	\$ 786,094,000
Cattle & Calves	\$ 5,955,000
Dairy Products	\$ 16,376,000
Hogs & Pigs	\$ 2,698,000
Other Poultry, Livestock & Products	\$ 19,643,000
Total Livestock	\$ 830,766,000
Total All Commodities	\$1,063,068,000

Delaware Agricultural Marketing Receipts, 2010 Major Commodities as a Percent of Total



Marketing receipts for broilers includes the value of broilers owned by poultry companies (Contractors) at the point of the production cycle when they are transported from the broiler grow-out farms (Contractees) to the poultry processing plants.

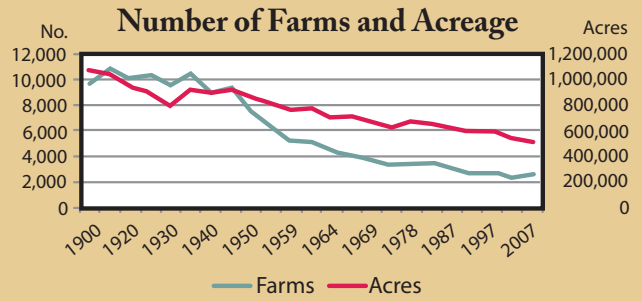
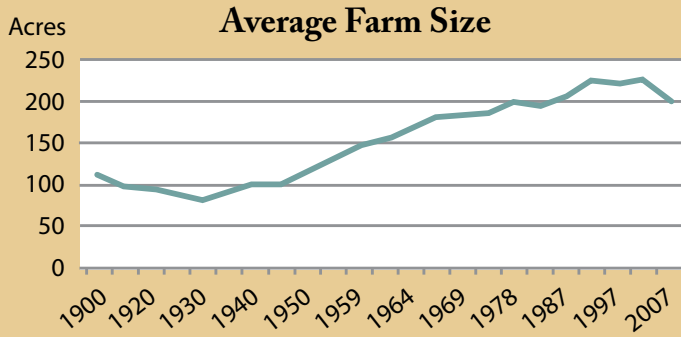
Volatility of Delaware Net Farm Income 2000 - 2010



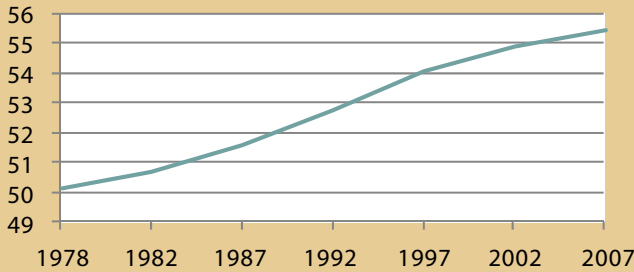
While commodity prices have risen in recent years, production input costs (seed, fuel, fertilizer, etc.) have also increased resulting in a relatively flat level of net farm income over the past three years.

Demographics

The land in Delaware's 2,500 farms accounts for 39 percent of all land in Delaware.



Average Age of Principal Farm Operator



Principal Farm Operators by Age Group, 2007

Age of Operator	% of Operations
Under 25 years	1.2
26 to 34 years	4.0
35 to 44 years	13.9
45 to 54 years	28.2
55 to 59 years	15.1
60 to 64 years	12.8
65 to 69 years	11.8
70 years & over	13.0

In 2007, 38% of Delaware's principal farm operators were age 60 or greater. While Delaware has permanently preserved over 100,000 acres of land in farms, consideration must also be given to the human resources needed to run those farms as the average age of farm operators continues to rise due to the prohibitive high capital cost required to establish a new farming operation.

In 2011, Delaware was the first state in the U.S. to establish a "Young Farmers Program". This \$3 million program will provide a long-term, no-interest loan to qualifying applicants to assist with the purchase of a farm. In return, the state receives a permanent agricultural easement on the property purchased.



Farms, Acreages, and Inventories

	Farms ¹	Acres
Corn for grain	843	183,000
Corn for silage	73	7,000
Wheat	340	80,000
Barley	137	35,000
Soybeans	817	170,000
Vegetables	233	42,200
<i>Total Fresh Market Vegetables</i>	187	11,400
Cabbage	6	490
Cantaloupes	42	300
Cucumbers	47	170
Potatoes	19	1,600
Pumpkins	36	800
Snap Beans	45	970
Strawberries	101	100
Sweet Corn	49	3,300
Tomatoes	82	300
Watermelons	86	2,700
Other Vegetables	7	670
<i>Total Vegetables for Processing</i>	89	30,800
Green Lima Bean	33	13,000
Sweet Corn	35	6,700
Green Peas	27	3,900
Other Vegetables	20	7,200
		Inventory
Broilers	778	51,092,495 ¹
Cattle & Calves	399	18,000
Hogs & Pigs	77	5,000
Sheep & Lambs	56	903 ¹
Equine ²	2,000	13,000
Goats	232	3,530 ¹
Bee Colonies	48	546

¹2007, Census of Agriculture

²2004, DE Equine Industry Survey

Conservation

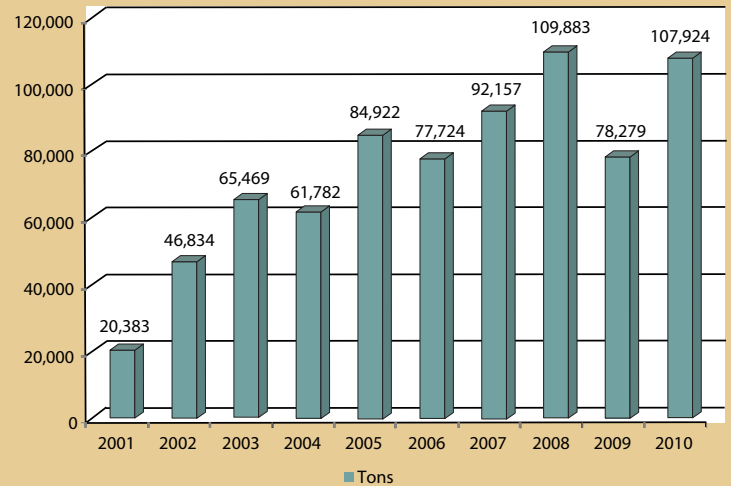
- Delaware is #1 in the U.S. in percent of its land in farms preserved.
- Out of 156,468 total acres of land in farms preserved by the Delaware Department of Agriculture, 67% or 105,267 acres are permanently preserved.
- Agricultural lands enrolled in USDA conservation programs has increased from 321,972 acres in 2006 to 373,319 acres in 2011, an increase of 16% or 51,347 acres.

USDA Conservation Program	Acres Enrolled 2011	% change from 2006
* AMA - Agricultural Management Assistance	3,918	17%
**** CRP/CREP - Conservation Reserve Program	6,680	-15%
*** CSP - Conservation Security Program	57,620	371%
* EQIP - Environmental Quality Incentives Program	266,910	92%
** FRPP - Farm and Ranch Land Protection Program	26,373	-83%
** GRP - Grassland Reserve Program	45	-18%
* WHIP - Wildlife Habitat Incentives Program	9,749	29%
** WRP - Wetland Reserve Program	2,024	210%
Total Acres in All Programs:	373,319	16%
* Cost Share Programs (up to 10 year contracts)	280,577	88%
** Easement Programs (30 years to permanent)	28,442	-81%
*** Stewardship Program (10 year contracts)	57,620	371%
**** Cropland Rental Program (10 to 15 contracts)	6,680	15%

Note: The acreage listed above does not include state or local government conservation programs nor does it include NGO's such as a Nature Conservancy, Delaware Wildlands or other non-governmental organization conservation programs. Source: USDA NRCS.

The Delaware Nutrient Management Relocation Program was established in 2001 to assist in the transport of excess manure from Delaware farms to land (in and out of the Delmarva Peninsula) in need of its constituent nutrients or to alternative use sources such as mushroom operations, organic fertilizer processors, etc. This extremely successful program has greatly reduced the amount of excess nitrogen and phosphorous applied to Delaware cropland.

Relocation of Poultry Litter



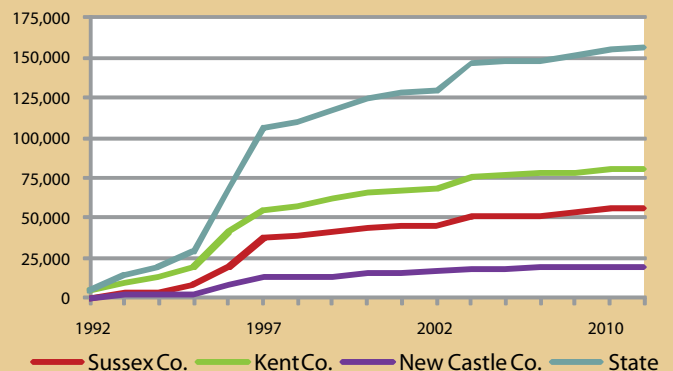
Irrigation

In 2007, Delaware had 104,562 acres of cropland irrigated, 26% of the 409,468 total cropland acres harvested. Irrigated cropland is beneficial to the environment because nutrients can be applied through the irrigation system (fertigation), which delivers the amount of nutrients required by the plants at the appropriate growth stage to both maximize yields and minimize the loss of nutrients applied due to runoff caused by heavy rains.

The Delaware Rural Irrigation Program (DRIP) was established in 2011 as a revolving no-interest loan fund available to qualified Delaware farmers to add new irrigation systems. The loan fund finances up to 25 percent of the total irrigation project cost, not to exceed \$25,000, at zero interest for a term of no longer than seven years with repayment of principal beginning in year three of the loan. A bank or other lending institution must loan the remaining balance of the project.

The goal is to significantly increase the amount of irrigated cropland in Delaware which will further lessen agriculture's footprint on the environment and improve profitability for farmers.

Agricultural Lands Preservation Foundation Acres Preserved by County and State

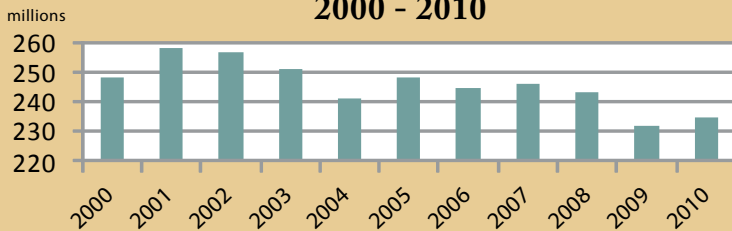


Poultry Industry

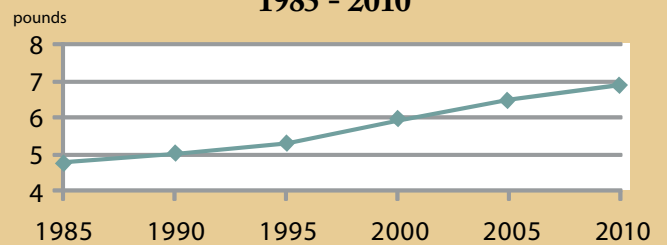
- ☛ The majority of the economic impact of the agricultural sector comes from the production of poultry, which produces an annual aggregate industry output of \$3.2 billion with a total of 13,400 jobs.
- ☛ Sussex County is the birthplace of the nation's broiler chicken industry and ranks #1 in the U.S. in broiler production with over 200 million birds produced each year.
- ☛ The number of broiler/roaster/Cornish hen houses is approximately 2,000.
- ☛ The industry uses about 30,600,000 bushels of corn and 11,500,000 bushels of soybeans annually for broiler feed.
- ☛ Annual grower contract payments total approximately \$74,500,000.



Broiler Production - Head
2000 - 2010



Average Live Weight per Bird
1985 - 2010

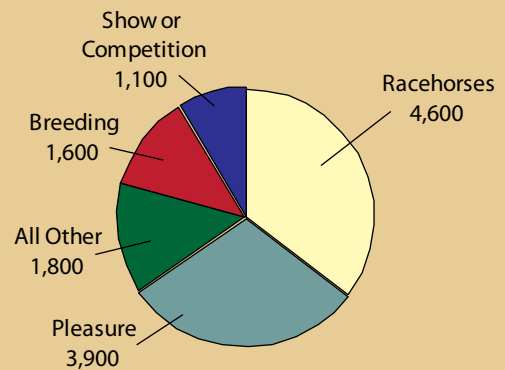


Equine Industry - 2004

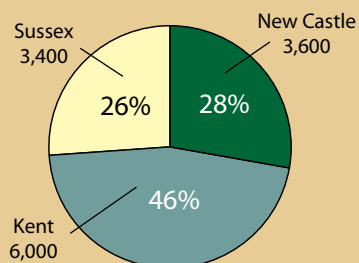
- ☛ Delaware ranks 3rd nationally in the number of equine per county. In 2004: 13,000 equine in Delaware.
- ☛ Delaware has three racetracks: Delaware Park is a Thoroughbred racetrack located in New Castle County while Dover Downs and Harrington Raceway are Standardbred racetracks located in Kent County.
- ☛ The equine industry expends approximately \$280 million in Delaware each year.



Equine by Primary Use



Equine Inventory by County



2003 Equine-related Expenditures

