



Turkeys Raised

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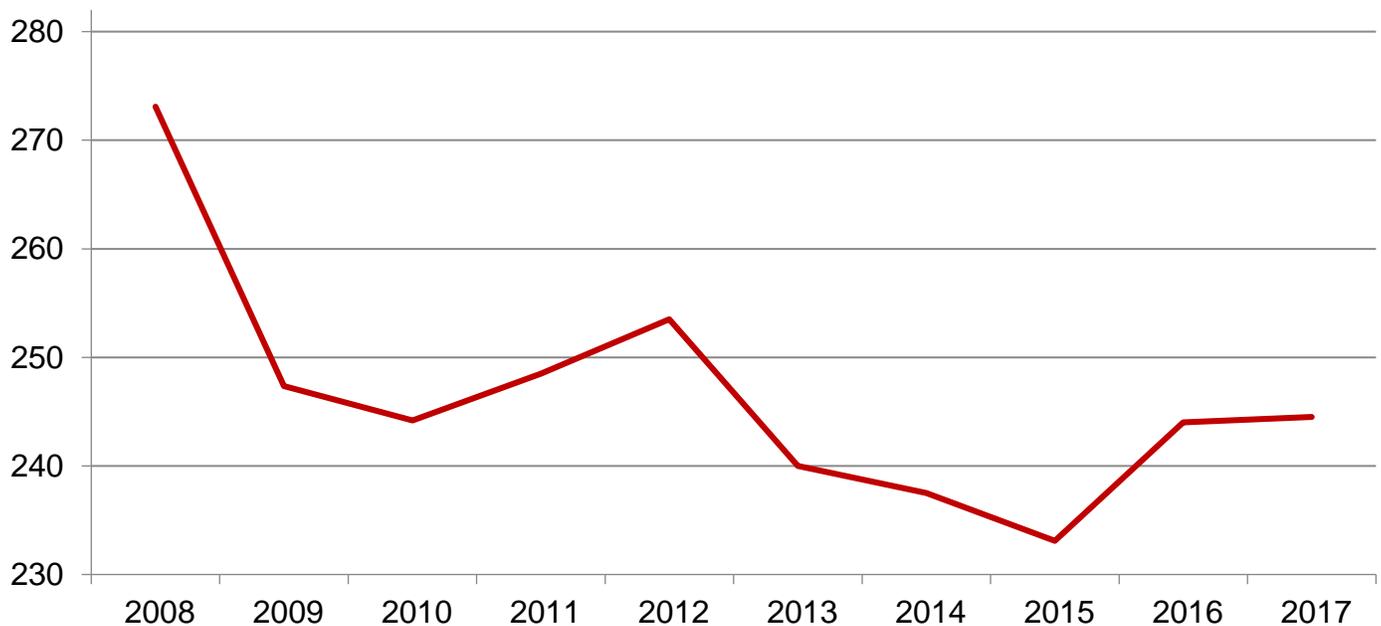
Turkeys Raised Up Slightly from 2016

Turkeys Raised in the United States during 2017 is forecasted at 245 million, up slightly from the number raised during 2016.

A combination of six states account for nearly two-thirds of the turkeys produced in the United States during 2017. The largest turkey producing state is Minnesota, at 42.5 million turkeys, down 4 percent from the previous year. North Carolina is up 1 percent from last year, producing 34.0 million turkeys. Arkansas produced 26.5 million turkeys, which is up 2 percent from the previous year. Indiana is up 2 percent from a year ago to 19.8 million turkeys. Missouri is up 1 percent from last year, producing 19.3 million turkeys. Virginia is down 1 percent from the previous year at 17.0 million turkeys.

Number of Turkeys Raised – United States

Million head



Number of Turkeys Raised – States and United States: 2016 and 2017

| State | Number raised | | 2017 as percent of 2016 |
|---------------------------------|---------------|--------------|-------------------------|
| | 2016 | 2017 | |
| | (1,000 head) | (1,000 head) | (percent) |
| Arkansas | 26,000 | 26,500 | 102 |
| California | 11,400 | 11,500 | 101 |
| Indiana | 19,500 | 19,800 | 102 |
| Iowa | 11,700 | 12,100 | 103 |
| Michigan | 5,400 | 5,200 | 96 |
| Minnesota | 44,500 | 42,500 | 96 |
| Missouri | 19,200 | 19,300 | 101 |
| North Carolina | 33,500 | 34,000 | 101 |
| Ohio | 5,800 | 6,700 | 116 |
| Pennsylvania | 7,300 | 7,500 | 103 |
| South Dakota | 4,200 | 4,100 | 98 |
| Utah | 4,700 | 5,000 | 106 |
| Virginia | 17,200 | 17,000 | 99 |
| West Virginia | 3,700 | 3,500 | 95 |
| Other States ¹ | 29,900 | 29,800 | 100 |
| United States | 244,000 | 244,500 | 100 |

¹ Includes State estimates not shown and States withheld to avoid disclosing data for individual operations.

Statistical Methodology

Survey Procedures: Data for turkeys raised estimates are collected from all known operations raising 1,000 or more turkeys annually. NASS regional offices maintain a list of all known turkey grow-out operations. Approximately 340 turkey grow-out operations are contacted in September and February. The data collected were received by electronic data reporting (EDR), mail, telephone, and face-to-face personal interviews.

Estimating Procedures: Turkeys raised preliminary estimates include young turkeys intended for meat production and breeder turkeys reaching maturity during the calendar year. These estimates exclude turkeys lost to disease or those destroyed. Placement of turkey poults from the monthly Turkey Hatchery Survey and indications from the September Turkeys Raised Survey provide the basis for the preliminary estimates published in September. Final estimates, published in April, use indications from the February Turkeys Raised Survey in addition to updated hatchery data. Other indications for the final estimates are obtained from monthly slaughter totals and check-off data provided by state turkey or poultry associations.

Revision Policy: Estimates from the previous year are subject to revision when final raised estimates are made in April. Revisions are primarily based on updated hatchery and slaughter data. Estimates will also be reviewed after data from the five-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: Turkeys raised estimates are based on a census of all known turkey grow-out operations, and therefore have no sampling error. However, estimates are subject to errors such as omissions, duplication, mistakes in reporting or recording, and processing of the data. While these errors cannot be measured directly, they are minimized through strict quality controls in the data collection process, and through a careful review of all reported data for consistency and reasonableness.

To assist in evaluating the reliability of the estimates in this report, the “Root Mean Square Error” for number of turkeys raised is shown in the following table. The “Root Mean Square Error” is a statistical measure based on past performance and is computed using the differences between first and final estimates. The “Root Mean Square Error” for number of turkeys raised over the past 10 years is 1.1 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 245 million turkeys by more than 1.1 percent. Chances are 9 out of 10 that the difference will not exceed 2.1 percent.

Reliability of September Turkeys Raised Estimates

[Based on data for the past ten years]

| Item | Root mean square error | 90 percent confidence level | Difference between first and latest estimate | | | | |
|---------------------|------------------------|-----------------------------|--|----------|---------|--------------|--------------|
| | | | Average | Smallest | Largest | Years | |
| | | | | | | Below latest | Above latest |
| | (percent) | (percent) | (1,000) | (1,000) | (1,000) | (number) | (number) |
| Number raised | 1.1 | 2.1 | 2,338 | 500 | 5,100 | 4 | 6 |

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

| | |
|---|----------------|
| Vacant, Chief, Livestock Branch | (202) 720-3570 |
| Bruce Boess, Head, Poultry and Specialty Commodities Section | (202) 720-4447 |
| Aaron Cosgrove – Egg Products, Poultry Slaughter, Turkey Hatchery, Turkeys Raised | (202) 690-3237 |
| Alissa Cowell-Mytar – Cold Storage | (202) 720-4751 |
| Brenda Hill – Catfish Production, Trout Production | (202) 720-6147 |
| Tom Kruchten – Census of Aquaculture | (202) 690-4870 |
| Kim Linonis – Layers, Eggs | (202) 690-8632 |
| Joshua O’Rear – Cost of Pollination, Honey, Honey Bee Colonies..... | (202) 690-3676 |
| Miste Salmon – Broiler Hatchery, Chicken Hatchery, Mink | (202) 720-3244 |

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