

# Turkeys Raised

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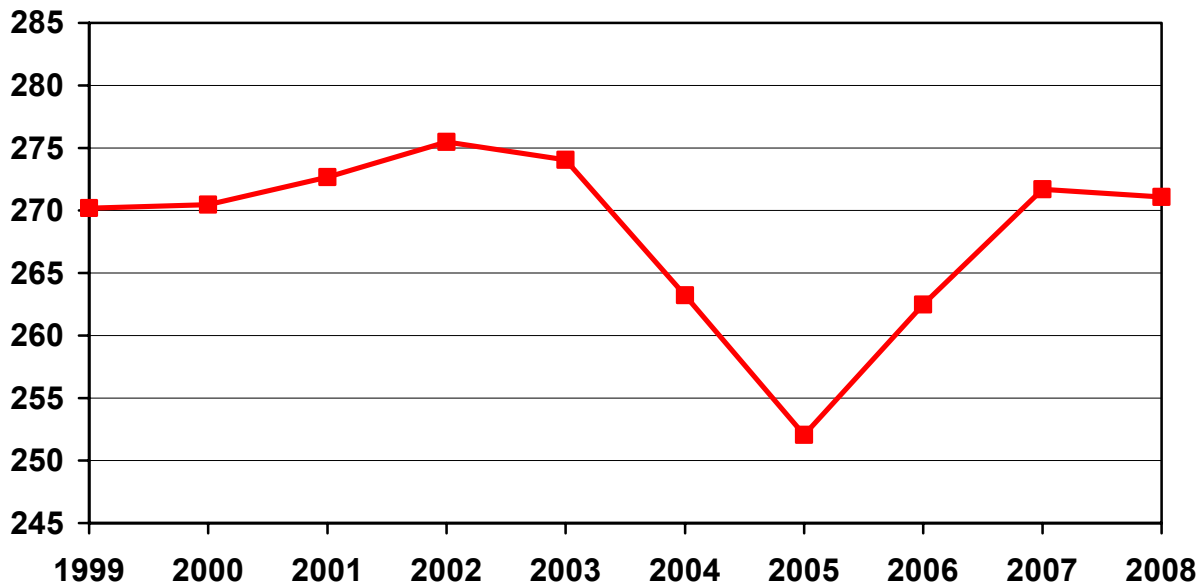
## Turkeys Raised Down Slightly from 2007

The preliminary estimate of turkeys raised in the United States during 2008 is 271 million, down slightly from the number raised during 2007.

The following six States are expected to account for about two-thirds of the turkeys produced in the United States during 2008: **Minnesota**, at 49.0 million turkeys, is up 2 percent from last year; **North Carolina**, at 39.0 million turkeys, is unchanged from last year; **Arkansas**, at 31.0 million turkeys, is unchanged from a year ago; **Virginia**, at 21.0 million turkeys, is unchanged from 2007; **Missouri**, at 20.0 million turkeys, is unchanged from last year; and **Indiana**, at 15.9 million turkeys, is up 5 percent from last year.

## U.S. Number of Turkeys Raised

Million Head



**Turkeys: Number Raised by State and United States, 2007-2008**

State	Number Raised <sup>1</sup>		2008 as % of 2007
	2007 <sup>2</sup>	2008	
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AR	31,000	31,000	100
CA	16,000	15,700	98
IL	2,700	2,700	100
IN	15,100	15,900	105
IA	8,300	9,000	108
MD	750	760	101
MA	55	58	105
MI	4,800	4,800	100
MN	48,000	49,000	102
MO	20,000	20,000	100
NJ	39	35	90
NY	640	630	98
NC	39,000	39,000	100
ND	1,700	1,200	71
OH	5,200	5,200	100
PA	11,500	11,500	100
SC	10,500	10,500	100
SD	4,500	4,600	102
VT	51	51	100
VA	21,000	21,000	100
WV	3,500	3,500	100
Oth Sts <sup>3</sup>	27,350	24,950	91
US <sup>4</sup>	271,685	271,084	100

<sup>1</sup> Excludes young turkeys lost.

<sup>2</sup> Revised.

<sup>3</sup> CO, KS, NE, OK, TX, UT, and WI combined to avoid disclosing individual operations.

<sup>4</sup> 28 State total.

**Reliability of Turkeys Raised Estimates**

**Data Sources:** The monthly Turkey Hatchery Survey provides the basis for the preliminary turkeys raised estimates published in August. Turkey hatchery estimates are made in 18 States each month and provide the number of eggs in incubators, poult hatched, and net poult placed in production. United States import and export data are included in the preliminary estimates for turkeys raised.

**Estimation Procedures:** Turkeys raised preliminary estimates include young turkeys intended for meat production, as well as breeder turkeys which reach maturity during the calendar year. These estimates exclude turkeys lost to disease or those destroyed. Placement of turkey poult from the monthly Turkey Hatchery Survey provide the basis for the preliminary estimates published in August. Final estimates, published in January, use indications from the December Growers 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 individual State turkey or poultry associations.

**Revision Policy:** Estimates for the previous year are subject to revision when preliminary raised estimates are made in August. Revisions are primarily based on updated hatchery and slaughter data, and at the U.S. level, are usually less than one half of one percent of the final estimate published in January. Estimates are also reviewed after data from the five year Census of Agriculture are available. No revisions are made after five-year census data revisions have been published.

**Reliability:** Turkeys raised preliminary estimates are based on a census of known active hatcheries and, therefore, have no sampling variability. However, estimates may be subject to errors such as omissions, duplication, and mistakes in reporting, recording, and processing of the data. These errors are minimized through strict quality controls in the edit and summarization process, and 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” is shown for selected items 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 1.2 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 271 million turkeys by more than 1.2 percent. Chances are 9 out of 10 that the difference will not exceed 2.3 percent.

**Reliability of August Turkeys Raised Estimates <sup>1</sup>**

Item	Root Mean Square Error	90 Percent Confidence Level			Difference Between First and Latest Estimates			Number of Years	
					Average	Smallest	Largest	First Above Latest	First Below Latest
					<i>Percent</i>	<i>Percent</i>	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>
Number Raised	1.2	2.3	6,167	2,753	9	5,560	4	6	

<sup>1</sup> Based on data for the past 10 years.

### Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information.

- Dan Kerestes, Chief, Livestock Branch ..... (202) 720-3570
- Bruce Boess, Head, Poultry and Specialty Commodities Section ..... (202) 720-4447
  - David Colwell - Cold Storage ..... (202) 720-8784
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