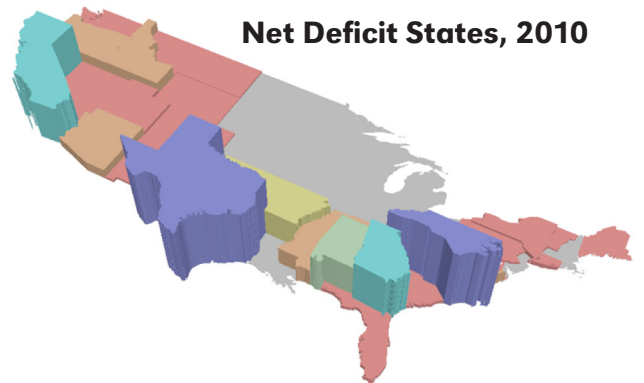
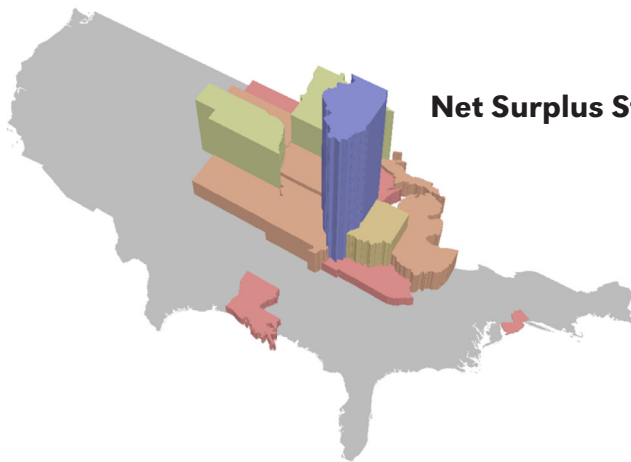


Supply and Utilization of Corn in the United States, by State, 2004-2010

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Abstract

This research report provides state-level estimates of corn production, stocks, livestock and poultry feeding, food and industrial uses (including ethanol), and seed use. The estimates were made from U.S. level data on supply and utilization. States with an estimated net surplus had corn available for meeting estimated needs in deficit states and for the export market. Also included were exports and imports by major countries. Excel® spreadsheets are available for each table on the University of Nebraska–Lincoln website, <http://extension.unl.edu/pubs> with publication RB351.

Keywords: corn, corn supply, corn utilization, production, feed use, industrial use, exports, stocks, ethanol.

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Dennis M. Conley supervised the development and production of this research report. It is the third in a series dating back to 1991. The original state-level supply and utilization estimates were tabulated by Matt G. Coble as part of his work toward an M.S. degree in agricultural economics. Steven B. Mitchell continued the work as a graduate student working on an MBA degree with a specialization in agribusiness. The result was Research Bulletin 345, *Corn Supply and Utilization in the United States, 1991-1999*, published as an NC-224 Multi-State Research Report by the Agricultural Research Division, Institute of Agriculture and Natural Resources, University of Nebraska–Lincoln. Christopher Kerr and Justin Stofer, both graduate students working on an MBA in agribusiness, updated the state-level estimates. The result was Research Bulletin 347, *Corn Supply and Utilization in the United States, 2000-2004*, published as an NC-1016 Multi-State Research Report by the Agricultural Research Division, Institute of Agriculture and Natural Resources, University of Nebraska–Lincoln.

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Introduction

The U.S. Department of Agriculture regularly publishes estimates of the supply, disappearance, and ending stocks of corn at the national level. The following table from USDA's Feed Yearbook is an example.

Feed Yearbook, Table 4--Corn: Supply and disappearance (million bushels)

Mkt year 1/	Supply				Disappearance						Ending stocks
	Beginning stocks	Production	Imports	Total supply 2/	Domestic use				Exports	Total disappearance 2/	
					Food, alcohol, and industrial use	Seed use	Feed and residual use	Total domestic use 2/			
2003/04	1,087	10,087	14	11,188	2,528	21	5,781	8,330	1,900	10,230	958
2004/05	958	11,806	11	12,775	2,687	21	6,135	8,842	1,818	10,661	2,114
2005/06	2,114	11,112	9	13,235	2,999	20	6,115	9,134	2,134	11,268	1,967
2006/07	1,967	10,531	12	12,510	3,517	24	5,540	9,081	2,125	11,207	1,304
2007/08	1,304	13,038	20	14,362	4,420	22	5,858	10,300	2,437	12,737	1,624
2008/09	1,624	12,092	14	13,729	5,003	22	5,182	10,207	1,849	12,056	1,673
2009/10	1,673	13,092	8	14,774	5,939	22	5,125	11,086	1,980	13,066	1,708

1/ September-August.

2/ Total may not add due to rounding.

Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

The objective of this research report was to provide state-level estimates of the supply and utilization of corn by the specific categories shown for the national estimates. For consistency, the state-level estimates started with the national estimates from the Feed Yearbook, like above, and used other USDA data sources and additional estimation methods to arrive at state-level estimates. Similar to Feed Yearbook estimates, the state-level estimates were for corn only with no adjustments for distillers' grain. To the author's knowledge, no known public sources or reports have published similar state-level estimates of corn utilization along with extensive documentation.

The state-level estimates for the utilization of corn were a unique feature of this research report. These include live-stock and poultry for feed; food and industrial uses coming from the production of high fructose corn syrup, glucose and dextrose, starch, fuel alcohol (ethanol), beverage alcohol, cereals and other products; and seed use. Background data for the estimates were provided on state-level livestock and poultry numbers; wet and dry corn milling capacities; beverage alcohol state shares; and ethanol plant capacities.

The report included published estimates on corn production and stocks at the state level. When combined with the estimates of state-level utilization, a net surplus or deficit of corn was estimated for each state. The net surpluses in states were available to meet the needs of net deficit states and the U.S. export market.

Also provided were state-level annual average prices for corn; monthly export bids at selected U.S. ports of export; annual unit value, by country, of corn exports from the U.S.; exports to the top 20 countries; and exports and imports of corn from major countries outside the U.S.

The section of the report titled, *Documentation for the Tables*, gives users the capability to replicate the data in the tables and do their own research. Included were detailed website locations, screen shots of web pages showing highlighted choices from the menus, and the methods used to make the state-level estimates.