



National Resources Inventory 2003 Annual NRI

Cultivated and Non-cultivated Cropland

February 2007

Estimates presented here are based upon the latest information from the National Resources Inventory (NRI). The NRI is a longitudinal sample survey based upon scientific statistical principles and procedures. It is conducted by the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS), in cooperation with Iowa State University's Center for Survey Statistics and Methodology. These results are based upon the 2003 Annual NRI, which statistically updates 1997 NRI results with data collected during 2000 – 2003. The NRI was conducted on a five-year cycle during the period 1982 to 1997, but now is conducted annually. NRI data were collected every five years for 800,000 sample sites; annual NRI data collection occurs at slightly less than 25 percent of these same sample sites. Current estimates cover the contiguous 48 states. Future estimates will include Hawaii, Alaska, the Caribbean, and selected Pacific Basin islands.

NRI data release procedures are affected by implementation of an annual data collection approach, because the scale of NRI estimates is affected by these reduced sample sizes. Estimates are being released when they meet NRI statistical standards and are scientifically credible in accordance with NRCS policy, and in accordance with OMB and USDA Quality of Information Guidelines.

The 2003 Annual NRI data are suitable for national, many regional, and some state level analyses. Selected state-level results are reported here. These results will be supplemented in 2008 with additional estimates that compare net change and land cover/use dynamics with previous inventories.

Until these supplements are released, direct comparisons between 1997 and 2003 NRI estimates to determine change or trends will produce incorrect inferences and is scientifically invalid because:

1. There have been improvements in statistical estimation techniques and procedures between 1997 and 2003.
2. Data from previous inventory cycles were reviewed (edited) concurrently with the 2003 NRI data collection effort.

Margins of error are reported for each NRI estimate and must be considered at all scales of analysis. The margin of error is used to construct the 95 percent confidence interval for the estimate. The lower bound of the interval is obtained by subtracting the margin of error from the estimate; the upper bound is obtained by adding the margin of error to the estimate. A 95 percent confidence interval means that in repeated samples from the same population, 95 percent of the time the true underlying population parameter will be contained within the lower and upper bounds of the interval. In the following tables, an asterisk (*) replaces the estimate if the margin of error is greater than the estimate. If the margin of error is greater than the estimate, the confidence interval includes zero, and the estimate should not be used.

**2003 Cultivated and Non-cultivated Cropland by State, in Thousands of Acres,
with Margins of Error**

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Alabama	1949.1 ±249.3	559.9 ±156.0	2509.0 ±189.2
Arizona	704.2 ±127.4	229.7 ±71.2	933.9 ±133.8
Arkansas	7250.5 ±460.6	271.5 ±68.7	7522.0 ±469.2
California	4892.9 ±686.4	4575.3 ±547.7	9468.2 ±716.5
Colorado	6945.3 ±665.1	1402.7 ±186.4	8348.0 ±646.3
Connecticut	63.9 ±19.5	108.3 ±26.1	172.2 ±31.2
Delaware	452.4 ±35.0	*	457.5 ±35.1
Florida	1461.0 ±257.4	1412.2 ±294.1	2873.2 ±383.3
Georgia	3536.5 ±219.9	615.4 ±131.8	4151.9 ±289.4
Idaho	4149.8 ±296.9	1302.8 ±138.5	5452.6 ±341.2
Illinois	23298.9 ±311.9	681.6 ±106.8	23980.5 ±272.6
Indiana	12535.3 ±253.9	780.3 ±172.3	13315.6 ±226.1
Iowa	24151.6 ±269.6	1359.5 ±197.2	25511.1 ±255.8

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Kansas	24618.9 ±445.5	1847.4 ±252.1	26466.3 ±401.6
Kentucky	3070.2 ±209.0	2408.3 ±231.8	5478.5 ±269.9
Louisiana	5186.3 ±223.0	248.7 ±72.1	5435.0 ±226.5
Maine	123.7 ±45.0	260.8 ±65.5	384.5 ±81.5
Maryland	1224.8 ±98.9	291.8 ±54.7	1516.6 ±92.4
Massachusetts	54.9 ±19.4	196.8 ±47.3	251.7 ±52.4
Michigan	6259.3 ±224.9	1837.9 ±232.9	8097.2 ±261.0
Minnesota	19094.6 ±435.4	2005.0 ±310.9	21099.6 ±522.1
Mississippi	4587.2 ±222.0	388.3 ±84.7	4975.5 ±234.5
Missouri	10235.4 ±303.3	3442.5 ±243.2	13677.9 ±283.4
Montana	11408.8 ±965.6	3117.8 ±527.9	14526.6 ±835.3
Nebraska	17745.2 ±459.5	1807.1 ±279.5	19552.3 ±440.9
Nevada	105.4 ±73.7	530.7 ±127.2	636.1 ±152.2

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
New Hampshire	18.8 ±9.0	105.8 ±26.9	124.6 ±27.1
New Jersey	362.6 ±54.6	165.3 ±38.5	527.9 ±56.9
New Mexico	1125.2 ±152.9	423.5 ±123.4	1548.7 ±199.9
New York	2097.8 ±182.0	3261.1 ±266.5	5358.9 ±228.9
North Carolina	4770.2 ±231.2	742.6 ±137.5	5512.8 ±248.8
North Dakota	22011.1 ±475.3	2255.4 ±219.9	24266.5 ±435.7
Ohio	9677.5 ±251.0	1565.8 ±208.6	11243.3 ±250.6
Oklahoma	8380.4 ±371.6	590.9 ±139.8	8971.3 ±410.0
Oregon	2443.9 ±246.7	1257.1 ±221.2	3701.0 ±296.6
Pennsylvania	2729.5 ±148.0	2394.8 ±209.5	5124.3 ±241.8
Rhode Island	3.8 ±3.7	16.5 ±11.1	20.3 ±11.0
South Carolina	2040.9 ±136.8	327.0 ±62.1	2367.9 ±132.3
South Dakota	14463.0 ±515.9	2623.6 ±309.4	17086.6 ±381.1

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Tennessee	3100.1 ±184.8	1649.9 ±157.8	4750.0 ±212.7
Texas	24853.4 ±733.3	708.9 ±202.6	25562.3 ±700.9
Utah	922.6 ±281.5	759.5 ±241.7	1682.1 ±196.7
Vermont	143.3 ±34.2	443.2 ±60.5	586.5 ±56.8
Virginia	1458.2 ±122.7	1404.2 ±117.9	2862.4 ±178.8
Washington	5407.2 ±381.0	1086.6 ±143.7	6493.8 ±366.7
West Virginia	109.9 ±42.8	710.7 ±137.6	820.6 ±142.5
Wisconsin	7789.7 ±351.0	2513.9 ±210.2	10303.6 ±330.8
Wyoming	851.6 ±174.8	1309.5 ±197.7	2161.1 ±296.6

Note: A * indicates that the margin of error is greater than the estimate.

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