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# 2004 ILLINOIS SOIL CONSERVATION

## TRANSECT SURVEY SUMMARY



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## 2004 ILLINOIS SOIL CONSERVATION TRANSECT SURVEY SUMMARY

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**2004**  
**ILLINOIS SOIL CONSERVATION TRANSECT SURVEY SUMMARY**

**Introduction**

The results of the tenth statewide Soil Conservation Transect Survey conducted in the spring and early summer of 2004 indicate that Illinois producers are continuing to manage their cropland to minimize soil erosion. The survey, initiated by the Illinois Department of Agriculture (IDA), involved the cooperation of Illinois' 98 Soil and Water Conservation Districts (SWCD), and the USDA Natural Resources Conservation Service (NRCS). The biennial surveys measure progress in reducing soil erosion to T or tolerable soil loss levels statewide. The tolerable soil loss for most soils is between 3 and 5 tons per acre per year. This is the amount of soil loss that can theoretically occur and be replaced by natural soil-building processes. Reducing soil loss to T is essential to maintaining the long-term agricultural productivity of the soil and to protecting water resources from sedimentation due to soil erosion.

**Transect Survey Background**

The Soil Conservation Transect Survey provides a snapshot of the current status of soil conservation efforts in Illinois. Survey results provide data on the presence of conservation practices in each county, as well as an estimate of remaining land treatment needs.

Since 1982, the Conservation Technology Information Center, in cooperation with local SWCDs and the NRCS, has conducted an annual survey of tillage practices. During the 1980s, local staff estimated usage of various conservation tillage systems within their county. Although this method required only a small amount of time to complete the survey, it was soon recognized that a different procedure was needed to provide more useful data.

In an effort to improve the quality of the county-level data generated for the annual tillage survey, representatives from the state's natural resource management agencies and organizations met in 1993 and reviewed several survey options. The group recommended a county transect-survey method for use in Illinois. In conducting the transect survey, SWCD and NRCS staff collect data from approximately 450 fields along a random route that intersects each township in the county twice. The survey is conducted on a biennial basis after the crops are planted in the spring. Some counties with a significant amount of small grains conduct an additional survey in the fall to collect data on fall-planted crops.

Information on tillage systems and crop residue amounts is collected at more than 50,000 points across the state. In addition to collecting information on crop residue management and tillage practices, the surveyors also collect data on sheet/rill and ephemeral soil erosion. After the survey is completed for each of the 100 counties in Illinois that conduct a cropland survey, the data is sent to the Illinois Department of Agriculture to be analyzed. Data for each county and the entire state are available on soil loss, crop residue amounts, and tillage systems.

The transect surveys were conducted annually from 1994 through 2002. In 2002, the survey switched to a biennial format, which is why there is no data for 2003. The ten (10) years of data have provided an opportunity to analyze some trends in soil loss reductions, tillage systems and crop residue amounts. A brief analysis of the data is included in the summary tables and narrative that follow.

## **Soil Savings Trends**

Table 1 summarizes soil loss data by T value for 1994 through 2004. The soil loss estimates for 1997 – 2004 were developed using the Revised Universal Soil Loss Equation (RUSLE), which was adopted as the formula for predicting soil loss by the NRCS in 1997. Since 1997, the IDA has used the revised version of the Universal Soil Loss Equation to estimate soil losses from sheet and rill erosion. The National Resource Inventory (NRI) is conducted by NRCS every five (5) years to measure trends in soil conservation. The Universal Soil Loss Equation (USLE) was used by NRCS to calculate soil loss for all NRIs to date, including the 1997 NRI. The NRI provides data that are statistically reliable at the state level. While the Transect Survey data are not statistically reliable at either the state or county level, the survey provides much detailed information that is useful for local planning and strategy development.

The 2004 survey showed that 84.9% of the points surveyed were at or below T or tolerable soil loss levels. Although soil loss has plateaued in the past several years, data collected by the Soil Conservation Transect Surveys and NRIs confirm a very positive trend in reducing soil erosion on cropland to tolerable soil loss levels. The 1994 Soil Conservation Transect Survey, the first ever conducted, estimated that 74.1% of the points surveyed were meeting T. Previous surveys conducted by the NRCS using the USLE indicated that 59.4% of the total cropland acres were at T or less in 1982, 67.7% were at T or less in 1987, 73.6% were at T or less in 1992, and 78.4% of the state's cropland was at, or less than, the tolerable soil loss level in 1997.

The 2004 results also indicate that about 15% of the points surveyed were still exceeding tolerable soil loss levels, about the same as the results of the 2002 survey. Only about 4.2% of the points surveyed exceeded 2T. For most of the survey points at which estimated soil loss was greater than T, estimated soil losses were in the 1- to 2- T category (2 to 10 tons per acre per year). Soil loss on about two-thirds of these points was between 1 and 3 tons per acre above T (Table 2). With some slight adjustments in management systems to retain more crop residue, these acres could easily be brought to T or below.

## **Tillage System Trends**

The survey also provided information on tillage systems used in planting corn and soybean crops this past spring, and small grain crops last fall. The data for 1994 through 2004 are summarized in Tables 3 and 4. Statewide, the survey showed that 29.2% of corn, soybean and small grain fields surveyed in 2004 were farmed using no-till practices, which leave the soil virtually undisturbed from harvest through planting.

The largest increase in no-till was in soybeans. No-till soybeans increased from 43.9% to 45.6% from 2002 to 2004, marking the seventh year this trend has been observed. About 32.9% of all grain fields were planted no-till in 2004, compared with 34% in 2002.

About 17.2% of the fields surveyed were planted with a mulch-till system in 2004. This represents an increase of more than 2 percentage points from 2002 mulch-till acres planted. To qualify as mulch tillage, at least 30% of the residue from the previous crop must remain on the soil surface after being tilled and planted. Residue is important because it shields the ground from the eroding effects of rain and helps retain moisture for crops. Mulch-till and no-till are conservation tillage systems. The number of fields with conservation tillage increased slightly from 45.2% in 2002 to 46.4% in 2004.

In 2004, mulch-till soybeans increased by more than 3 percentage points, from 18.9% of the total soybean fields surveyed in 2002 to 22.1% in 2004. Fields with mulch-till corn increased slightly in 2004 to 12% of the points surveyed. Fields with mulch-till small grains increased by 1.6 percentage points, from 24.3% in 2002 to 25.9% in 2004.

Statewide, 35.5% of the cropland fields surveyed in 2004 were planted conventionally. This remains virtually unchanged from 2002. Conventionally planted cropland fields surveyed have generally been on the decline in the past few years. Since 1994, when 46% of the cropland fields surveyed in the state were planted conventionally, there has been a decrease of about 10 percentage points. Most of those fields are now in either no-till or mulch-till forms of conservation tillage.

Approximately 20.1% of the fields surveyed in 2004 were planted with a reduced tillage system. This is about 1.1 percentage points higher than in 2002. A reduced tillage system retains some crop residues that protect the soil surface from erosion. Although a reduced tillage system does provide some level of soil conservation, crop residues are not present in the amounts necessary to be categorized as conservation tillage.

### **Crop Residue Level Trends**

Crop residue, which is directly related to the type of tillage system used, is an important factor in reducing soil erosion. The amount of residue remaining between fall harvest and after spring planting the following year has a direct correlation to soil loss levels. The greater the percent of the soil surface covered by residue, the greater the level of protection from soil erosion.

Generally, farmers continue to adopt tillage systems that result in greater residue levels. Survey results for 1994 through 2001 show a consistent increase in the number of fields with more than 30% residue cover (Tables 5 and 6), and an equivalent decrease in the 0 to 15 percent and 16 to 30 percent residue categories. However, in 2004, residue amounts of 30% or greater were measured on 46.4% of all fields surveyed. This was a 1 percent increase from 2001 of fields surveyed that had 30% or more residue levels. Between 1994 and 2002, residue levels of 30% or greater increased by nearly 13 percentage points.

The percentage of soybean fields with residue levels of 30% or greater has remained around 67% for three out of the past four surveys. From 1994 to 2004, the percentage of soybean fields surveyed with greater than 30% residue increased by nearly 24 points. The 30% or greater residue levels for cornfields surveyed have remained around 27% for the past four surveys. Small grain fields with 30% or greater residue experienced little fluctuation, averaging around 59% over the past four years.

### **Ephemeral Concentrated Flow Erosion Trends**

Since 1995, surveyors have collected data on ephemeral or gully erosion in surveyed fields. Surveyors identify fields in which ephemeral erosion has occurred or is likely to occur in areas of concentrated surface water flow. This type of erosion requires structural conservation practices, such as grassed waterways, in addition to tillage or other cultural erosion control practices.

In both 1995 and 1996, the Transect Survey documented either ephemeral or gully erosion on 14% of the fields. In 1997, the number of fields increased to 16%. In 1998, the percentage of cropland fields with ephemeral/gully erosion increased to 22%. Heavy spring and summer precipitation was a factor in the increase of ephemeral/gully erosion from 1997 to 1998. In 1999, surveyors noted ephemeral or gully erosion on 18% of the fields. In 2000 and 2001, actual erosion, or potential ephemeral/gully erosion was observed on 22% and 23.6% of the fields respectively. In 2002 and 2004, the number of fields surveyed in which actual or potential ephemeral/gully erosion was observed increased once again to 25.1% and 25.9% respectively.

### **Summary**

The Illinois Department of Agriculture, local Soil and Water Conservation Districts and the USDA Natural Resources Conservation Service will use the survey data to plan future conservation efforts. The information will be vital in determining the course of each Soil and Water Conservation District will take to reach Illinois' goal of reducing soil erosion and sedimentation and improving water quality.

**TABLE 1****PERCENT OF POINTS SURVEYED WITH RELATIVE SOIL LOSS BY T VALUE 1994 – 2004**

	<T	1-2 T	>2T	Unknown	Total %
2004*	84.9	10.7	4.4	0.0	100
2002*	85.0	10.8	4.2	0.0	100
2001*	85.0	10.6	4.1	0.3	100
2000*	85.7	10.4	3.6	0.3	100
1999*	85.7	10.5	3.6	0.2	100
1998*	86.5	9.9	3.4	0.2	100
1997*	86.2	9.8	3.7	0.3	100
1996	76.2	14.8	6.4	2.6	100
1995	76.7	15.3	6.3	1.7	100
1994	74.1	16.7	7.1	2.1	100

**TABLE 2****PERCENT OF POINTS SURVEYED WITH INCREMENTAL SOIL LOSS  
RELATIVE TO T VALUE 1994 – 2004**

	<T	0-1 Ton>T	1-2 Tons>T	2-3 Tons>T	>3 Tons>T	Unknown	Total %
2004*	84.9	4.6	2.9	2.0	5.6	0.0	100
2002*	85.0	4.6	3.0	2.1	5.3	0.0	100
2001*	85.0	4.5	3.0	2.1	5.1	0.3	100
2000*	85.7	4.5	2.8	2.0	4.7	0.3	100
1999*	85.7	4.4	2.9	2.0	4.8	0.2	100
1998*	86.5	4.4	2.7	1.7	4.5	0.2	100
1997*	86.2	4.4	2.7	1.7	4.7	0.3	100
1996	76.2	6.3	4.0	2.4	8.5	2.6	100
1995	76.7	6.5	4.2	2.7	8.2	1.7	100
1994	74.1	6.8	4.8	3.2	9.0	2.1	100

\*The Revised Universal Soil Loss Equation (RUSLE) was used to estimate soil loss.





**TABLE 4**

**PERCENT OF POINTS SURVEYED WITH INDICATED TILLAGE SYSTEMS  
USED FOR EACH CROP 1994 – 2004**

	<b>Conventional</b>	<b>Reduced</b>	<b>Mulch</b>	<b>No-Till</b>	<b>NA/Unknown</b>	<b>Total %</b>
	<b><u>CORN</u></b>					
2004	51.2	21.9	12.0	14.9	0	100
2002	52.9	19.5	10.7	16.9	0	100
2001	49.0	23.5	10.5	17.0	0	100
2000	48.7	23.2	11.5	16.4	0.2	100
1999	56.2	21.3	8.5	13.7	0.3	100
1998	56.7	22.4	8.2	12.5	0.2	100
1997	50.4	22.6	12.3	14.4	0.3	100
1996	47.6	24.7	12.8	14.7	0.2	100
1995	44.3	27.7	11.0	16.9	0.1	100
1994	59.6	14.6	6.9	18.8	0.1	100
	<b><u>SOYBEANS</u></b>					
2004	14.4	17.9	22.1	45.6	0	100
2002	19.2	18.0	18.9	43.9	0	100
2001	14.2	18.9	24.8	42.1	0	100
2000	12.4	19.8	26.0	41.7	0.1	100
1999	16.4	23.2	21.9	38.3	0.2	100
1998	20.5	24.0	19.1	36.3	0.1	100
1997	16	22.0	26.3	35.3	0.4	100
1996	25.5	23.2	19.8	31.2	0.3	100
1995	24.3	25.5	17.3	32.7	0.2	100
1994	32.0	23.8	15.5	28.6	0.1	100
	<b><u>SMALL GRAINS</u></b>					
2004	20.7	20.5	25.9	32.9	0	100
2002	16.5	25.2	24.3	34.0	0	100
2001	20.8	18.9	27.9	32.4	0	100
2000	16.9	13.2	21.9	38.2	9.8	100
1999	19.2	16.9	17.5	34.9	11.5	100
1998	21.8	15.2	17.9	33.3	11.8	100
1997	22.0	11.8	22.4	30.4	13.4	100
1996	15.4	20.6	22.5	32.4	9.1	100
1995	19.6	22.0	22.3	28.2	7.9	100
1994	24.6	26.3	16.9	14.2	18.0	100



**TABLE 6****PERCENT OF POINTS SURVEYED WITH  
CROP RESIDUE LEVELS FOR EACH CROP 1994 – 2004**

	<b>0-15%</b>	<b>16-30%</b>	<b>&gt;30%</b>	<b>NA/Unknown</b>	<b>Total</b>
<b><u>CORN</u></b>					
2004	50.7	22.4	26.9	0	100
2002	52.9	19.5	27.6	0	100
2001	50.6	22.0	27.4	0	100
2000	52.0	20.9	27.0	0.1	100
1999	59.4	19.6	21.0	<1	100
1998	60.7	20.2	19.1	<1	100
1997	51.0	23.4	25.5	0.1	100
1996	51.7	22.6	25.4	0.3	100
1995	56.5	19.5	24.0	<1	100
1994	59.6	16.5	23.9	<1	100
<b><u>SOYBEANS</u></b>					
2004	14.3	18.0	67.7	0	100
2002	19.2	18.0	62.8	0	100
2001	14.6	17.9	67.5	0	100
2000	13.3	18.9	67.7	0.1	100
1999	17.6	22.4	60.0	<1	100
1998	22.1	24.6	53.3	<1	100
1997	16.2	21.8	61.9	0.1	100
1996	27.2	23.0	49.6	0.2	100
1995	30.3	22.0	47.7	<1	100
1994	32.0	24.3	43.7	<1	100
<b><u>SMALL GRAINS</u></b>					
2004	20.7	20.5	58.8	0	100
2002	16.5	25.1	58.4	0	100
2001	20.9	16.4	60.1	2.6	100
2000	16.4	16.6	57.3	9.7	100
1999	17.9	19.9	51.8	10.4	100
1998	19.4	18.7	51.8	10.1	100
1997	20.4	14.7	54.3	10.6	100
1996	13.3	23.9	55.7	7.1	100
1995	21.5	26.5	45.2	6.8	100
1994	24.6	28.0	29.5	17.9	100

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 1

### Percent (Number) of Points Surveyed With Indicated Soil Loss Relative to T

<u>County</u>	<u>&lt;=1 "T"</u>	<u>1-2 "T"</u>	<u>&gt;2 "T"</u>	<u>Total</u>
Adams	85 (629)	19 (90)	3 (22)	(741)
Alexander	85 (122)	11 (16)	3 (5)	(143)
Bond	61 (271)	28 (124)	11 (49)	(444)
Boone	90 (457)	8 (41)	2 (10)	(508)
Brown	72 (389)	22 (117)	7 (37)	(543)
Bureau	99 (534)	1 (7)	0 (0)	(541)
Calhoun	87 (216)	6 (16)	6 (16)	(248)
Carroll	84 (475)	12 (67)	4 (25)	(567)
Cass	96 (606)	3 (21)	1 (4)	(631)
Champaign	96 (581)	3 (21)	1 (4)	(606)
Christian	87 (473)	9 (50)	4 (19)	(542)
Clark	89 (444)	9 (45)	2 (10)	(499)
Clay	78 (549)	14 (101)	8 (53)	(703)
Clinton	87 (613)	11 (78)	2 (15)	(706)
Coles	91 (426)	8 (36)	1 (4)	(466)
Crawford	57 (346)	27 (165)	16 (97)	(608)
Cumberland	83 (554)	13 (89)	3 (21)	(664)
De Kalb	90 (438)	10 (46)	0 (0)	(484)
De Witt	89 (543)	8 (50)	3 (16)	(609)
Douglas	95 (484)	5 (26)	0 (0)	(510)
Edgar	93 (444)	7 (32)	1 (4)	(480)
Edwards	66 (295)	20 (90)	14 (64)	(449)
Effingham	89 (550)	6 (38)	5 (28)	(616)
Fayette	90 (709)	8 (61)	3 (20)	(790)
Ford	85 (545)	11 (73)	3 (20)	(638)
Franklin	66 (343)	21 (106)	13 (67)	(516)
Fulton	91 (558)	7 (44)	2 (12)	(614)
Gallatin	74 (315)	17 (72)	9 (38)	(425)
Greene	79 (539)	18 (125)	2 (17)	(681)
Grundy	97 (483)	2 (12)	0 (1)	(496)
Hamilton	77 (383)	14 (72)	9 (44)	(499)
Hancock	91 (483)	6 (32)	3 (14)	(529)
Hardin	87 (104)	4 (5)	9 (11)	(120)
Henderson	91 (421)	7 (32)	2 (10)	(463)
Henry	78 (485)	13 (83)	9 (55)	(623)
Iroquois	94 (418)	6 (25)	0 (1)	(444)
Jackson	70 (415)	17 (102)	13 (78)	(595)
Jasper	78 (486)	16 (99)	6 (36)	(621)
Jefferson	65 (371)	21 (122)	14 (80)	(573)
Jersey	79 (360)	17 (79)	4 (17)	(456)
Jo Daviess	80 (376)	14 (66)	6 (28)	(470)
Johnson	76 (146)	8 (15)	16 (30)	(191)
Kane	96 (538)	4 (22)	0 (0)	(560)
Kankakee	99 (494)	1 (6)	0 (1)	(501)
Kendall	98 (524)	2 (9)	0 (2)	(535)
Knox	89 (356)	8 (34)	3 (12)	(402)

Lake	0 (0)	0 (0)	0 (0)	(0)
La Salle	97 (422)	3 (13)	0 (0)	(435)
Lawrence	85 (505)	12 (69)	4 (21)	(595)
Lee	96 (519)	4 (21)	0 (0)	(540)
Livingston	89 (403)	8 (34)	3 (15)	(452)
Logan	96 (557)	4 (22)	1 (3)	(582)
McDonough	85 (434)	11 (58)	3 (16)	(508)
McHenry	95 (429)	5 (22)	0 (1)	(452)
McLean	87 (425)	13 (64)	0 (1)	(490)
Macon	84 (470)	14 (78)	2 (12)	(560)
Macoupin	86 (436)	11 (55)	3 (15)	(506)
Madison	70 (276)	17 (67)	13 (51)	(394)
Marion	78 (423)	13 (69)	9 (47)	(539)
Marshall	97 (546)	3 (15)	1 (3)	(564)
Mason	99 (647)	1 (8)	0 (0)	(655)
Massac	82 (284)	9 (32)	9 (30)	(346)
Menard	81 (376)	16 (75)	3 (15)	(466)
Mercer	88 (405)	9 (43)	3 (12)	(460)
Monroe	68 (241)	14 (51)	17 (61)	(353)
Montgomery	85 (392)	11 (49)	4 (20)	(461)
Morgan	84 (666)	12 (96)	4 (28)	(790)
Moultrie	94 (495)	4 (21)	2 (12)	(528)
Ogle	88 (529)	11 (65)	1 (7)	(601)
Peoria	96 (573)	3 (16)	1 (6)	(595)
Perry	83 (406)	13 (65)	3 (16)	(487)
Piatt	95 (588)	5 (32)	0 (2)	(622)
Pike	68 (354)	20 (105)	12 (60)	(519)
Pope	91 (306)	5 (18)	4 (14)	(338)
Pulaski	57 (116)	18 (37)	25 (52)	(205)
Putnam	95 (224)	5 (11)	0 (0)	(235)
Randolph	57 (349)	22 (138)	21 (128)	(615)
Richland	77 (424)	15 (82)	8 (44)	(550)
Rock Island	80 (382)	15 (73)	4 (21)	(476)
St. Clair	78 (260)	14 (47)	8 (25)	(332)
Saline	81 (376)	12 (57)	6 (29)	(462)
Sangamon	88 (442)	10 (49)	3 (13)	(504)
Schuyler	82 (643)	13 (105)	4 (35)	(783)
Scott	95 (436)	4 (17)	1 (5)	(458)
Shelby	78 (687)	16 (145)	6 (50)	(882)
Stark	96 (569)	4 (22)	1 (3)	(594)
Stephenson	86 (549)	11 (72)	3 (16)	(637)
Tazewell	94 (469)	5 (27)	1 (4)	(500)
Union	86 (410)	9 (43)	5 (23)	(476)
Vermilion	87 (412)	11 (54)	2 (9)	(475)
Wabash	55 (280)	26 (131)	19 (96)	(507)
Warren	95 (439)	4 (20)	1 (5)	(464)
Washington	73 (527)	22 (160)	4 (32)	(719)
Wayne	85 (390)	11 (50)	5 (21)	(461)
White	85 (419)	9 (45)	6 (28)	(492)
Whiteside	92 (471)	6 (33)	2 (10)	(514)
Will	95 (340)	5 (17)	1 (2)	(359)
Williamson	82 (260)	12 (37)	7 (22)	(319)
Winnebago	92 (702)	7 (51)	1 (10)	(763)
Woodford	95 (433)	4 (19)	0 (2)	(454)
<b>Total %:</b>	<b>84.9 (43407)</b>	<b>10.7 (5467)</b>	<b>4.4 (2250)</b>	<b>(51124)</b>

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 2

Percent (Number) of Points Surveyed With **Soil Loss Less Than "T"** and  
 Percent (Number) of Points With **Indicated Tons of Soil Loss Greater Than "T"**

<u>County</u>	<u>&lt;="T"</u>	<u>0-1 T/A</u>	<u>1-2 T/A</u>	<u>2-3 T/A</u>	<u>&gt;3 T/A</u>	<u>Total</u>
Adams	85 (629)	4 (30)	3 (21)	3 (23)	5 (38)	(741)
Alexander	85 (122)	8 (12)	2 (3)	1 (1)	3 (5)	(143)
Bond	61 (271)	10 (45)	10 (43)	7 (33)	12 (52)	(444)
Boone	90 (457)	2 (11)	3 (15)	1 (5)	4 (20)	(508)
Brown	72 (389)	8 (42)	5 (28)	4 (20)	12 (64)	(543)
Bureau	99 (534)	1 (5)	0 (2)	0 (0)	0 (0)	(541)
Calhoun	87 (216)	3 (7)	1 (3)	1 (3)	8 (19)	(248)
Carroll	84 (475)	5 (27)	3 (18)	2 (13)	6 (34)	(567)
Cass	96 (606)	1 (7)	1 (4)	1 (4)	2 (10)	(631)
Champaign	96 (581)	1 (8)	1 (6)	0 (3)	1 (8)	(606)
Christian	87 (473)	3 (17)	3 (15)	2 (11)	5 (26)	(542)
Clark	89 (444)	5 (24)	2 (12)	2 (8)	2 (11)	(499)
Clay	78 (549)	6 (41)	4 (31)	4 (27)	8 (55)	(703)
Clinton	87 (613)	6 (43)	3 (21)	2 (12)	2 (17)	(706)
Coles	91 (426)	3 (15)	3 (12)	1 (6)	2 (7)	(466)
Crawford	57 (346)	12 (73)	7 (42)	6 (39)	18 (108)	(608)
Cumberland	83 (554)	6 (41)	4 (28)	2 (14)	4 (27)	(664)
DeKalb	90 (438)	4 (21)	3 (16)	1 (4)	1 (5)	(484)
DeWitt	89 (543)	3 (16)	3 (16)	2 (12)	4 (22)	(609)
Douglas	95 (484)	4 (18)	1 (6)	0 (1)	0 (1)	(510)
Edgar	93 (444)	3 (16)	1 (6)	1 (5)	2 (9)	(480)
Edwards	66 (295)	11 (51)	4 (16)	3 (12)	17 (75)	(449)
Effingham	89 (550)	4 (22)	1 (7)	1 (7)	5 (30)	(616)
Fayette	90 (709)	3 (27)	3 (22)	1 (9)	3 (23)	(790)
Ford	85 (545)	3 (22)	4 (24)	2 (12)	5 (35)	(638)
Franklin	66 (343)	8 (43)	6 (33)	5 (27)	14 (70)	(516)
Fulton	91 (558)	2 (15)	2 (13)	1 (9)	3 (19)	(614)
Gallatin	74 (315)	6 (26)	4 (19)	3 (12)	12 (53)	(425)
Greene	79 (539)	7 (51)	4 (28)	2 (13)	7 (50)	(681)
Grundy	97 (483)	1 (7)	1 (5)	0 (0)	0 (1)	(496)
Hamilton	77 (383)	8 (41)	4 (20)	2 (8)	9 (47)	(499)
Hancock	91 (483)	2 (13)	2 (8)	2 (8)	3 (17)	(529)
Hardin	87 (104)	1 (1)	1 (1)	1 (1)	11 (13)	(120)
Henderson	91 (421)	2 (11)	2 (9)	1 (4)	4 (18)	(463)
Henry	78 (485)	4 (27)	4 (24)	3 (19)	11 (68)	(623)
Iroquois	94 (418)	3 (12)	2 (9)	1 (4)	0 (1)	(444)
Jackson	70 (415)	6 (36)	4 (25)	4 (24)	16 (95)	(595)
Jasper	78 (486)	8 (51)	4 (22)	4 (25)	6 (37)	(621)
Jefferson	65 (371)	10 (57)	5 (30)	5 (26)	16 (89)	(573)
Jersey	79 (360)	6 (28)	5 (23)	3 (13)	7 (32)	(456)
JoDaviess	80 (376)	5 (22)	4 (21)	2 (10)	9 (41)	(470)
Johnson	76 (146)	3 (5)	3 (6)	1 (1)	17 (33)	(191)
Kane	96 (538)	2 (11)	2 (9)	0 (2)	0 (0)	(560)
Kankakee	99 (494)	1 (3)	1 (3)	0 (1)	0 (0)	(501)
Kendall	98 (524)	1 (3)	1 (3)	1 (3)	0 (2)	(535)
Knox	89 (356)	3 (13)	3 (13)	1 (6)	3 (14)	(402)

Lake	0	(0)	0	(0)	0	(0)	0	(0)	(0)
LaSalle	97	(422)	2	(9)	1	(4)	0	(0)	(435)
Lawrence	85	(505)	3	(20)	5	(29)	3	(16)	(595)
Lee	96	(519)	2	(12)	2	(9)	0	(0)	(540)
Livingston	89	(403)	3	(14)	3	(13)	1	(6)	(452)
Logan	96	(557)	2	(10)	1	(4)	1	(4)	(582)
McDonough	85	(434)	5	(25)	4	(20)	2	(12)	(508)
McHenry	95	(429)	2	(11)	1	(5)	1	(3)	(452)
McLean	87	(425)	4	(20)	6	(27)	1	(6)	(490)
Macon	84	(470)	4	(24)	4	(23)	3	(19)	(560)
Macoupin	86	(436)	5	(24)	3	(17)	2	(12)	(506)
Madison	70	(276)	8	(30)	4	(14)	5	(18)	(394)
Marion	78	(423)	5	(26)	5	(26)	2	(13)	(539)
Marshall	97	(546)	2	(9)	1	(3)	0	(2)	(564)
Mason	99	(647)	1	(5)	0	(2)	0	(1)	(655)
Massac	82	(284)	4	(14)	2	(6)	3	(11)	(346)
Menard	81	(376)	6	(26)	5	(21)	3	(15)	(466)
Mercer	88	(405)	3	(15)	3	(16)	2	(7)	(460)
Monroe	68	(241)	4	(15)	4	(14)	3	(9)	(353)
Montgomery	85	(392)	5	(24)	3	(14)	2	(8)	(461)
Morgan	84	(666)	6	(46)	2	(18)	2	(15)	(790)
Moultrie	94	(495)	1	(5)	1	(5)	2	(9)	(528)
Ogle	88	(529)	5	(32)	2	(10)	2	(12)	(601)
Peoria	96	(573)	2	(9)	1	(3)	0	(1)	(595)
Perry	83	(406)	6	(28)	4	(18)	4	(18)	(487)
Piatt	95	(588)	3	(19)	1	(7)	0	(2)	(622)
Pike	68	(354)	5	(28)	5	(27)	4	(23)	(519)
Pope	91	(306)	2	(6)	1	(3)	1	(5)	(338)
Pulaski	57	(116)	11	(22)	4	(8)	2	(5)	(205)
Putnam	95	(224)	3	(7)	0	(0)	1	(3)	(235)
Randolph	57	(349)	9	(56)	6	(38)	4	(26)	(615)
Richland	77	(424)	7	(40)	3	(18)	3	(19)	(550)
Rock Island	80	(382)	5	(23)	3	(14)	4	(18)	(476)
St. Clair	78	(260)	6	(19)	4	(14)	3	(9)	(332)
Saline	81	(376)	6	(26)	5	(21)	2	(7)	(462)
Sangamon	88	(442)	4	(22)	1	(6)	2	(11)	(504)
Schuyler	82	(643)	5	(39)	4	(33)	2	(15)	(783)
Scott	95	(436)	2	(8)	2	(7)	0	(1)	(458)
Shelby	78	(687)	7	(59)	4	(37)	5	(40)	(882)
Stark	96	(569)	2	(13)	1	(6)	0	(0)	(594)
Stephenson	86	(549)	5	(29)	3	(16)	2	(12)	(637)
Tazewell	94	(469)	3	(15)	1	(6)	1	(4)	(500)
Union	86	(410)	3	(15)	3	(14)	2	(11)	(476)
Vermilion	87	(412)	7	(32)	3	(14)	2	(10)	(475)
Wabash	55	(280)	10	(50)	6	(32)	7	(35)	(507)
Warren	95	(439)	2	(10)	1	(4)	1	(4)	(464)
Washington	73	(527)	12	(86)	6	(40)	4	(27)	(719)
Wayne	85	(390)	7	(31)	3	(15)	1	(5)	(461)
White	85	(419)	4	(21)	2	(12)	2	(9)	(492)
Whiteside	92	(471)	2	(9)	2	(10)	2	(8)	(514)
Will	95	(340)	3	(12)	1	(3)	1	(2)	(359)
Williamson	82	(260)	7	(21)	2	(6)	3	(8)	(319)
Winnebago	92	(702)	3	(25)	2	(18)	1	(8)	(763)
Woodford	95	(433)	2	(11)	1	(5)	0	(2)	(454)

**Total %:**                    **84.9 (43407) 4.6 (2324) 2.9 (1496) 2.0 (1046) 5.6 (2851) (51124)**

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

### **REPORT 3**

Percent (Number) of Points Surveyed With Indicated  
**Tillage System For Each Present Crop**

<u><b>Present crop</b></u>	<u><b>Tillage system</b></u>					<u><b>Total</b></u>
	<u><b>Conventional</b></u>	<u><b>Reduced-till</b></u>	<u><b>Mulch-till</b></u>	<u><b>No-till</b></u>		
Corn	51 (11819)	22 (5069)	12 (2773)	15 (3445)		(23106)
Soybeans row	21 (962)	30 (1370)	26 (1179)	22 (1019)		(4530)
Soybeans drill	12 (1888)	14 (2154)	21 (3184)	52 (7963)		(15189)
Small grains	21 (506)	20 (502)	26 (635)	33 (806)		(2449)
<b>Total %:</b>	<b>33.5 (15175)</b>	<b>20.1 (9095)</b>	<b>17.2 (7771)</b>	<b>29.2 (13233)</b>		<b>(45274)</b>



Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 4

Percent (Number) of **Corn Field Points** Surveyed With Indicated **Tillage System**

<u>County</u>	<u>Tillage System</u>				
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>	<u>Total</u>
Adams	22 (71)	30 (96)	34 (109)	13 (41)	(317)
Alexander	84 (37)	0 (0)	9 (4)	7 (3)	(44)
Bond	94 (137)	0 (0)	0 (0)	6 (8)	(145)
Boone	70 (175)	18 (46)	8 (21)	3 (7)	(249)
Brown	69 (141)	14 (29)	4 (9)	12 (25)	(204)
Bureau	8 (27)	39 (127)	44 (142)	8 (26)	(322)
Calhoun	56 (42)	31 (23)	7 (5)	7 (5)	(75)
Carroll	8 (26)	35 (116)	44 (146)	14 (45)	(333)
Cass	6 (18)	22 (72)	37 (119)	35 (112)	(321)
Champaign	73 (225)	21 (64)	3 (10)	3 (9)	(308)
Christian	87 (253)	11 (31)	0 (1)	2 (6)	(291)
Clark	66 (151)	27 (61)	7 (15)	1 (3)	(230)
Clay	63 (179)	1 (2)	5 (15)	31 (90)	(286)
Clinton	66 (187)	5 (15)	21 (59)	7 (21)	(282)
Coles	71 (182)	18 (45)	9 (22)	3 (8)	(257)
Crawford	80 (208)	9 (24)	4 (10)	7 (17)	(259)
Cumberland	85 (262)	6 (20)	1 (2)	8 (24)	(308)
DeKalb	66 (179)	20 (55)	11 (31)	2 (5)	(270)
DeWitt	82 (265)	2 (5)	6 (19)	11 (36)	(325)
Douglas	87 (226)	9 (23)	1 (2)	3 (9)	(260)
Edgar	52 (117)	15 (35)	6 (13)	27 (62)	(227)
Edwards	71 (126)	0 (0)	4 (7)	25 (45)	(178)
Effingham	91 (252)	2 (5)	1 (3)	6 (18)	(278)
Fayette	81 (238)	8 (23)	7 (21)	4 (11)	(293)
Ford	85 (263)	8 (25)	2 (7)	5 (16)	(311)
Franklin	85 (104)	2 (2)	2 (2)	11 (14)	(122)
Fulton	14 (42)	48 (146)	25 (77)	13 (39)	(304)
Gallatin	76 (176)	10 (24)	0 (0)	13 (31)	(231)
Greene	86 (281)	2 (5)	2 (5)	11 (35)	(326)
Grundy	78 (199)	19 (47)	2 (5)	1 (3)	(254)
Hamilton	47 (71)	10 (15)	2 (3)	41 (61)	(150)
Hancock	62 (146)	22 (52)	5 (12)	11 (26)	(236)
Hardin	75 (9)	0 (0)	0 (0)	25 (3)	(12)
Henderson	7 (16)	44 (105)	34 (81)	15 (36)	(238)
Henry	31 (105)	39 (134)	25 (85)	5 (18)	(342)
Iroquois	65 (154)	15 (36)	15 (35)	5 (13)	(238)
Jackson	57 (71)	0 (0)	17 (21)	26 (32)	(124)
Jasper	80 (198)	5 (13)	2 (4)	13 (32)	(247)
Jefferson	25 (33)	21 (28)	17 (23)	37 (50)	(134)
Jersey	42 (92)	18 (39)	10 (22)	31 (68)	(221)
JoDaviess	13 (25)	30 (57)	29 (55)	28 (53)	(190)
Johnson	61 (17)	4 (1)	0 (0)	36 (10)	(28)
Kane	13 (39)	70 (207)	17 (50)	0 (1)	(297)
Kankakee	72 (176)	11 (27)	3 (7)	15 (36)	(246)
Kendall	74 (197)	17 (46)	5 (14)	4 (10)	(267)

Knox	50 (97)	22 (42)	7 (14)	21 (41)	(194)
Lake	0 (0)	0 (0)	0 (0)	0 (0)	(0)
LaSalle	57 (135)	42 (99)	0 (1)	1 (2)	(237)
Lawrence	50 (149)	19 (55)	10 (29)	22 (64)	(297)
Lee	56 (163)	32 (94)	9 (27)	2 (6)	(290)
Livingston	66 (141)	27 (57)	4 (8)	3 (7)	(213)
Logan	21 (64)	36 (110)	10 (29)	33 (100)	(303)
McDonough	43 (108)	29 (73)	16 (41)	12 (30)	(252)
McHenry	61 (124)	11 (23)	16 (32)	12 (24)	(203)
McLean	64 (167)	10 (27)	14 (35)	12 (30)	(259)
Macon	93 (259)	6 (18)	0 (1)	0 (0)	(278)
Macoupin	72 (188)	19 (49)	8 (20)	2 (4)	(261)
Madison	68 (121)	21 (38)	7 (12)	4 (7)	(178)
Marion	85 (168)	3 (6)	1 (1)	11 (22)	(197)
Marshall	2 (7)	68 (216)	19 (59)	11 (36)	(318)
Mason	0 (1)	32 (105)	31 (103)	36 (120)	(329)
Massac	34 (33)	4 (4)	3 (3)	58 (56)	(96)
Menard	24 (55)	43 (96)	12 (27)	21 (47)	(225)
Mercer	0 (0)	38 (89)	14 (33)	47 (110)	(232)
Monroe	60 (76)	32 (41)	2 (2)	6 (8)	(127)
Montgomery	76 (160)	9 (19)	8 (17)	7 (14)	(210)
Morgan	68 (267)	15 (58)	6 (23)	11 (44)	(392)
Moultrie	86 (240)	10 (27)	4 (11)	0 (1)	(279)
Ogle	38 (129)	31 (105)	19 (65)	13 (44)	(343)
Peoria	4 (12)	33 (93)	16 (45)	46 (128)	(278)
Perry	1 (2)	12 (22)	20 (36)	66 (117)	(177)
Piatt	77 (261)	20 (67)	3 (11)	0 (0)	(339)
Pike	70 (169)	26 (62)	2 (4)	3 (7)	(242)
Pope	51 (24)	0 (0)	6 (3)	43 (20)	(47)
Pulaski	55 (34)	5 (3)	16 (10)	24 (15)	(62)
Putnam	7 (9)	55 (71)	19 (24)	19 (25)	(129)
Randolph	76 (121)	9 (15)	8 (12)	7 (11)	(159)
Richland	61 (147)	1 (2)	11 (27)	27 (64)	(240)
Rock Island	12 (25)	28 (61)	10 (22)	50 (109)	(217)
St. Clair	96 (135)	1 (2)	1 (1)	1 (2)	(140)
Saline	51 (79)	19 (30)	5 (8)	24 (37)	(154)
Sangamon	57 (154)	18 (49)	8 (21)	17 (47)	(271)
Schuyler	28 (83)	47 (139)	19 (57)	6 (18)	(297)
Scott	12 (30)	38 (97)	30 (77)	19 (49)	(253)
Shelby	82 (348)	17 (72)	1 (3)	0 (0)	(423)
Stark	1 (4)	67 (224)	20 (68)	12 (40)	(336)
Stephenson	28 (90)	20 (64)	32 (102)	20 (65)	(321)
Tazewell	33 (77)	34 (80)	14 (32)	19 (45)	(234)
Union	15 (8)	4 (2)	4 (2)	77 (40)	(52)
Vermilion	89 (219)	8 (20)	2 (6)	0 (0)	(245)
Wabash	71 (160)	13 (30)	7 (16)	8 (19)	(225)
Warren	6 (14)	37 (85)	30 (67)	27 (61)	(227)
Washington	37 (95)	37 (96)	2 (4)	24 (62)	(257)
Wayne	49 (62)	17 (22)	13 (17)	20 (26)	(127)
White	37 (85)	0 (0)	2 (4)	61 (141)	(230)
Whiteside	25 (75)	23 (71)	27 (81)	25 (77)	(304)
Will	74 (114)	15 (23)	2 (3)	10 (15)	(155)
Williamson	28 (16)	17 (10)	0 (0)	55 (32)	(58)
Winnebago	35 (133)	27 (104)	21 (79)	17 (66)	(382)
Woodford	19 (44)	33 (76)	19 (45)	29 (67)	(232)

**Total %:**                    **51.2 (11819)**                    **21.9 (5069)**                    **12.0 (2773)**                    **14.9 (3445)**                    **(23106)**

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 5

Percent (Number) of **Soybean Field Points** Surveyed With Indicated **Tillage System**

### Tillage System

<u>County</u>	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>	<u>Total</u>
Adams	2 (7)	7 (19)	42 (123)	49 (141)	(290)
Alexander	43 (33)	0 (0)	3 (2)	55 (42)	(77)
Bond	67 (112)	0 (0)	0 (0)	33 (55)	(167)
Boone	10 (18)	20 (34)	32 (56)	38 (65)	(173)
Brown	10 (21)	17 (36)	15 (30)	58 (119)	(206)
Bureau	7 (14)	9 (18)	36 (70)	48 (95)	(197)
Calhoun	15 (6)	46 (18)	15 (6)	23 (9)	(39)
Carroll	2 (3)	13 (19)	51 (74)	34 (49)	(145)
Cass	0 (1)	12 (25)	12 (25)	76 (158)	(209)
Champaign	5 (15)	31 (84)	32 (86)	32 (88)	(273)
Christian	27 (58)	43 (93)	6 (13)	24 (52)	(216)
Clark	9 (22)	43 (105)	24 (59)	23 (56)	(242)
Clay	26 (75)	0 (1)	9 (26)	64 (183)	(285)
Clinton	30 (69)	4 (8)	26 (59)	40 (91)	(227)
Coles	10 (19)	51 (99)	23 (45)	17 (33)	(196)
Crawford	16 (40)	18 (46)	16 (41)	51 (131)	(258)
Cumberland	20 (59)	32 (94)	11 (32)	36 (106)	(291)
DeKalb	16 (26)	29 (47)	30 (48)	24 (39)	(160)
DeWitt	10 (26)	28 (76)	28 (75)	34 (92)	(269)
Douglas	17 (39)	39 (91)	4 (10)	41 (96)	(236)
Edgar	8 (19)	24 (56)	12 (27)	55 (127)	(229)
Edwards	31 (52)	1 (1)	19 (32)	50 (85)	(170)
Effingham	63 (157)	9 (23)	3 (7)	25 (64)	(251)
Fayette	19 (63)	11 (37)	37 (122)	34 (112)	(334)
Ford	25 (74)	28 (84)	10 (31)	37 (109)	(298)
Franklin	51 (94)	3 (5)	8 (15)	38 (71)	(185)
Fulton	0 (1)	6 (15)	27 (64)	66 (155)	(235)
Gallatin	54 (80)	18 (26)	1 (1)	28 (41)	(148)
Greene	12 (32)	1 (3)	22 (59)	66 (179)	(273)
Grundy	12 (28)	11 (26)	11 (24)	66 (150)	(228)
Hamilton	36 (59)	8 (13)	5 (8)	52 (86)	(166)
Hancock	14 (34)	15 (37)	14 (33)	56 (135)	(239)
Hardin	70 (19)	0 (0)	4 (1)	26 (7)	(27)
Henderson	0 (0)	15 (25)	25 (42)	60 (99)	(166)
Henry	2 (5)	18 (42)	20 (48)	60 (144)	(239)
Iroquois	3 (6)	5 (10)	55 (105)	37 (71)	(192)
Jackson	54 (141)	0 (1)	18 (47)	27 (70)	(259)
Jasper	21 (64)	24 (73)	7 (21)	48 (148)	(306)
Jefferson	19 (40)	12 (24)	14 (30)	55 (113)	(207)
Jersey	3 (6)	11 (20)	18 (32)	68 (122)	(180)
JoDaviess	2 (2)	12 (15)	28 (35)	58 (72)	(124)
Johnson	36 (20)	0 (0)	0 (0)	64 (35)	(55)
Kane	4 (7)	31 (60)	27 (52)	38 (74)	(193)
Kankakee	21 (43)	21 (43)	11 (23)	46 (92)	(201)
Kendall	21 (49)	24 (56)	15 (34)	40 (92)	(231)

Knox	8	(14)	16	(27)	9	(15)	67	(114)	(170)
Lake	0	(0)	0	(0)	0	(0)	0	(0)	(0)
LaSalle	5	(10)	63	(114)	6	(11)	26	(47)	(182)
Lawrence	7	(17)	6	(15)	18	(42)	69	(166)	(240)
Lee	15	(34)	44	(98)	14	(32)	27	(60)	(224)
Livingston	18	(39)	37	(82)	16	(34)	29	(64)	(219)
Logan	3	(7)	19	(49)	24	(62)	55	(143)	(261)
McDonough	9	(21)	22	(51)	37	(84)	31	(71)	(227)
McHenry	8	(15)	12	(22)	42	(74)	37	(66)	(177)
McLean	4	(8)	8	(17)	54	(113)	35	(73)	(211)
Macon	34	(91)	47	(125)	5	(14)	14	(37)	(267)
Macoupin	8	(14)	18	(33)	26	(47)	47	(85)	(179)
Madison	8	(11)	35	(48)	22	(31)	35	(49)	(139)
Marion	21	(35)	10	(17)	17	(29)	51	(86)	(167)
Marshall	0	(1)	9	(20)	64	(134)	27	(56)	(211)
Mason	0	(0)	11	(23)	30	(61)	59	(122)	(206)
Massac	19	(28)	3	(5)	2	(3)	76	(111)	(147)
Menard	6	(12)	21	(44)	21	(44)	52	(110)	(210)
Mercer	0	(0)	6	(12)	18	(35)	76	(148)	(195)
Monroe	10	(11)	37	(39)	19	(20)	33	(35)	(105)
Montgomery	6	(13)	23	(50)	38	(83)	33	(72)	(218)
Morgan	8	(27)	18	(64)	31	(111)	43	(151)	(353)
Moultrie	8	(18)	31	(69)	43	(96)	17	(38)	(221)
Ogle	8	(15)	22	(39)	32	(56)	38	(67)	(177)
Peoria	1	(2)	4	(10)	29	(69)	66	(160)	(241)
Perry	3	(4)	4	(6)	6	(9)	88	(134)	(153)
Piatt	0	(1)	22	(60)	54	(147)	24	(64)	(272)
Pike	16	(27)	20	(33)	8	(14)	56	(94)	(168)
Pope	41	(24)	3	(2)	7	(4)	49	(29)	(59)
Pulaski	24	(17)	0	(0)	15	(11)	61	(44)	(72)
Putnam	1	(1)	33	(29)	27	(24)	39	(34)	(88)
Randolph	28	(58)	11	(23)	15	(32)	46	(95)	(208)
Richland	13	(31)	2	(6)	14	(33)	71	(171)	(241)
Rock Island	2	(3)	6	(11)	21	(36)	71	(123)	(173)
St. Clair	27	(33)	22	(27)	10	(12)	41	(51)	(123)
Saline	31	(55)	19	(34)	11	(19)	38	(67)	(175)
Sangamon	19	(36)	25	(48)	15	(29)	42	(81)	(194)
Schuyler	4	(13)	8	(22)	49	(143)	39	(112)	(290)
Scott	0	(0)	4	(7)	22	(38)	74	(128)	(173)
Shelby	23	(83)	48	(173)	11	(40)	18	(66)	(362)
Stark	0	(0)	14	(33)	45	(109)	41	(100)	(242)
Stephenson	5	(10)	12	(22)	39	(72)	43	(80)	(184)
Tazewell	2	(4)	20	(40)	30	(60)	49	(99)	(203)
Union	11	(8)	4	(3)	5	(4)	80	(61)	(76)
Vermilion	21	(44)	24	(49)	14	(30)	41	(84)	(207)
Wabash	15	(29)	19	(37)	39	(78)	28	(56)	(200)
Warren	0	(1)	5	(10)	29	(65)	66	(145)	(221)
Washington	12	(30)	16	(40)	16	(39)	55	(134)	(243)
Wayne	18	(28)	4	(6)	16	(26)	62	(99)	(159)
White	19	(32)	2	(3)	5	(9)	74	(126)	(170)
Whiteside	8	(12)	19	(30)	25	(40)	48	(77)	(159)
Will	18	(28)	18	(28)	7	(11)	58	(92)	(159)
Williamson	21	(19)	21	(19)	15	(14)	43	(40)	(92)
Winnebago	5	(12)	13	(29)	38	(87)	44	(100)	(228)
Woodford	3	(6)	7	(13)	30	(55)	60	(112)	(186)
<b>Total %:</b>	<b>14.4</b>	<b>(2850)</b>	<b>17.9</b>	<b>(3524)</b>	<b>22.1</b>	<b>(4363)</b>	<b>45.6</b>	<b>(8982)</b>	<b>(19719)</b>

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 6

Percent (Number) of **Small Grain Field Points** Surveyed With Indicated **Tillage System**

<u>County</u>	<u>Tillage System</u>				
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>	<u>Total</u>
Adams	0 (0)	7 (3)	19 (8)	74 (32)	(43)
Alexander	33 (3)	0 (0)	67 (6)	0 (0)	(9)
Bond	77 (56)	0 (0)	0 (0)	23 (17)	(73)
Boone	10 (2)	35 (7)	55 (11)	0 (0)	(20)
Brown	10 (2)	24 (5)	0 (0)	67 (14)	(21)
Bureau	0 (0)	0 (0)	50 (6)	50 (6)	(12)
Calhoun	33 (3)	56 (5)	0 (0)	11 (1)	(9)
Carroll	0 (0)	88 (7)	13 (1)	0 (0)	(8)
Cass	0 (0)	4 (1)	4 (1)	91 (21)	(23)
Champaign	0 (0)	0 (0)	0 (0)	100 (4)	(4)
Christian	80 (4)	0 (0)	0 (0)	20 (1)	(5)
Clark	0 (0)	0 (0)	61 (11)	39 (7)	(18)
Clay	10 (6)	10 (6)	27 (16)	53 (32)	(60)
Clinton	10 (13)	0 (0)	62 (82)	28 (37)	(132)
Coles	20 (1)	40 (2)	20 (1)	20 (1)	(5)
Crawford	9 (3)	63 (22)	26 (9)	3 (1)	(35)
Cumberland	0 (0)	33 (3)	11 (1)	56 (5)	(9)
DeKalb	14 (2)	43 (6)	14 (2)	29 (4)	(14)
DeWitt	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Douglas	50 (3)	17 (1)	17 (1)	17 (1)	(6)
Edgar	0 (0)	100 (4)	0 (0)	0 (0)	(4)
Edwards	92 (34)	0 (0)	3 (1)	5 (2)	(37)
Effingham	91 (30)	0 (0)	0 (0)	9 (3)	(33)
Fayette	12 (9)	15 (11)	53 (40)	20 (15)	(75)
Ford	18 (2)	0 (0)	18 (2)	64 (7)	(11)
Franklin	21 (15)	47 (34)	29 (21)	4 (3)	(73)
Fulton	0 (0)	0 (0)	0 (0)	100 (10)	(10)
Gallatin	41 (7)	29 (5)	0 (0)	29 (5)	(17)
Greene	0 (0)	0 (0)	11 (2)	89 (16)	(18)
Grundy	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Hamilton	14 (9)	16 (10)	31 (20)	39 (25)	(64)
Hancock	0 (0)	0 (0)	0 (0)	100 (13)	(13)
Hardin	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henderson	33 (1)	67 (2)	0 (0)	0 (0)	(3)
Henry	10 (1)	40 (4)	10 (1)	40 (4)	(10)
Iroquois	0 (0)	0 (0)	0 (0)	100 (7)	(7)
Jackson	59 (20)	0 (0)	41 (14)	0 (0)	(34)
Jasper	7 (2)	34 (10)	0 (0)	59 (17)	(29)
Jefferson	18 (13)	6 (4)	17 (12)	59 (42)	(71)
Jersey	5 (1)	5 (1)	0 (0)	90 (19)	(21)
JoDaviess	0 (0)	56 (14)	44 (11)	0 (0)	(25)
Johnson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Kane	11 (3)	50 (14)	21 (6)	18 (5)	(28)
Kankakee	4 (1)	0 (0)	8 (2)	88 (22)	(25)
Kendall	18 (2)	73 (8)	0 (0)	9 (1)	(11)

Knox	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Lake	0 (0)	0 (0)	0 (0)	0 (0)	(0)
LaSalle	0 (0)	0 (0)	0 (0)	100 (1)	(1)
Lawrence	3 (1)	0 (0)	61 (20)	36 (12)	(33)
Lee	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Livingston	18 (2)	82 (9)	0 (0)	0 (0)	(11)
Logan	0 (0)	33 (1)	67 (2)	0 (0)	(3)
McDonough	0 (0)	100 (3)	0 (0)	0 (0)	(3)
McHenry	100 (15)	0 (0)	0 (0)	0 (0)	(15)
McLean	0 (0)	0 (0)	33 (1)	67 (2)	(3)
Macon	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Macoupin	100 (20)	0 (0)	0 (0)	0 (0)	(20)
Madison	6 (3)	21 (10)	23 (11)	49 (23)	(47)
Marion	80 (39)	0 (0)	4 (2)	16 (8)	(49)
Marshall	0 (0)	9 (1)	82 (9)	9 (1)	(11)
Mason	0 (0)	11 (4)	75 (27)	14 (5)	(36)
Massac	0 (0)	0 (0)	0 (0)	100 (4)	(4)
Menard	0 (0)	33 (2)	17 (1)	50 (3)	(6)
Mercer	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Monroe	2 (2)	28 (30)	30 (32)	40 (42)	(106)
Montgomery	0 (0)	0 (0)	0 (0)	100 (16)	(16)
Morgan	0 (0)	0 (0)	45 (5)	55 (6)	(11)
Moultrie	0 (0)	100 (7)	0 (0)	0 (0)	(7)
Ogle	45 (9)	30 (6)	20 (4)	5 (1)	(20)
Peoria	0 (0)	0 (0)	36 (4)	64 (7)	(11)
Perry	0 (0)	0 (0)	2 (2)	98 (90)	(92)
Piatt	67 (4)	0 (0)	33 (2)	0 (0)	(6)
Pike	0 (0)	9 (1)	0 (0)	91 (10)	(11)
Pope	0 (0)	0 (0)	0 (0)	100 (6)	(6)
Pulaski	32 (7)	27 (6)	41 (9)	0 (0)	(22)
Putnam	0 (0)	100 (6)	0 (0)	0 (0)	(6)
Randolph	46 (73)	20 (32)	22 (35)	11 (18)	(158)
Richland	87 (27)	0 (0)	3 (1)	10 (3)	(31)
Rock Island	0 (0)	20 (1)	60 (3)	20 (1)	(5)
St. Clair	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Saline	3 (1)	3 (1)	0 (0)	93 (28)	(30)
Sangamon	0 (0)	0 (0)	0 (0)	100 (2)	(2)
Schuyler	0 (0)	0 (0)	100 (33)	0 (0)	(33)
Scott	0 (0)	30 (3)	50 (5)	20 (2)	(10)
Shelby	63 (12)	37 (7)	0 (0)	0 (0)	(19)
Stark	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Stephenson	0 (0)	94 (15)	6 (1)	0 (0)	(16)
Tazewell	10 (1)	20 (2)	20 (2)	50 (5)	(10)
Union	0 (0)	0 (0)	40 (4)	60 (6)	(10)
Vermilion	100 (5)	0 (0)	0 (0)	0 (0)	(5)
Wabash	7 (4)	38 (21)	38 (21)	18 (10)	(56)
Warren	0 (0)	0 (0)	0 (0)	100 (1)	(1)
Washington	6 (10)	75 (123)	16 (26)	3 (5)	(164)
Wayne	31 (15)	46 (22)	23 (11)	0 (0)	(48)
White	0 (0)	0 (0)	0 (0)	100 (60)	(60)
Whiteside	100 (4)	0 (0)	0 (0)	0 (0)	(4)
Will	0 (0)	0 (0)	0 (0)	100 (18)	(18)
Williamson	38 (3)	0 (0)	0 (0)	63 (5)	(8)
Winnebago	0 (0)	0 (0)	100 (56)	0 (0)	(56)
Woodford	0 (0)	0 (0)	0 (0)	100 (5)	(5)

**Total %:**            **20.7 (506)**                    **20.5 (502)**                    **25.9 (635)**                    **32.9 (806)**            **(2449)**

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 7

Percent (Number) of **Corn Field Points** Surveyed With Indicated **Residue Level**

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>&gt;30%</u>	
Adams	22 (71)	30 (96)	47 (150)	(317)
Alexander	84 (37)	0 (0)	16 (7)	(44)
Bond	94 (137)	0 (0)	6 (8)	(145)
Boone	70 (175)	18 (46)	11 (28)	(249)
Brown	69 (141)	14 (29)	17 (34)	(204)
Bureau	8 (27)	39 (127)	52 (168)	(322)
Calhoun	56 (42)	31 (23)	13 (10)	(75)
Carroll	8 (26)	35 (116)	57 (191)	(333)
Cass	6 (18)	22 (72)	72 (231)	(321)
Champaign	73 (225)	21 (64)	6 (19)	(308)
Christian	87 (253)	11 (31)	2 (7)	(291)
Clark	66 (151)	27 (61)	8 (18)	(230)
Clay	63 (179)	1 (2)	37 (105)	(286)
Clinton	66 (187)	5 (15)	28 (80)	(282)
Coles	71 (182)	18 (45)	12 (30)	(257)
Crawford	80 (208)	9 (24)	10 (27)	(259)
Cumberland	85 (262)	6 (20)	8 (26)	(308)
DeKalb	66 (179)	20 (55)	13 (36)	(270)
DeWitt	82 (265)	2 (5)	17 (55)	(325)
Douglas	87 (226)	9 (23)	4 (11)	(260)
Edgar	52 (117)	15 (35)	33 (75)	(227)
Edwards	71 (126)	0 (0)	29 (52)	(178)
Effingham	91 (252)	2 (5)	8 (21)	(278)
Fayette	81 (238)	8 (23)	11 (32)	(293)
Ford	85 (263)	8 (25)	7 (23)	(311)
Franklin	85 (104)	2 (2)	13 (16)	(122)
Fulton	14 (42)	48 (146)	38 (116)	(304)
Gallatin	76 (176)	10 (24)	13 (31)	(231)
Greene	86 (281)	2 (5)	12 (40)	(326)
Grundy	78 (199)	19 (47)	3 (8)	(254)
Hamilton	47 (71)	10 (15)	43 (64)	(150)
Hancock	62 (146)	22 (52)	16 (38)	(236)
Hardin	75 (9)	0 (0)	25 (3)	(12)
Henderson	7 (16)	44 (105)	49 (117)	(238)
Henry	31 (105)	39 (134)	30 (103)	(342)
Iroquois	65 (154)	15 (36)	20 (48)	(238)
Jackson	57 (71)	0 (0)	43 (53)	(124)
Jasper	80 (198)	5 (13)	15 (36)	(247)
Jefferson	25 (33)	21 (28)	54 (73)	(134)
Jersey	42 (92)	18 (39)	41 (90)	(221)
JoDaviess	13 (25)	30 (57)	57 (108)	(190)
Johnson	61 (17)	4 (1)	36 (10)	(28)
Kane	13 (39)	70 (207)	17 (51)	(297)
Kankakee	72 (176)	11 (27)	17 (43)	(246)
Kendall	74 (197)	17 (46)	9 (24)	(267)

Knox	50 (97)	22 (42)	28 (55)	(194)
Lake	0 (0)	0 (0)	0 (0)	(0)
LaSalle	57 (135)	42 (99)	1 (3)	(237)
Lawrence	50 (149)	19 (55)	31 (93)	(297)
Lee	56 (163)	32 (94)	11 (33)	(290)
Livingston	66 (141)	27 (57)	7 (15)	(213)
Logan	21 (64)	36 (110)	43 (129)	(303)
McDonough	43 (108)	29 (73)	28 (71)	(252)
McHenry	61 (124)	11 (23)	28 (56)	(203)
McLean	64 (167)	10 (27)	25 (65)	(259)
Macon	93 (259)	6 (18)	0 (1)	(278)
Macoupin	72 (188)	19 (49)	9 (24)	(261)
Madison	68 (121)	21 (38)	11 (19)	(178)
Marion	85 (168)	3 (6)	12 (23)	(197)
Marshall	2 (7)	68 (216)	30 (95)	(318)
Mason	0 (1)	32 (105)	68 (223)	(329)
Massac	34 (33)	4 (4)	61 (59)	(96)
Menard	24 (55)	43 (96)	33 (74)	(225)
Mercer	0 (0)	38 (89)	62 (143)	(232)
Monroe	60 (76)	32 (41)	8 (10)	(127)
Montgomery	76 (160)	9 (19)	15 (31)	(210)
Morgan	68 (267)	15 (58)	17 (67)	(392)
Moultrie	86 (240)	10 (27)	4 (12)	(279)
Ogle	38 (129)	31 (105)	32 (109)	(343)
Peoria	4 (12)	33 (93)	62 (173)	(278)
Perry	1 (2)	12 (22)	86 (153)	(177)
Piatt	77 (261)	20 (67)	3 (11)	(339)
Pike	70 (169)	26 (62)	5 (11)	(242)
Pope	51 (24)	0 (0)	49 (23)	(47)
Pulaski	55 (34)	5 (3)	40 (25)	(62)
Putnam	7 (9)	55 (71)	38 (49)	(129)
Randolph	76 (121)	9 (15)	14 (23)	(159)
Richland	61 (147)	1 (2)	38 (91)	(240)
Rock Island	12 (25)	28 (61)	60 (131)	(217)
St. Clair	15 (21)	82 (115)	3 (4)	(140)
Saline	51 (79)	19 (30)	29 (45)	(154)
Sangamon	57 (154)	18 (49)	25 (68)	(271)
Schuyler	28 (83)	47 (139)	25 (75)	(297)
Scott	12 (30)	38 (97)	50 (126)	(253)
Shelby	82 (348)	17 (72)	1 (3)	(423)
Stark	1 (4)	67 (224)	32 (108)	(336)
Stephenson	28 (90)	20 (64)	52 (167)	(321)
Tazewell	33 (77)	34 (80)	33 (77)	(234)
Union	15 (8)	4 (2)	81 (42)	(52)
Vermilion	89 (219)	8 (20)	2 (6)	(245)
Wabash	71 (160)	13 (30)	16 (35)	(225)
Warren	6 (14)	37 (85)	56 (128)	(227)
Washington	37 (95)	37 (96)	26 (66)	(257)
Wayne	49 (62)	17 (22)	34 (43)	(127)
White	37 (85)	0 (0)	63 (143)	(230)
Whiteside	25 (75)	23 (71)	52 (158)	(304)
Will	74 (114)	15 (23)	12 (18)	(155)
Williamson	28 (16)	17 (10)	55 (32)	(58)
Winnebago	35 (133)	27 (104)	38 (145)	(382)
Woodford	19 (44)	33 (76)	48 (112)	(232)
<b>Total %:</b>	<b>50.7 (11705)</b>	<b>22.4 (5182)</b>	<b>26.9 (6219)</b>	<b>(23106)</b>



Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 8

Percent (Number) of **Soybean Field Points** Surveyed With Indicated **Residue Level**

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>&gt;30%</u>	
Adams	2 (7)	7 (19)	91 (264)	(290)
Alexander	43 (33)	0 (0)	57 (44)	(77)
Bond	67 (112)	0 (0)	33 (55)	(167)
Boone	10 (18)	20 (34)	70 (121)	(173)
Brown	10 (21)	17 (36)	72 (149)	(206)
Bureau	7 (14)	9 (18)	84 (165)	(197)
Calhoun	15 (6)	46 (18)	38 (15)	(39)
Carroll	2 (3)	13 (19)	85 (123)	(145)
Cass	0 (1)	12 (25)	88 (183)	(209)
Champaign	5 (15)	31 (84)	64 (174)	(273)
Christian	27 (58)	43 (93)	30 (65)	(216)
Clark	9 (22)	43 (105)	48 (115)	(242)
Clay	26 (75)	0 (1)	73 (209)	(285)
Clinton	30 (69)	4 (8)	66 (150)	(227)
Coles	10 (19)	51 (99)	40 (78)	(196)
Crawford	16 (40)	18 (46)	67 (172)	(258)
Cumberland	20 (59)	32 (94)	47 (138)	(291)
DeKalb	16 (26)	29 (47)	54 (87)	(160)
DeWitt	10 (26)	28 (76)	62 (167)	(269)
Douglas	17 (39)	39 (91)	45 (106)	(236)
Edgar	8 (19)	24 (56)	67 (154)	(229)
Edwards	31 (52)	1 (1)	69 (117)	(170)
Effingham	63 (157)	9 (23)	28 (71)	(251)
Fayette	19 (63)	11 (37)	70 (234)	(334)
Ford	25 (74)	28 (84)	47 (140)	(298)
Franklin	51 (94)	3 (5)	46 (86)	(185)
Fulton	0 (1)	6 (15)	93 (219)	(235)
Gallatin	54 (80)	18 (26)	28 (42)	(148)
Greene	12 (32)	1 (3)	87 (238)	(273)
Grundy	12 (28)	11 (26)	76 (174)	(228)
Hamilton	36 (59)	8 (13)	57 (94)	(166)
Hancock	14 (34)	15 (37)	70 (168)	(239)
Hardin	70 (19)	0 (0)	30 (8)	(27)
Henderson	0 (0)	15 (25)	85 (141)	(166)
Henry	2 (5)	18 (42)	80 (192)	(239)
Iroquois	3 (6)	5 (10)	92 (176)	(192)
Jackson	54 (141)	0 (1)	45 (117)	(259)
Jasper	21 (64)	24 (73)	55 (169)	(306)
Jefferson	19 (40)	12 (24)	69 (143)	(207)
Jersey	3 (6)	11 (20)	86 (154)	(180)
JoDaviess	2 (2)	12 (15)	86 (107)	(124)
Johnson	36 (20)	0 (0)	64 (35)	(55)
Kane	4 (7)	31 (60)	65 (126)	(193)
Kankakee	21 (43)	21 (43)	57 (115)	(201)
Kendall	21 (49)	24 (56)	55 (126)	(231)

Knox	8 (14)	16 (27)	76 (129)	(170)
Lake	0 (0)	0 (0)	0 (0)	(0)
LaSalle	5 (10)	63 (114)	32 (58)	(182)
Lawrence	7 (17)	6 (15)	87 (208)	(240)
Lee	15 (34)	44 (98)	41 (92)	(224)
Livingston	18 (39)	37 (82)	45 (98)	(219)
Logan	3 (7)	19 (49)	79 (205)	(261)
McDonough	9 (21)	22 (51)	68 (155)	(227)
McHenry	8 (15)	12 (22)	79 (140)	(177)
McLean	4 (8)	8 (17)	88 (186)	(211)
Macon	34 (91)	47 (125)	19 (51)	(267)
Macoupin	8 (14)	18 (33)	74 (132)	(179)
Madison	8 (11)	35 (48)	58 (80)	(139)
Marion	21 (35)	10 (17)	69 (115)	(167)
Marshall	0 (1)	9 (20)	90 (190)	(211)
Mason	0 (0)	11 (23)	89 (183)	(206)
Massac	19 (28)	3 (5)	78 (114)	(147)
Menard	6 (12)	21 (44)	73 (154)	(210)
Mercer	0 (0)	6 (12)	94 (183)	(195)
Monroe	10 (11)	37 (39)	52 (55)	(105)
Montgomery	6 (13)	23 (50)	71 (155)	(218)
Morgan	8 (27)	18 (64)	74 (262)	(353)
Moultrie	8 (18)	31 (69)	61 (134)	(221)
Ogle	8 (15)	22 (39)	69 (123)	(177)
Peoria	1 (2)	4 (10)	95 (229)	(241)
Perry	3 (4)	4 (6)	93 (143)	(153)
Piatt	0 (1)	22 (60)	78 (211)	(272)
Pike	16 (27)	20 (33)	64 (108)	(168)
Pope	41 (24)	3 (2)	56 (33)	(59)
Pulaski	24 (17)	0 (0)	76 (55)	(72)
Putnam	1 (1)	33 (29)	66 (58)	(88)
Randolph	28 (58)	11 (23)	61 (127)	(208)
Richland	13 (31)	2 (6)	85 (204)	(241)
Rock Island	2 (3)	6 (11)	92 (159)	(173)
St. Clair	7 (9)	42 (52)	50 (62)	(123)
Saline	31 (55)	19 (34)	49 (86)	(175)
Sangamon	19 (36)	25 (48)	57 (110)	(194)
Schuyler	4 (13)	8 (22)	88 (255)	(290)
Scott	0 (0)	4 (7)	96 (166)	(173)
Shelby	23 (83)	48 (173)	29 (106)	(362)
Stark	0 (0)	14 (33)	86 (209)	(242)
Stephenson	5 (10)	12 (22)	83 (152)	(184)
Tazewell	2 (4)	20 (40)	78 (159)	(203)
Union	11 (8)	4 (3)	86 (65)	(76)
Vermilion	21 (44)	24 (49)	55 (114)	(207)
Wabash	15 (29)	19 (37)	67 (134)	(200)
Warren	0 (1)	5 (10)	95 (210)	(221)
Washington	12 (30)	16 (40)	71 (173)	(243)
Wayne	18 (28)	4 (6)	79 (125)	(159)
White	19 (32)	2 (3)	79 (135)	(170)
Whiteside	8 (12)	19 (30)	74 (117)	(159)
Will	18 (28)	18 (28)	65 (103)	(159)
Williamson	21 (19)	21 (19)	59 (54)	(92)
Winnebago	5 (12)	13 (29)	82 (187)	(228)
Woodford	3 (6)	7 (13)	90 (167)	(186)

<b>Total %</b>	<b>14.3 (2826)</b>	<b>18.0 (3549)</b>	<b>67.7 (13344)</b>	<b>(19719)</b>
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Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 9

Percent (Number) of **Small Grain Field Points** Surveyed With Indicated **Residue Level**

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>&gt;30%</u>	
Adams	0 (0)	7 (3)	93 (40)	(43)
Alexander	33 (3)	0 (0)	67 (6)	(9)
Bond	77 (56)	0 (0)	23 (17)	(73)
Boone	10 (2)	35 (7)	55 (11)	(20)
Brown	10 (2)	24 (5)	67 (14)	(21)
Bureau	0 (0)	0 (0)	100 (12)	(12)
Calhoun	33 (3)	56 (5)	11 (1)	(9)
Carroll	0 (0)	88 (7)	13 (1)	(8)
Cass	0 (0)	4 (1)	96 (22)	(23)
Champaign	0 (0)	0 (0)	100 (4)	(4)
Christian	80 (4)	0 (0)	20 (1)	(5)
Clark	0 (0)	0 (0)	100 (18)	(18)
Clay	10 (6)	10 (6)	80 (48)	(60)
Clinton	10 (13)	0 (0)	90 (119)	(132)
Coles	20 (1)	40 (2)	40 (2)	(5)
Crawford	9 (3)	63 (22)	29 (10)	(35)
Cumberland	0 (0)	33 (3)	67 (6)	(9)
DeKalb	14 (2)	43 (6)	43 (6)	(14)
DeWitt	0 (0)	0 (0)	0 (0)	(0)
Douglas	50 (3)	17 (1)	33 (2)	(6)
Edgar	0 (0)	100 (4)	0 (0)	(4)
Edwards	92 (34)	0 (0)	8 (3)	(37)
Effingham	91 (30)	0 (0)	9 (3)	(33)
Fayette	12 (9)	15 (11)	73 (55)	(75)
Ford	18 (2)	0 (0)	82 (9)	(11)
Franklin	21 (15)	47 (34)	33 (24)	(73)
Fulton	0 (0)	0 (0)	100 (10)	(10)
Gallatin	41 (7)	29 (5)	29 (5)	(17)
Greene	0 (0)	0 (0)	100 (18)	(18)
Grundy	100 (1)	0 (0)	0 (0)	(1)
Hamilton	14 (9)	16 (10)	70 (45)	(64)
Hancock	0 (0)	0 (0)	100 (13)	(13)
Hardin	0 (0)	0 (0)	0 (0)	(0)
Henderson	33 (1)	67 (2)	0 (0)	(3)
Henry	10 (1)	40 (4)	50 (5)	(10)
Iroquois	0 (0)	0 (0)	100 (7)	(7)
Jackson	59 (20)	0 (0)	41 (14)	(34)
Jasper	7 (2)	34 (10)	59 (17)	(29)
Jefferson	18 (13)	6 (4)	76 (54)	(71)
Jersey	5 (1)	5 (1)	90 (19)	(21)
JoDaviess	0 (0)	56 (14)	44 (11)	(25)
Johnson	0 (0)	0 (0)	0 (0)	(0)
Kane	11 (3)	50 (14)	39 (11)	(28)
Kankakee	4 (1)	0 (0)	96 (24)	(25)
Kendall	18 (2)	73 (8)	9 (1)	(11)

Knox	0 (0)	0 (0)	0 (0)	(0)
Lake	0 (0)	0 (0)	0 (0)	(0)
LaSalle	0 (0)	0 (0)	100 (1)	(1)
Lawrence	3 (1)	0 (0)	97 (32)	(33)
Lee	0 (0)	0 (0)	100 (6)	(6)
Livingston	18 (2)	82 (9)	0 (0)	(11)
Logan	0 (0)	33 (1)	67 (2)	(3)
McDonough	0 (0)	100 (3)	0 (0)	(3)
McHenry	100 (15)	0 (0)	0 (0)	(15)
McLean	0 (0)	0 (0)	100 (3)	(3)
Macon	0 (0)	0 (0)	0 (0)	(0)
Macoupin	100 (20)	0 (0)	0 (0)	(20)
Madison	6 (3)	21 (10)	72 (34)	(47)
Marion	80 (39)	0 (0)	20 (10)	(49)
Marshall	0 (0)	9 (1)	91 (10)	(11)
Mason	0 (0)	11 (4)	89 (32)	(36)
Massac	0 (0)	0 (0)	100 (4)	(4)
Menard	0 (0)	33 (2)	67 (4)	(6)
Mercer	0 (0)	0 (0)	100 (6)	(6)
Monroe	2 (2)	28 (30)	70 (74)	(106)
Montgomery	0 (0)	0 (0)	100 (16)	(16)
Morgan	0 (0)	0 (0)	100 (11)	(11)
Moultrie	0 (0)	100 (7)	0 (0)	(7)
Ogle	45 (9)	30 (6)	25 (5)	(20)
Peoria	0 (0)	0 (0)	100 (11)	(11)
Perry	0 (0)	0 (0)	100 (92)	(92)
Piatt	67 (4)	0 (0)	33 (2)	(6)
Pike	0 (0)	9 (1)	91 (10)	(11)
Pope	0 (0)	0 (0)	100 (6)	(6)
Pulaski	32 (7)	27 (6)	41 (9)	(22)
Putnam	0 (0)	100 (6)	0 (0)	(6)
Randolph	46 (73)	20 (32)	34 (53)	(158)
Richland	87 (27)	0 (0)	13 (4)	(31)
Rock Island	0 (0)	20 (1)	80 (4)	(5)
St. Clair	0 (0)	0 (0)	0 (0)	(0)
Saline	3 (1)	3 (1)	93 (28)	(30)
Sangamon	0 (0)	0 (0)	100 (2)	(2)
Schuyler	0 (0)	0 (0)	100 (33)	(33)
Scott	0 (0)	30 (3)	70 (7)	(10)
Shelby	63 (12)	37 (7)	0 (0)	(19)
Stark	0 (0)	0 (0)	100 (6)	(6)
Stephenson	0 (0)	94 (15)	6 (1)	(16)
Tazewell	10 (1)	20 (2)	70 (7)	(10)
Union	0 (0)	0 (0)	100 (10)	(10)
Vermilion	100 (5)	0 (0)	0 (0)	(5)
Wabash	7 (4)	38 (21)	55 (31)	(56)
Warren	0 (0)	0 (0)	100 (1)	(1)
Washington	6 (10)	75 (123)	19 (31)	(164)
Wayne	31 (15)	46 (22)	23 (11)	(48)
White	0 (0)	0 (0)	100 (60)	(60)
Whiteside	100 (4)	0 (0)	0 (0)	(4)
Will	0 (0)	0 (0)	100 (18)	(18)
Williamson	38 (3)	0 (0)	63 (5)	(8)
Winnebago	0 (0)	0 (0)	100 (56)	(56)
Woodford	0 (0)	0 (0)	100 (5)	(5)

**Total %:**                      **20.7 (506)**                      **20.5 (502)**                      **58.8 (1441)**                      **(2449)**

Project: **Illinois Soil Conservation Transects**  
 Transects: 100  
 State: Illinois  
 Year: 2004  
 Counties: 100

## REPORT 10

Percent (Number) of Fields Surveyed With Indicated **Ephemeral Erosion**

### Ephemeral Erosion

<u>County</u>	<u>Yes</u>		<u>No</u>		<u>Total</u>
Adams	32	(234)	68	(507)	(741)
Alexander	2	(3)	98	(140)	(143)
Bond	9	(40)	91	(404)	(444)
Boone	12	(62)	88	(447)	(509)
Brown	66	(360)	34	(183)	(543)
Bureau	34	(184)	66	(357)	(541)
Calhoun	18	(44)	82	(206)	(250)
Carroll	19	(110)	81	(457)	(567)
Cass	44	(275)	56	(357)	(632)
Champaign	12	(71)	88	(535)	(606)
Christian	4	(19)	96	(523)	(542)
Clark	20	(98)	80	(401)	(499)
Clay	8	(55)	92	(65)	(705)
Clinton	0	(0)	100	(707)	(707)
Coles	20	(94)	80	(373)	(467)
Crawford	35	(212)	65	(400)	(612)
Cumberland	11	(70)	89	(595)	(665)
DeKalb	32	(154)	68	(330)	(484)
DeWitt	6	(37)	94	(572)	(609)
Douglas	3	(14)	97	(495)	(509)
Edgar	17	(82)	83	(398)	(480)
Edwards	29	(131)	71	(318)	(449)
Effingham	16	(98)	84	(519)	(617)
Fayette	18	(139)	82	(651)	(790)
Ford	8	(53)	92	(586)	(639)
Franklin	1	(4)	99	(511)	(515)
Fulton	46	(284)	54	(330)	(614)
Gallatin	64	(271)	36	(155)	(426)
Greene	56	(379)	44	(303)	(682)
Grundy	5	(24)	95	(472)	(496)
Hamilton	14	(72)	86	(427)	(499)
Hancock	43	(230)	57	(299)	(529)
Hardin	68	(81)	33	(39)	(120)
Henderson	60	(276)	40	(187)	(463)
Henry	7	(41)	93	(582)	(623)
Iroquois	8	(35)	92	(409)	(444)
Jackson	58	(344)	42	(251)	(595)
Jasper	24	(150)	76	(471)	(621)
Jefferson	34	(197)	66	(376)	(573)
Jersey	26	(118)	74	(338)	(456)
JoDaviess	61	(285)	39	(186)	(471)
Johnson	8	(15)	92	(176)	(191)
Kane	6	(36)	94	(524)	(560)
Kankakee	0	(2)	100	(499)	(501)
Kendall	9	(47)	91	(493)	(540)

Knox	44	(178)	56	(224)	(402)
Lake	0	(0)	0	(0)	(0)
LaSalle	22	(95)	78	(340)	(435)
Lawrence	39	(235)	61	(364)	(599)
Lee	10	(53)	90	(487)	(540)
Livingston	4	(18)	96	(434)	(452)
Logan	13	(75)	87	(508)	(583)
McDonough	17	(84)	83	(424)	(508)
McHenry	29	(133)	71	(319)	(452)
McLean	39	(194)	61	(298)	(492)
Macon	6	(34)	94	(526)	(560)
Macoupin	11	(57)	89	(450)	(507)
Madison	44	(175)	56	(219)	(394)
Marion	19	(100)	81	(439)	(539)
Marshall	59	(335)	41	(229)	(564)
Mason	3	(21)	97	(634)	(655)
Massac	6	(21)	94	(326)	(347)
Menard	44	(206)	56	(260)	(466)
Mercer	52	(237)	48	(223)	(460)
Monroe	44	(156)	56	(196)	(352)
Montgomery	46	(210)	54	(249)	(459)
Morgan	26	(202)	74	(588)	(790)
Moultrie	25	(130)	75	(398)	(528)
Ogle	78	(466)	22	(135)	(601)
Peoria	64	(385)	36	(212)	(597)
Perry	7	(32)	93	(455)	(487)
Piatt	6	(38)	94	(584)	(622)
Pike	8	(40)	92	(480)	(520)
Pope	59	(201)	41	(137)	(338)
Pulaski	9	(18)	91	(187)	(205)
Putnam	42	(99)	58	(136)	(235)
Randolph	16	(100)	84	(515)	(615)
Richland	19	(102)	81	(448)	(550)
Rock Island	49	(234)	51	(242)	(476)
St. Clair	53	(177)	47	(156)	(333)
Saline	43	(200)	57	(262)	(462)
Sangamon	41	(206)	59	(299)	(505)
Schuyler	40	(313)	60	(469)	(782)
Scott	19	(89)	81	(370)	(459)
Shelby	21	(182)	79	(701)	(883)
Stark	60	(358)	40	(237)	(595)
Stephenson	20	(126)	80	(512)	(638)
Tazewell	23	(115)	77	(385)	(500)
Union	3	(15)	97	(459)	(474)
Vermilion	20	(97)	80	(378)	(475)
Wabash	31	(157)	69	(350)	(507)
Warren	50	(234)	50	(232)	(466)
Washington	5	(35)	95	(680)	(715)
Wayne	18	(83)	82	(378)	(461)
White	45	(220)	55	(272)	(492)
Whiteside	44	(225)	56	(289)	(514)
Will	11	(39)	89	(322)	(361)
Williamson	25	(80)	75	(239)	(319)
Winnebago	4	(32)	96	(731)	(763)
Woodford	12	(55)	88	(399)	(454)
<b>Total %:</b>	<b>25.9</b>	<b>(13232)</b>	<b>74.1</b>	<b>(37925)</b>	<b>(51157)</b>

