


**2002 ILLINOIS
SOIL CONSERVATION
TRANSECT SURVEY
SUMMARY**

NOVEMBER 2002



George H. Ryan, Governor

Joe Hampton, Director

2002
ILLINOIS SOIL CONSERVATION TRANSECT SURVEY SUMMARY

Introduction

The results of the ninth statewide Soil Conservation Transect Survey conducted this past spring and early summer 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 annual 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 the transect survey, SWCD and NRCS staff collect data from approximately 500 fields along a random route that intersects each township in the county twice. The survey is conducted each year 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 99 counties in Illinois that conduct a cropland survey, the data are 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.

Transect surveys have been completed for nine consecutive years (1994-2002). The nine 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 2002. The soil loss estimates for 1997-2002 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 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 2002 survey showed that 85% of the points surveyed were at or below T or tolerable soil loss levels. The survey conducted in 2001 also showed that 85% of the points surveyed were at T or less. In 2000, the Soil Conservation Transect Survey showed that 85.7% of the points surveyed were at or below T. 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 2002 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 2001 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 2002 are summarized in Tables 3 and 4. Statewide, the survey showed that 30.2% of corn, soybeans and small grain fields surveyed in 2002 were farmed using no-till practices, which leave the soil virtually undisturbed from harvest through planting. The percent is about one percentage point higher than the 2001 figure of 29.3%.

The largest increase in no-till was in soybeans. No-till soybeans increased from 42.1% to 43.9% from 2001 to 2002, marking the sixth year this trend has been observed. About 16.9% of all corn fields surveyed were planted no-till, about the same as in 2001. About 34.0% of small grain fields were planted no-till in 2002, compared with 32.4% in 2001.

About 15% of the fields surveyed were planted with a mulch-till system in 2002. This represents a decrease of 2.8 percentage points from 2001 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 planting a new crop. 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 decreased slightly from 47.1% in 2001 to 45.2 percent in 2002.

In 2002, mulch-till soybeans decreased by 5.9 percentage points, from 24.8% of the total soybeans fields surveyed in 2001 to 18.9% in 2002. Fields with mulch-till corn remained about the same in 2002 as 2001, at 10.7% of the points surveyed. Fields with mulch-till small grains decreased by 3.6 percentage points, from 27.9% in 2001 to 24.3% in 2002.

Statewide, 35.8% of the cropland fields surveyed in 2002 were planted conventionally, compared to 31.7% in 2001, an increase of about 4 percentage points. 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 19% of the fields surveyed in 2002 were planted with a reduced tillage system. This is about 2.2 percentage points lower than in 2001. 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 percent 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 2002, residue amounts of 30 percent or greater were measured on 45.2% of all fields surveyed. This was a decrease of 2.2 percentage points from 2001 of fields surveyed that had 30 percent or more residue levels. Between 1994 and 2002 residue levels of 30 percent or greater increased by nearly 13 percentage points.

In 2002, the percentage of soybean fields with residue levels of 30 percent or greater remaining decreased to 62.8% from 67.5% in 2001. From 1994 to 2001, the percentage of soybean fields surveyed with greater than 30% residue increased by nearly 24 points. The 30 percent or greater residue levels for cornfields surveyed increased slightly, from 27.4% in 2001 to 27.6% in 2002. Small grain fields with 30 percent or greater residue decreased by 1.7 percentage points from 60.1% in 2001 to 58.4% in 2002.

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, the number of fields surveyed in which actual or potential ephemeral/gully erosion was observed increased once again to 25.1%.

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 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 – 2002**

	<T	1-2 T	>2T	Unknown	Total %
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 – 2002**

	<T	0-1 Ton>T	1-2 Tons>T	2-3 Tons>T	>3 Tons>T	Unknown	Total %
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 FIELDS SURVEYED WITH INDICATED TILLAGE SYSTEMS
USED FOR EACH CROP 1994 – 2002**

	Conventional	Reduced	Mulch	No-Till	NA/Unknown	Total %
<u>CORN</u>						
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
<u>SOYBEANS</u>						
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
<u>SMALL GRAINS</u>						
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

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 1

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

<u>County</u>	<u><=1 "T"</u>	<u>1-2 "T"</u>	<u>>2 "T"</u>	<u>Total</u>
Adams	81 (599)	15 (110)	4 (31)	(740)
Alexander	83 (118)	14 (20)	3 (5)	(143)
Bond	63 (278)	28 (125)	9 (41)	(444)
Boone	92 (469)	6 (29)	2 (10)	(508)
Brown	81 (440)	13 (69)	6 (32)	(541)
Bureau	98 (531)	2 (9)	0 (1)	(541)
Calhoun	88 (221)	6 (14)	6 (15)	(250)
Carroll	85 (482)	11 (65)	3 (19)	(566)
Cass	94 (595)	5 (30)	1 (6)	(631)
Champaign	96 (581)	3 (20)	1 (5)	(606)
Christian	87 (470)	10 (53)	4 (19)	(542)
Clark	88 (441)	10 (48)	2 (10)	(499)
Clay	79 (554)	15 (104)	6 (45)	(703)
Clinton	87 (614)	10 (74)	3 (18)	(706)
Coles	91 (424)	8 (38)	1 (4)	(466)
Crawford	56 (339)	28 (167)	17 (101)	(607)
Cumberland	83 (550)	13 (89)	4 (25)	(664)
De Kalb	92 (442)	8 (39)	0 (0)	(481)
De Witt	91 (556)	7 (43)	2 (10)	(609)
Douglas	95 (484)	5 (27)	0 (0)	(511)
Edgar	91 (435)	9 (41)	1 (4)	(480)
Edwards	71 (317)	18 (82)	11 (50)	(449)
Effingham	89 (557)	6 (39)	5 (30)	(626)
Fayette	88 (698)	8 (67)	3 (24)	(789)
Ford	84 (534)	13 (85)	3 (19)	(638)
Franklin	66 (341)	23 (117)	11 (55)	(513)
Fulton	87 (537)	11 (70)	1 (7)	(614)
Gallatin	74 (303)	16 (66)	10 (41)	(410)
Greene	77 (521)	20 (137)	3 (23)	(681)
Grundy	98 (486)	2 (11)	0 (1)	(498)
Hamilton	77 (388)	15 (77)	8 (41)	(506)
Hancock	91 (483)	6 (31)	3 (15)	(529)
Hardin	85 (106)	4 (5)	10 (13)	(124)
Henderson	90 (415)	9 (40)	2 (7)	(462)
Henry	79 (496)	12 (77)	8 (51)	(624)
Iroquois	93 (414)	7 (29)	0 (1)	(444)
Jackson	70 (419)	16 (98)	13 (79)	(596)
Jasper	77 (476)	16 (102)	7 (42)	(620)
Jefferson	64 (369)	21 (120)	15 (89)	(578)
Jersey	77 (346)	20 (89)	4 (17)	(452)
Jo Daviess	79 (373)	15 (69)	6 (30)	(472)
Johnson	77 (151)	8 (16)	14 (28)	(195)
Kane	97 (553)	3 (19)	0 (0)	(572)
Kankakee	99 (497)	1 (3)	0 (1)	(501)

Kendall	98 (534)	2 (11)	0 (2)	(547)
Knox	83 (335)	12 (49)	4 (18)	(402)
La Salle	97 (422)	3 (13)	0 (0)	(435)
Lawrence	86 (512)	11 (66)	3 (20)	(598)
Lee	96 (519)	4 (21)	0 (0)	(540)
Livingston	89 (403)	8 (38)	2 (11)	(452)
Logan	94 (547)	5 (31)	1 (4)	(582)
McDonough	83 (418)	14 (69)	3 (17)	(504)
McHenry	95 (429)	5 (22)	0 (1)	(452)
McLean	87 (426)	13 (63)	0 (1)	(490)
Macon	84 (468)	14 (80)	2 (12)	(560)
Macoupin	85 (433)	11 (55)	4 (19)	(507)
Madison	65 (256)	20 (78)	16 (62)	(396)
Marion	78 (418)	15 (79)	8 (42)	(539)
Marshall	99 (531)	1 (7)	0 (1)	(539)
Mason	99 (649)	1 (5)	0 (0)	(654)
Massac	86 (297)	8 (27)	6 (22)	(346)
Menard	79 (368)	17 (81)	4 (17)	(466)
Mercer	88 (405)	10 (45)	2 (10)	(460)
Monroe	64 (228)	17 (61)	19 (67)	(356)
Montgomery	82 (379)	14 (64)	4 (18)	(461)
Morgan	85 (675)	11 (87)	4 (30)	(792)
Moultrie	94 (495)	4 (20)	2 (13)	(528)
Ogle	89 (535)	10 (61)	1 (5)	(601)
Peoria	95 (567)	4 (22)	1 (5)	(594)
Perry	78 (378)	16 (80)	6 (29)	(487)
Piatt	93 (577)	6 (40)	0 (2)	(619)
Pike	66 (341)	22 (114)	13 (65)	(520)
Pope	92 (322)	4 (14)	4 (13)	(349)
Pulaski	59 (120)	19 (39)	22 (46)	(205)
Putnam	96 (220)	4 (9)	0 (0)	(229)
Randolph	62 (381)	20 (126)	18 (108)	(615)
Richland	79 (438)	13 (74)	7 (39)	(551)
Rock Island	80 (381)	16 (76)	5 (22)	(479)
St. Clair	74 (248)	19 (62)	7 (24)	(334)
Saline	85 (395)	10 (47)	4 (20)	(462)
Sangamon	86 (437)	10 (52)	4 (20)	(509)
Schuyler	83 (650)	13 (105)	4 (28)	(783)
Scott	94 (430)	5 (24)	1 (4)	(458)
Shelby	76 (666)	19 (164)	6 (52)	(882)
Stark	96 (573)	3 (19)	0 (2)	(594)
Stephenson	86 (546)	11 (68)	3 (22)	(636)
Tazewell	93 (466)	6 (30)	1 (4)	(500)
Union	87 (412)	9 (41)	5 (23)	(476)
Vermilion	91 (430)	9 (42)	0 (2)	(474)
Wabash	82 (424)	15 (78)	2 (12)	(514)
Warren	93 (433)	5 (25)	1 (6)	(464)
Washington	74 (531)	21 (151)	5 (39)	(721)
White	86 (422)	10 (47)	5 (23)	(492)
Whiteside	92 (473)	6 (33)	2 (8)	(514)
Will	94 (351)	6 (21)	1 (2)	(374)
Williamson	84 (194)	10 (22)	6 (14)	(230)
Winnebago	92 (711)	7 (55)	1 (8)	(774)
Woodford	96 (434)	3 (15)	1 (4)	(453)
Total %:	85.0 (43036)	10.8 (5491)	4.2 (2103)	(50630)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

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><="T"</u>	<u>0-1 T/A</u>	<u>1-2 T/A</u>	<u>2-3 T/A</u>	<u>>3 T/A</u>	<u>Total</u>
Adams	81 (599)	6 (41)	4 (30)	3 (21)	7 (49)	(740)
Alexander	83 (118)	9 (13)	2 (3)	2 (3)	4 (6)	(143)
Bond	63 (278)	10 (44)	10 (43)	8 (35)	10 (44)	(444)
Boone	92 (469)	3 (15)	1 (4)	0 (2)	4 (18)	(508)
Brown	81 (440)	4 (22)	3 (18)	4 (21)	7 (40)	(541)
Bureau	98 (531)	1 (7)	1 (3)	0 (0)	0 (0)	(541)
Calhoun	88 (221)	1 (3)	2 (4)	1 (2)	8 (20)	(250)
Carroll	85 (482)	4 (23)	4 (21)	2 (12)	5 (28)	(566)
Cass	94 (595)	2 (13)	1 (8)	1 (4)	2 (11)	(631)
Champaign	96 (581)	1 (7)	1 (7)	0 (3)	1 (8)	(606)
Christian	87 (470)	4 (21)	3 (14)	2 (10)	5 (27)	(542)
Clark	88 (441)	4 (20)	3 (16)	2 (10)	2 (12)	(499)
Clay	79 (554)	6 (43)	4 (30)	5 (32)	6 (44)	(703)
Clinton	87 (614)	6 (44)	2 (16)	1 (9)	3 (23)	(706)
Coles	91 (424)	4 (17)	3 (12)	1 (6)	2 (7)	(466)
Crawford	56 (339)	11 (69)	8 (49)	6 (34)	19 (116)	(607)
Cumberland	83 (550)	7 (47)	4 (25)	2 (12)	5 (30)	(664)
De Kalb	92 (442)	3 (15)	3 (13)	2 (9)	0 (2)	(481)
De Witt	91 (556)	3 (17)	1 (8)	1 (9)	3 (19)	(609)
Douglas	95 (484)	4 (19)	1 (6)	0 (1)	0 (1)	(511)
Edgar	91 (435)	5 (22)	2 (8)	1 (6)	2 (9)	(480)
Edwards	71 (317)	9 (41)	6 (27)	2 (10)	12 (54)	(449)
Effingham	89 (557)	3 (17)	1 (7)	2 (10)	6 (35)	(626)
Fayette	88 (698)	5 (37)	2 (16)	1 (9)	4 (29)	(789)
Ford	84 (534)	6 (40)	4 (27)	3 (17)	3 (20)	(638)
Franklin	66 (341)	9 (45)	8 (41)	6 (30)	11 (56)	(513)
Fulton	87 (537)	5 (31)	3 (17)	2 (14)	2 (15)	(614)
Gallatin	74 (303)	7 (27)	3 (14)	3 (11)	13 (55)	(410)
Greene	77 (521)	8 (55)	5 (31)	3 (19)	8 (55)	(681)
Grundy	98 (486)	1 (7)	0 (1)	1 (3)	0 (1)	(498)
Hamilton	77 (388)	7 (36)	4 (20)	4 (19)	8 (43)	(506)
Hancock	91 (483)	2 (12)	2 (9)	1 (4)	4 (21)	(529)
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Henry	79 (496)	5 (29)	3 (21)	2 (11)	11 (67)	(624)
Iroquois	93 (414)	4 (16)	2 (8)	1 (4)	0 (2)	(444)
Jackson	70 (419)	6 (33)	4 (24)	4 (24)	16 (96)	(596)
Jasper	77 (476)	9 (56)	4 (25)	3 (18)	7 (45)	(620)
Jefferson	64 (369)	8 (49)	7 (41)	4 (26)	16 (93)	(578)
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Kendall	98 (534)	1 (6)	0 (2)	1 (3)	0 (2)	(547)
Knox	83 (335)	5 (20)	4 (15)	2 (10)	5 (22)	(402)
La Salle	97 (422)	2 (9)	1 (4)	0 (0)	0 (0)	(435)
Lawrence	86 (512)	4 (22)	4 (23)	3 (17)	4 (24)	(598)
Lee	96 (519)	2 (12)	2 (9)	0 (0)	0 (0)	(540)
Livingston	89 (403)	5 (21)	2 (11)	1 (5)	3 (12)	(452)
Logan	94 (547)	3 (18)	1 (5)	1 (3)	2 (9)	(582)
McDonough	83 (418)	6 (32)	3 (17)	3 (16)	4 (21)	(504)
McHenry	95 (429)	2 (11)	1 (5)	1 (3)	1 (4)	(452)
McLean	87 (426)	5 (25)	4 (22)	1 (5)	2 (12)	(490)
Macon	84 (468)	6 (31)	3 (19)	3 (19)	4 (23)	(560)
Macoupin	85 (433)	5 (25)	3 (13)	2 (12)	5 (24)	(507)
Madison	65 (256)	8 (30)	5 (21)	4 (17)	18 (72)	(396)
Marion	78 (418)	6 (35)	5 (26)	3 (15)	8 (45)	(539)
Marshall	99 (531)	0 (1)	1 (3)	0 (2)	0 (2)	(539)
Mason	99 (649)	0 (3)	0 (2)	0 (0)	0 (0)	(654)
Massac	86 (297)	3 (12)	1 (5)	2 (8)	7 (24)	(346)
Menard	79 (368)	6 (26)	5 (25)	3 (15)	7 (32)	(466)
Mercer	88 (405)	4 (19)	3 (14)	1 (4)	4 (18)	(460)
Monroe	64 (228)	5 (19)	5 (19)	4 (13)	22 (77)	(356)
Montgomery	82 (379)	7 (31)	3 (16)	3 (14)	5 (21)	(461)
Morgan	85 (675)	6 (47)	2 (15)	1 (11)	6 (44)	(792)
Moultrie	94 (495)	1 (5)	1 (7)	1 (4)	3 (17)	(528)
Ogle	89 (535)	4 (25)	3 (16)	1 (7)	3 (18)	(601)
Peoria	95 (567)	2 (12)	1 (3)	1 (4)	1 (8)	(594)
Perry	78 (378)	7 (35)	5 (24)	3 (17)	7 (33)	(487)
Piatt	93 (577)	3 (19)	2 (13)	1 (4)	1 (6)	(619)
Pike	66 (341)	7 (37)	6 (31)	4 (20)	18 (91)	(520)
Pope	92 (322)	1 (4)	1 (2)	1 (4)	5 (17)	(349)
Pulaski	59 (120)	9 (18)	3 (7)	4 (9)	25 (51)	(205)
Putnam	96 (220)	1 (3)	1 (2)	1 (3)	0 (1)	(229)
Randolph	62 (381)	6 (38)	6 (35)	7 (40)	20 (121)	(615)
Richland	79 (438)	6 (32)	3 (19)	3 (19)	8 (43)	(551)
Rock Island	80 (381)	5 (22)	4 (20)	3 (16)	8 (40)	(479)
St. Clair	74 (248)	11 (36)	3 (11)	3 (9)	9 (30)	(334)
Saline	85 (395)	6 (30)	3 (12)	1 (4)	5 (21)	(462)
Sangamon	86 (437)	4 (19)	2 (11)	2 (8)	7 (34)	(509)
Schuyler	83 (650)	7 (51)	3 (25)	2 (14)	5 (43)	(783)
Scott	94 (430)	2 (11)	2 (8)	1 (4)	1 (5)	(458)
Shelby	76 (666)	8 (69)	5 (43)	4 (37)	8 (67)	(882)
Stark	96 (573)	1 (7)	1 (8)	1 (3)	1 (3)	(594)
Stephenson	86 (546)	4 (27)	4 (24)	2 (11)	4 (28)	(636)
Tazewell	93 (466)	3 (16)	2 (9)	1 (3)	1 (6)	(500)
Union	87 (412)	3 (15)	3 (15)	2 (10)	5 (24)	(476)
Vermilion	91 (430)	5 (23)	3 (12)	1 (7)	0 (2)	(474)
Wabash	82 (424)	8 (43)	4 (22)	2 (10)	3 (15)	(514)
Warren	93 (433)	3 (15)	0 (2)	1 (5)	2 (9)	(464)
Washington	74 (531)	9 (66)	8 (58)	3 (20)	6 (46)	(721)
White	86 (422)	3 (16)	3 (17)	2 (9)	6 (28)	(492)
Whiteside	92 (473)	2 (9)	2 (8)	2 (8)	3 (16)	(514)
Will	94 (351)	3 (12)	2 (8)	0 (1)	1 (2)	(374)
Williamson	84 (194)	3 (8)	2 (5)	3 (6)	7 (17)	(230)
Winnebago	92 (711)	4 (28)	2 (16)	1 (8)	1 (11)	(774)
Woodford	96 (434)	2 (7)	1 (5)	0 (2)	1 (5)	(453)

Total %: **85.0 (43036) 4.6 (2344) 3.0 (1522) 2.1 (1040) 5.3 (2688) (50630)**

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 3

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

<u>Present crop</u>	<u>Tillage system</u>					<u>Total</u>
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>		
Corn	53 (11796)	20 (4360)	11 (2378)	17 (3767)		(22301)
Soybeans row	28 (1546)	30 (1656)	21 (1139)	20 (1091)		(5432)
Soybeans drill	16 (2460)	14 (2101)	18 (2813)	52 (8091)		(15465)
Small grains	17 (293)	25 (447)	24 (432)	34 (603)		(1775)
Total %:	35.8 (16095)	19.0 (8564)	15.0 (6762)	30.2 (13552)		(44973)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 4

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

<u>County</u>	<u>Tillage System</u>				<u>Total</u>
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>	
Adams	19 (62)	45 (149)	25 (82)	11 (36)	(329)
Alexander	82 (27)	3 (1)	9 (3)	6 (2)	(33)
Bond	91 (125)	0 (0)	0 (0)	9 (13)	(138)
Boone	79 (178)	8 (19)	9 (21)	3 (7)	(225)
Brown	47 (101)	32 (68)	7 (14)	15 (32)	(215)
Bureau	16 (52)	38 (122)	31 (98)	15 (47)	(319)
Calhoun	36 (29)	36 (29)	11 (9)	16 (13)	(80)
Carroll	2 (7)	36 (127)	45 (159)	16 (57)	(350)
Cass	7 (21)	34 (106)	27 (83)	33 (102)	(312)
Champaign	74 (220)	20 (59)	4 (12)	2 (7)	(298)
Christian	94 (275)	5 (16)	0 (0)	0 (1)	(292)
Clark	76 (172)	17 (38)	3 (6)	5 (11)	(227)
Clay	60 (158)	0 (0)	2 (6)	38 (100)	(264)
Clinton	73 (216)	2 (7)	17 (49)	8 (23)	(295)
Coles	73 (189)	17 (43)	8 (20)	3 (8)	(260)
Crawford	81 (184)	7 (15)	2 (4)	11 (24)	(227)
Cumberland	91 (261)	1 (4)	1 (3)	6 (18)	(286)
De Kalb	59 (153)	24 (63)	16 (40)	1 (2)	(258)
De Witt	82 (267)	1 (3)	2 (8)	15 (49)	(327)
Douglas	87 (223)	9 (22)	1 (2)	3 (8)	(255)
Edgar	59 (132)	9 (19)	2 (5)	30 (67)	(223)
Edwards	55 (101)	1 (1)	14 (25)	31 (58)	(185)
Effingham	97 (259)	0 (0)	1 (3)	2 (4)	(266)
Fayette	81 (223)	6 (17)	6 (18)	7 (19)	(277)
Ford	77 (228)	17 (52)	5 (15)	1 (3)	(298)
Franklin	69 (87)	1 (1)	6 (8)	24 (30)	(126)
Fulton	24 (68)	38 (109)	20 (56)	18 (51)	(284)
Gallatin	85 (181)	8 (16)	0 (0)	8 (16)	(213)
Greene	93 (305)	1 (2)	1 (3)	5 (18)	(328)
Grundy	66 (170)	20 (51)	13 (34)	0 (1)	(256)
Hamilton	48 (69)	3 (4)	1 (1)	49 (70)	(144)
Hancock	64 (144)	16 (37)	2 (5)	18 (40)	(226)
Hardin	67 (12)	0 (0)	6 (1)	28 (5)	(18)
Henderson	12 (27)	39 (91)	26 (61)	23 (54)	(233)
Henry	26 (79)	21 (66)	6 (17)	47 (146)	(308)
Iroquois	69 (159)	14 (32)	7 (17)	10 (24)	(232)
Jackson	55 (64)	0 (0)	19 (22)	26 (31)	(117)
Jasper	82 (210)	0 (0)	0 (0)	18 (46)	(256)
Jefferson	62 (78)	1 (1)	6 (7)	32 (40)	(126)
Jersey	50 (106)	14 (31)	7 (16)	29 (61)	(214)
Jo Daviess	17 (33)	35 (67)	17 (32)	31 (59)	(191)
Johnson	61 (11)	11 (2)	0 (0)	28 (5)	(18)
Kane	24 (69)	53 (154)	21 (61)	2 (5)	(289)

Kankakee	59 (146)	12 (30)	8 (20)	21 (51)	(247)
Kendall	87 (213)	9 (21)	4 (9)	1 (2)	(245)
Knox	71 (147)	7 (14)	0 (0)	22 (46)	(207)
La Salle	57 (135)	42 (99)	0 (1)	1 (2)	(237)
Lawrence	52 (138)	11 (30)	5 (13)	32 (85)	(266)
Lee	56 (163)	33 (95)	9 (26)	2 (6)	(290)
Livingston	69 (144)	22 (46)	4 (9)	5 (10)	(209)
Logan	39 (112)	28 (82)	4 (13)	29 (83)	(290)
McDonough	49 (129)	20 (53)	9 (24)	22 (58)	(264)
McHenry	61 (124)	11 (23)	16 (32)	12 (24)	(203)
McLean	58 (142)	18 (43)	15 (37)	9 (23)	(245)
Macon	94 (274)	5 (16)	0 (0)	0 (1)	(291)
Macoupin	91 (228)	4 (10)	2 (4)	4 (9)	(251)
Madison	79 (131)	16 (26)	3 (5)	2 (4)	(166)
Marion	77 (133)	2 (3)	2 (4)	19 (33)	(173)
Marshall	4 (10)	65 (177)	19 (53)	12 (32)	(272)
Mason	0 (0)	46 (151)	23 (76)	31 (101)	(328)
Massac	24 (21)	5 (4)	1 (1)	70 (60)	(86)
Menard	35 (78)	45 (100)	7 (16)	13 (29)	(223)
Mercer	2 (4)	36 (82)	10 (24)	52 (119)	(229)
Monroe	93 (115)	6 (8)	0 (0)	1 (1)	(124)
Montgomery	85 (186)	8 (17)	0 (0)	7 (15)	(218)
Morgan	57 (223)	24 (92)	3 (10)	17 (65)	(390)
Moultrie	95 (247)	4 (11)	1 (2)	0 (0)	(260)
Ogle	50 (164)	27 (89)	10 (32)	13 (43)	(328)
Peoria	11 (29)	33 (89)	25 (68)	31 (84)	(270)
Perry	1 (2)	35 (55)	13 (20)	51 (81)	(158)
Piatt	83 (283)	15 (51)	2 (7)	0 (0)	(341)
Pike	67 (173)	24 (61)	6 (16)	3 (7)	(257)
Pope	29 (12)	0 (0)	0 (0)	71 (29)	(41)
Pulaski	53 (31)	3 (2)	5 (3)	38 (22)	(58)
Putnam	6 (7)	44 (50)	32 (36)	18 (20)	(113)
Randolph	66 (120)	4 (8)	4 (8)	25 (45)	(181)
Richland	50 (112)	0 (0)	4 (10)	45 (101)	(223)
Rock Island	12 (25)	22 (47)	12 (26)	55 (118)	(216)
St. Clair	78 (108)	2 (3)	4 (6)	15 (21)	(138)
Saline	44 (61)	9 (13)	2 (3)	44 (61)	(138)
Sangamon	66 (169)	13 (34)	8 (20)	13 (32)	(255)
Schuyler	19 (53)	53 (148)	21 (58)	7 (20)	(279)
Scott	18 (43)	36 (89)	22 (55)	24 (58)	(245)
Shelby	88 (348)	11 (45)	1 (2)	0 (1)	(396)
Stark	2 (5)	52 (161)	27 (84)	20 (62)	(312)
Stephenson	31 (93)	22 (66)	20 (62)	27 (82)	(303)
Tazewell	41 (94)	26 (60)	15 (33)	18 (40)	(227)
Union	20 (8)	3 (1)	0 (0)	78 (31)	(40)
Vermilion	92 (206)	6 (13)	1 (2)	2 (4)	(225)
Wabash	28 (62)	17 (38)	39 (88)	16 (37)	(225)
Warren	14 (33)	44 (104)	21 (49)	21 (49)	(235)
Washington	66 (174)	9 (24)	1 (3)	24 (64)	(265)
White	38 (70)	1 (2)	8 (15)	52 (95)	(182)
Whiteside	22 (64)	18 (52)	27 (79)	34 (101)	(296)
Will	83 (136)	7 (11)	1 (2)	9 (15)	(164)
Williamson	14 (3)	5 (1)	0 (0)	81 (17)	(21)
Winnebago	19 (81)	23 (97)	31 (130)	26 (110)	(418)
Woodford	22 (49)	32 (69)	26 (56)	21 (45)	(219)
Total %:	52.9 (11796)	19.5 (4360)	10.7 (2378)	16.9 (3767)	(22301)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 5

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

<u>County</u>	<u>Tillage System</u>					<u>Total</u>
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>		
Adams	5 (15)	20 (61)	28 (85)	48 (146)		(307)
Alexander	41 (39)	0 (0)	5 (5)	54 (52)		(96)
Bond	56 (99)	4 (8)	0 (0)	40 (71)		(178)
Boone	11 (24)	18 (39)	38 (81)	33 (71)		(215)
Brown	7 (14)	15 (29)	8 (16)	69 (132)		(191)
Bureau	2 (4)	14 (29)	33 (67)	51 (103)		(203)
Calhoun	22 (8)	38 (14)	24 (9)	16 (6)		(37)
Carroll	0 (0)	10 (12)	63 (79)	28 (35)		(126)
Cass	1 (2)	20 (44)	23 (49)	56 (121)		(216)
Champaign	14 (42)	41 (119)	23 (66)	22 (63)		(290)
Christian	37 (80)	39 (85)	6 (13)	18 (38)		(216)
Clark	19 (49)	52 (130)	12 (31)	17 (42)		(252)
Clay	26 (90)	1 (2)	4 (14)	69 (234)		(340)
Clinton	21 (71)	1 (2)	14 (49)	64 (218)		(340)
Coles	13 (24)	51 (98)	20 (39)	16 (31)		(192)
Crawford	37 (108)	9 (26)	2 (6)	52 (154)		(294)
Cumberland	51 (160)	21 (67)	4 (13)	24 (75)		(315)
De Kalb	19 (35)	17 (32)	41 (75)	23 (43)		(185)
De Witt	21 (55)	26 (71)	18 (49)	35 (93)		(268)
Douglas	18 (43)	37 (90)	7 (18)	37 (90)		(241)
Edgar	21 (49)	24 (54)	10 (24)	45 (102)		(229)
Edwards	19 (33)	1 (1)	29 (51)	52 (92)		(177)
Effingham	58 (161)	10 (27)	1 (2)	32 (88)		(278)
Fayette	25 (94)	9 (34)	24 (88)	42 (156)		(372)
Ford	14 (45)	62 (193)	2 (7)	21 (66)		(311)
Franklin	34 (79)	1 (3)	13 (31)	52 (120)		(233)
Fulton	2 (6)	11 (29)	24 (63)	62 (162)		(260)
Gallatin	55 (67)	17 (20)	1 (1)	27 (33)		(121)
Greene	45 (125)	1 (3)	9 (26)	45 (125)		(279)
Grundy	7 (15)	21 (49)	20 (45)	52 (119)		(228)
Hamilton	36 (75)	8 (17)	3 (7)	53 (111)		(210)
Hancock	25 (61)	17 (41)	11 (27)	48 (117)		(246)
Hardin	47 (8)	12 (2)	6 (1)	35 (6)		(17)
Henderson	4 (7)	20 (34)	16 (26)	60 (99)		(166)
Henry	5 (15)	28 (79)	23 (64)	43 (120)		(278)
Iroquois	11 (21)	12 (24)	51 (102)	26 (52)		(199)
Jackson	57 (154)	0 (0)	16 (44)	27 (73)		(271)
Jasper	34 (106)	14 (45)	2 (6)	50 (159)		(316)
Jefferson	24 (57)	5 (11)	7 (17)	64 (154)		(239)
Jersey	14 (24)	11 (19)	11 (20)	64 (112)		(175)
Jo Daviess	5 (6)	16 (19)	21 (24)	58 (67)		(116)
Johnson	31 (21)	0 (0)	1 (1)	67 (45)		(67)
Kane	3 (7)	30 (66)	31 (69)	36 (79)		(221)

Kankakee	24 (53)	19 (41)	18 (38)	39 (85)	(217)
Kendall	40 (102)	23 (58)	5 (13)	33 (84)	(257)
Knox	23 (38)	10 (17)	0 (0)	66 (107)	(162)
La Salle	5 (10)	63 (114)	6 (11)	26 (47)	(182)
Lawrence	18 (40)	14 (33)	5 (11)	63 (144)	(228)
Lee	15 (34)	44 (98)	14 (32)	27 (60)	(224)
Livingston	18 (41)	33 (74)	22 (48)	27 (60)	(223)
Logan	15 (40)	29 (79)	10 (26)	47 (128)	(273)
McDonough	12 (25)	16 (35)	40 (85)	32 (68)	(213)
McHenry	8 (15)	12 (22)	42 (74)	37 (66)	(177)
McLean	1 (2)	24 (56)	51 (117)	24 (54)	(229)
Macon	45 (116)	29 (75)	6 (16)	20 (53)	(260)
Macoupin	20 (39)	23 (45)	14 (28)	43 (83)	(195)
Madison	45 (75)	30 (50)	13 (22)	13 (21)	(168)
Marion	32 (67)	6 (12)	9 (18)	53 (111)	(208)
Marshall	2 (5)	13 (30)	61 (137)	24 (54)	(226)
Mason	0 (0)	20 (42)	28 (59)	53 (113)	(214)
Massac	14 (22)	4 (6)	1 (2)	81 (131)	(161)
Menard	10 (21)	27 (57)	29 (63)	34 (74)	(215)
Mercer	1 (2)	8 (16)	18 (36)	74 (150)	(204)
Monroe	39 (45)	18 (21)	20 (23)	23 (27)	(116)
Montgomery	43 (92)	14 (29)	5 (10)	38 (81)	(212)
Morgan	5 (16)	16 (56)	38 (135)	41 (144)	(351)
Moultrie	18 (43)	31 (76)	35 (84)	16 (40)	(243)
Ogle	16 (31)	39 (75)	18 (34)	27 (53)	(193)
Peoria	1 (3)	16 (39)	29 (72)	54 (136)	(250)
Perry	1 (2)	13 (29)	6 (13)	80 (175)	(219)
Piatt	3 (8)	39 (102)	36 (95)	22 (57)	(262)
Pike	22 (37)	15 (25)	6 (10)	57 (94)	(166)
Pope	49 (35)	0 (0)	3 (2)	49 (35)	(72)
Pulaski	24 (22)	3 (3)	14 (13)	59 (55)	(93)
Putnam	0 (0)	29 (30)	45 (47)	27 (28)	(105)
Randolph	19 (44)	6 (13)	15 (35)	59 (134)	(226)
Richland	14 (37)	1 (3)	10 (26)	75 (195)	(261)
Rock Island	2 (3)	5 (9)	23 (40)	70 (120)	(172)
St. Clair	35 (49)	4 (6)	11 (15)	50 (71)	(141)
Saline	31 (65)	10 (20)	4 (9)	55 (113)	(207)
Sangamon	46 (98)	18 (38)	8 (16)	29 (61)	(213)
Schuyler	8 (24)	9 (29)	45 (145)	38 (121)	(319)
Scott	1 (2)	5 (10)	36 (67)	58 (108)	(187)
Shelby	32 (121)	42 (159)	6 (24)	20 (77)	(381)
Stark	0 (1)	10 (28)	39 (104)	50 (134)	(267)
Stephenson	4 (8)	10 (19)	42 (83)	44 (88)	(198)
Tazewell	3 (7)	19 (41)	29 (64)	49 (107)	(219)
Union	17 (13)	4 (3)	0 (0)	79 (62)	(78)
Vermilion	31 (71)	24 (55)	9 (20)	36 (82)	(228)
Wabash	4 (10)	2 (5)	30 (72)	64 (157)	(244)
Warren	0 (1)	6 (13)	27 (56)	67 (141)	(211)
Washington	17 (40)	17 (41)	18 (44)	48 (116)	(241)
White	24 (54)	2 (5)	8 (17)	66 (150)	(226)
Whiteside	7 (11)	15 (25)	23 (39)	56 (94)	(169)
Will	29 (50)	13 (23)	1 (2)	57 (98)	(173)
Williamson	8 (6)	9 (7)	0 (0)	83 (64)	(77)
Winnebago	2 (4)	2 (4)	53 (125)	44 (104)	(237)
Woodford	4 (8)	15 (28)	34 (65)	48 (92)	(193)
Total %:	19.2 (4006)	18.0 (3757)	18.9 (3952)	43.9 (9182)	(20897)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 6

Percent (Number) of **Small Grain Fields** 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)	10 (4)	26 (10)	64 (25)	(39)
Alexander	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Bond	27 (16)	3 (2)	0 (0)	69 (41)	(59)
Boone	0 (0)	86 (12)	14 (2)	0 (0)	(14)
Brown	0 (0)	31 (5)	19 (3)	50 (8)	(16)
Bureau	0 (0)	0 (0)	0 (0)	100 (3)	(3)
Calhoun	50 (2)	25 (1)	25 (1)	0 (0)	(4)
Carroll	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Cass	8 (2)	69 (18)	19 (5)	4 (1)	(26)
Champaign	0 (0)	0 (0)	100 (4)	0 (0)	(4)
Christian	33 (1)	67 (2)	0 (0)	0 (0)	(3)
Clark	0 (0)	0 (0)	80 (8)	20 (2)	(10)
Clay	16 (5)	6 (2)	19 (6)	59 (19)	(32)
Clinton	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Coles	29 (2)	43 (3)	14 (1)	14 (1)	(7)
Crawford	5 (1)	45 (9)	50 (10)	0 (0)	(20)
Cumberland	0 (0)	0 (0)	45 (5)	55 (6)	(11)
De Kalb	43 (3)	0 (0)	0 (0)	57 (4)	(7)
De Witt	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Douglas	67 (4)	17 (1)	17 (1)	0 (0)	(6)
Edgar	0 (0)	100 (7)	0 (0)	0 (0)	(7)
Edwards	0 (0)	0 (0)	36 (8)	64 (14)	(22)
Effingham	100 (40)	0 (0)	0 (0)	0 (0)	(40)
Fayette	38 (20)	21 (11)	26 (14)	15 (8)	(53)
Ford	22 (2)	78 (7)	0 (0)	0 (0)	(9)
Franklin	8 (2)	28 (7)	64 (16)	0 (0)	(25)
Fulton	13 (1)	0 (0)	13 (1)	75 (6)	(8)
Gallatin	100 (7)	0 (0)	0 (0)	0 (0)	(7)
Greene	0 (0)	0 (0)	0 (0)	100 (19)	(19)
Grundy	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Hamilton	15 (4)	4 (1)	26 (7)	56 (15)	(27)
Hancock	0 (0)	0 (0)	0 (0)	100 (13)	(13)
Hardin	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henderson	0 (0)	100 (4)	0 (0)	0 (0)	(4)
Henry	0 (0)	0 (0)	0 (0)	100 (9)	(9)
Iroquois	17 (1)	0 (0)	17 (1)	67 (4)	(6)
Jackson	52 (16)	0 (0)	48 (15)	0 (0)	(31)
Jasper	20 (3)	40 (6)	7 (1)	33 (5)	(15)
Jefferson	12 (5)	0 (0)	0 (0)	88 (36)	(41)
Jersey	8 (2)	4 (1)	4 (1)	83 (20)	(24)
Jo Daviess	0 (0)	60 (9)	40 (6)	0 (0)	(15)
Johnson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Kane	6 (1)	63 (10)	31 (5)	0 (0)	(16)

Kankakee	18 (2)	0 (0)	0 (0)	82 (9)	(11)
Kendall	0 (0)	100 (12)	0 (0)	0 (0)	(12)
Knox	0 (0)	0 (0)	0 (0)	100 (1)	(1)
La Salle	0 (0)	0 (0)	0 (0)	100 (1)	(1)
Lawrence	4 (2)	4 (2)	28 (14)	64 (32)	(50)
Lee	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Livingston	10 (1)	90 (9)	0 (0)	0 (0)	(10)
Logan	0 (0)	100 (7)	0 (0)	0 (0)	(7)
McDonough	0 (0)	0 (0)	100 (1)	0 (0)	(1)
McHenry	100 (15)	0 (0)	0 (0)	0 (0)	(15)
McLean	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Macon	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Macoupin	38 (6)	0 (0)	0 (0)	63 (10)	(16)
Madison	8 (3)	92 (34)	0 (0)	0 (0)	(37)
Marion	42 (14)	0 (0)	3 (1)	55 (18)	(33)
Marshall	0 (0)	0 (0)	0 (0)	100 (2)	(2)
Mason	0 (0)	4 (1)	96 (22)	0 (0)	(23)
Massac	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Menard	0 (0)	71 (5)	0 (0)	29 (2)	(7)
Mercer	0 (0)	0 (0)	75 (3)	25 (1)	(4)
Monroe	4 (4)	27 (25)	14 (13)	55 (52)	(94)
Montgomery	9 (1)	18 (2)	0 (0)	73 (8)	(11)
Morgan	0 (0)	0 (0)	21 (3)	79 (11)	(14)
Moultrie	0 (0)	100 (8)	0 (0)	0 (0)	(8)
Ogle	0 (0)	89 (8)	11 (1)	0 (0)	(9)
Peoria	0 (0)	0 (0)	17 (1)	83 (5)	(6)
Perry	4 (2)	8 (4)	10 (5)	78 (40)	(51)
Piatt	0 (0)	0 (0)	100 (1)	0 (0)	(1)
Pike	23 (3)	8 (1)	0 (0)	69 (9)	(13)
Pope	0 (0)	0 (0)	0 (0)	100 (2)	(2)
Pulaski	71 (5)	0 (0)	0 (0)	29 (2)	(7)
Putnam	0 (0)	0 (0)	50 (1)	50 (1)	(2)
Randolph	28 (44)	1 (1)	64 (100)	7 (11)	(156)
Richland	60 (15)	0 (0)	16 (4)	24 (6)	(25)
Rock Island	13 (1)	25 (2)	25 (2)	38 (3)	(8)
St. Clair	0 (0)	21 (10)	79 (38)	0 (0)	(48)
Saline	0 (0)	0 (0)	22 (2)	78 (7)	(9)
Sangamon	0 (0)	0 (0)	0 (0)	100 (1)	(1)
Schuyler	0 (0)	0 (0)	88 (15)	12 (2)	(17)
Scott	0 (0)	0 (0)	30 (3)	70 (7)	(10)
Shelby	23 (9)	77 (30)	0 (0)	0 (0)	(39)
Stark	0 (0)	100 (1)	0 (0)	0 (0)	(1)
Stephenson	0 (0)	100 (16)	0 (0)	0 (0)	(16)
Tazewell	29 (2)	57 (4)	0 (0)	14 (1)	(7)
Union	0 (0)	11 (2)	33 (6)	56 (10)	(18)
Vermilion	50 (1)	0 (0)	0 (0)	50 (1)	(2)
Wabash	0 (0)	0 (0)	24 (5)	76 (16)	(21)
Warren	33 (1)	67 (2)	0 (0)	0 (0)	(3)
Washington	8 (13)	82 (137)	10 (16)	1 (2)	(168)
White	0 (0)	0 (0)	0 (0)	100 (52)	(52)
Whiteside	75 (6)	25 (2)	0 (0)	0 (0)	(8)
Will	0 (0)	0 (0)	0 (0)	100 (12)	(12)
Williamson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Winnebago	0 (0)	0 (0)	100 (30)	0 (0)	(30)
Woodford	0 (0)	0 (0)	22 (2)	78 (7)	(9)
Total %:	16.5 (293)	25.2 (447)	24.3 (432)	34.0 (603)	(1775)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 7

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

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>>30%</u>	
Adams	19 (62)	45 (149)	36 (118)	(329)
Alexander	82 (27)	3 (1)	15 (5)	(33)
Bond	91 (125)	0 (0)	9 (13)	(138)
Boone	79 (178)	8 (19)	12 (28)	(225)
Brown	47 (101)	32 (68)	21 (46)	(215)
Bureau	16 (52)	38 (122)	45 (145)	(319)
Calhoun	36 (29)	36 (29)	28 (22)	(80)
Carroll	2 (7)	36 (127)	62 (216)	(350)
Cass	7 (21)	34 (106)	59 (185)	(312)
Champaign	74 (220)	20 (59)	6 (19)	(298)
Christian	94 (275)	5 (16)	0 (1)	(292)
Clark	76 (172)	17 (38)	7 (17)	(227)
Clay	60 (158)	0 (0)	40 (106)	(264)
Clinton	73 (216)	2 (7)	24 (72)	(295)
Coles	73 (189)	17 (43)	11 (28)	(260)
Crawford	81 (184)	7 (15)	12 (28)	(227)
Cumberland	91 (261)	1 (4)	7 (21)	(286)
De Kalb	59 (153)	24 (63)	16 (42)	(258)
De Witt	82 (267)	1 (3)	17 (57)	(327)
Douglas	87 (223)	9 (22)	4 (10)	(255)
Edgar	59 (132)	9 (19)	32 (72)	(223)
Edwards	55 (101)	1 (1)	45 (83)	(185)
Effingham	97 (259)	0 (0)	3 (7)	(266)
Fayette	81 (223)	6 (17)	13 (37)	(277)
Ford	77 (228)	17 (52)	6 (18)	(298)
Franklin	69 (87)	1 (1)	30 (38)	(126)
Fulton	24 (68)	38 (109)	38 (107)	(284)
Gallatin	85 (181)	8 (16)	8 (16)	(213)
Greene	93 (305)	1 (2)	6 (21)	(328)
Grundy	66 (170)	20 (51)	14 (35)	(256)
Hamilton	48 (69)	3 (4)	49 (71)	(144)
Hancock	64 (144)	16 (37)	20 (45)	(226)
Hardin	67 (12)	0 (0)	33 (6)	(18)
Henderson	12 (27)	39 (91)	49 (115)	(233)
Henry	26 (79)	21 (66)	53 (163)	(308)
Iroquois	69 (159)	14 (32)	18 (41)	(232)
Jackson	55 (64)	0 (0)	45 (53)	(117)
Jasper	82 (210)	0 (0)	18 (46)	(256)
Jefferson	62 (78)	1 (1)	37 (47)	(126)
Jersey	50 (106)	14 (31)	36 (77)	(214)
Jo Daviess	17 (33)	35 (67)	48 (91)	(191)
Johnson	61 (11)	11 (2)	28 (5)	(18)
Kane	24 (69)	53 (154)	23 (66)	(289)

Kankakee	59 (146)	12 (30)	29 (71)	(247)
Kendall	87 (213)	9 (21)	4 (11)	(245)
Knox	71 (147)	7 (14)	22 (46)	(207)
La Salle	57 (135)	42 (99)	1 (3)	(237)
Lawrence	52 (138)	11 (30)	37 (98)	(266)
Lee	56 (163)	33 (95)	11 (32)	(290)
Livingston	69 (144)	22 (46)	9 (19)	(209)
Logan	39 (112)	28 (82)	33 (96)	(290)
McDonough	49 (129)	20 (53)	31 (82)	(264)
McHenry	61 (124)	11 (23)	28 (56)	(203)
McLean	58 (142)	18 (43)	24 (60)	(245)
Macon	94 (274)	5 (16)	0 (1)	(291)
Macoupin	91 (228)	4 (10)	5 (13)	(251)
Madison	79 (131)	16 (26)	5 (9)	(166)
Marion	77 (133)	2 (3)	21 (37)	(173)
Marshall	4 (10)	65 (177)	31 (85)	(272)
Mason	0 (0)	46 (151)	54 (177)	(328)
Massac	24 (21)	5 (4)	71 (61)	(86)
Menard	35 (78)	45 (100)	20 (45)	(223)
Mercer	2 (4)	36 (82)	62 (143)	(229)
Monroe	93 (115)	6 (8)	1 (1)	(124)
Montgomery	85 (186)	8 (17)	7 (15)	(218)
Morgan	57 (223)	24 (92)	19 (75)	(390)
Moultrie	95 (247)	4 (11)	1 (2)	(260)
Ogle	50 (164)	27 (89)	23 (75)	(328)
Peoria	11 (29)	33 (89)	56 (152)	(270)
Perry	1 (2)	35 (55)	64 (101)	(158)
Piatt	83 (283)	15 (51)	2 (7)	(341)
Pike	67 (173)	24 (61)	9 (23)	(257)
Pope	29 (12)	0 (0)	71 (29)	(41)
Pulaski	53 (31)	3 (2)	43 (25)	(58)
Putnam	6 (7)	44 (50)	50 (56)	(113)
Randolph	66 (120)	4 (8)	29 (53)	(181)
Richland	50 (112)	0 (0)	50 (111)	(223)
Rock Island	12 (25)	22 (47)	67 (144)	(216)
St. Clair	78 (108)	2 (3)	20 (27)	(138)
Saline	44 (61)	9 (13)	46 (64)	(138)
Sangamon	66 (169)	13 (34)	20 (52)	(255)
Schuyler	19 (53)	53 (148)	28 (78)	(279)
Scott	18 (43)	36 (89)	46 (113)	(245)
Shelby	88 (348)	11 (45)	1 (3)	(396)
Stark	2 (5)	52 (161)	47 (146)	(312)
Stephenson	31 (93)	22 (66)	48 (144)	(303)
Tazewell	41 (94)	26 (60)	32 (73)	(227)
Union	20 (8)	3 (1)	78 (31)	(40)
Vermilion	92 (206)	6 (13)	3 (6)	(225)
Wabash	28 (62)	17 (38)	56 (125)	(225)
Warren	14 (33)	44 (104)	42 (98)	(235)
Washington	66 (174)	9 (24)	25 (67)	(265)
White	38 (70)	1 (2)	60 (110)	(182)
Whiteside	22 (64)	18 (52)	61 (180)	(296)
Will	83 (136)	7 (11)	10 (17)	(164)
Williamson	14 (3)	5 (1)	81 (17)	(21)
Winnebago	19 (81)	23 (97)	57 (240)	(418)
Woodford	22 (49)	32 (69)	46 (101)	(219)
Total %:	52.9 (11796)	19.5 (4360)	27.6 (6145)	(22301)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 8

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

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>>30%</u>	
Adams	5 (15)	20 (61)	75 (231)	(307)
Alexander	41 (39)	0 (0)	59 (57)	(96)
Bond	56 (99)	4 (8)	40 (71)	(178)
Boone	11 (24)	18 (39)	71 (152)	(215)
Brown	7 (14)	15 (29)	77 (148)	(191)
Bureau	2 (4)	14 (29)	84 (170)	(203)
Calhoun	22 (8)	38 (14)	41 (15)	(37)
Carroll	0 (0)	10 (12)	90 (114)	(126)
Cass	1 (2)	20 (44)	79 (170)	(216)
Champaign	14 (42)	41 (119)	44 (129)	(290)
Christian	37 (80)	39 (85)	24 (51)	(216)
Clark	19 (49)	52 (130)	29 (73)	(252)
Clay	26 (90)	1 (2)	73 (248)	(340)
Clinton	21 (71)	1 (2)	79 (267)	(340)
Coles	13 (24)	51 (98)	36 (70)	(192)
Crawford	37 (108)	9 (26)	54 (160)	(294)
Cumberland	51 (160)	21 (67)	28 (88)	(315)
De Kalb	19 (35)	17 (32)	64 (118)	(185)
De Witt	21 (55)	26 (71)	53 (142)	(268)
Douglas	18 (43)	37 (90)	45 (108)	(241)
Edgar	21 (49)	24 (54)	55 (126)	(229)
Edwards	19 (33)	1 (1)	81 (143)	(177)
Effingham	58 (161)	10 (27)	32 (90)	(278)
Fayette	25 (94)	9 (34)	66 (244)	(372)
Ford	14 (45)	62 (193)	23 (73)	(311)
Franklin	34 (79)	1 (3)	65 (151)	(233)
Fulton	2 (6)	11 (29)	87 (225)	(260)
Gallatin	55 (67)	17 (20)	28 (34)	(121)
Greene	45 (125)	1 (3)	54 (151)	(279)
Grundy	7 (15)	21 (49)	72 (164)	(228)
Hamilton	36 (75)	8 (17)	56 (118)	(210)
Hancock	25 (61)	17 (41)	59 (144)	(246)
Hardin	47 (8)	12 (2)	41 (7)	(17)
Henderson	4 (7)	20 (34)	75 (125)	(166)
Henry	5 (15)	28 (79)	66 (184)	(278)
Iroquois	11 (21)	12 (24)	77 (154)	(199)
Jackson	57 (154)	0 (0)	43 (117)	(271)
Jasper	34 (106)	14 (45)	52 (165)	(316)
Jefferson	24 (57)	5 (11)	72 (171)	(239)
Jersey	14 (24)	11 (19)	75 (132)	(175)
Jo Daviess	5 (6)	16 (19)	78 (91)	(116)
Johnson	31 (21)	0 (0)	69 (46)	(67)
Kane	3 (7)	30 (66)	67 (148)	(221)

Kankakee	24 (53)	19 (41)	57 (123)	(217)
Kendall	40 (102)	23 (58)	38 (97)	(257)
Knox	23 (38)	10 (17)	66 (107)	(162)
La Salle	5 (10)	63 (114)	32 (58)	(182)
Lawrence	18 (40)	14 (33)	68 (155)	(228)
Lee	15 (34)	44 (98)	41 (92)	(224)
Livingston	18 (41)	33 (74)	48 (108)	(223)
Logan	15 (40)	29 (79)	56 (154)	(273)
McDonough	12 (25)	16 (35)	72 (153)	(213)
McHenry	8 (15)	12 (22)	79 (140)	(177)
McLean	1 (2)	24 (56)	75 (171)	(229)
Macon	45 (116)	29 (75)	27 (69)	(260)
Macoupin	20 (39)	23 (45)	57 (111)	(195)
Madison	45 (76)	30 (50)	25 (42)	(168)
Marion	32 (67)	6 (12)	62 (129)	(208)
Marshall	2 (5)	13 (30)	85 (191)	(226)
Mason	0 (0)	20 (42)	80 (172)	(214)
Massac	14 (22)	4 (6)	83 (133)	(161)
Menard	10 (21)	27 (57)	64 (137)	(215)
Mercer	1 (2)	8 (16)	91 (186)	(204)
Monroe	39 (45)	18 (21)	43 (50)	(116)
Montgomery	43 (92)	14 (29)	43 (91)	(212)
Morgan	5 (16)	16 (56)	79 (279)	(351)
Moultrie	18 (43)	31 (76)	51 (124)	(243)
Ogle	16 (31)	39 (75)	45 (87)	(193)
Peoria	1 (3)	16 (39)	83 (208)	(250)
Perry	1 (2)	13 (29)	86 (188)	(219)
Piatt	3 (8)	39 (102)	58 (152)	(262)
Pike	22 (37)	15 (25)	63 (104)	(166)
Pope	49 (35)	0 (0)	51 (37)	(72)
Pulaski	24 (22)	3 (3)	73 (68)	(93)
Putnam	0 (0)	29 (30)	71 (75)	(105)
Randolph	19 (44)	6 (13)	75 (169)	(226)
Richland	14 (37)	1 (3)	85 (221)	(261)
Rock Island	2 (3)	5 (9)	93 (160)	(172)
St. Clair	35 (49)	4 (6)	61 (86)	(141)
Saline	31 (65)	10 (20)	59 (122)	(207)
Sangamon	46 (98)	18 (38)	36 (77)	(213)
Schuyler	8 (24)	9 (29)	83 (266)	(319)
Scott	1 (2)	5 (10)	94 (175)	(187)
Shelby	32 (121)	42 (159)	27 (101)	(381)
Stark	0 (1)	10 (28)	89 (238)	(267)
Stephenson	4 (8)	10 (19)	86 (171)	(198)
Tazewell	3 (7)	19 (41)	78 (171)	(219)
Union	17 (13)	4 (3)	79 (62)	(78)
Vermilion	31 (71)	24 (55)	45 (102)	(228)
Wabash	4 (10)	2 (5)	94 (229)	(244)
Warren	0 (1)	6 (13)	93 (197)	(211)
Washington	17 (40)	17 (41)	66 (160)	(241)
White	24 (54)	2 (5)	74 (167)	(226)
Whiteside	7 (11)	15 (25)	79 (133)	(169)
Will	29 (50)	13 (23)	58 (100)	(173)
Williamson	8 (6)	9 (7)	83 (64)	(77)
Winnebago	2 (4)	2 (4)	97 (229)	(237)
Woodford	4 (8)	15 (28)	81 (157)	(193)
Total %	19.2 (4007)	18.0 (3757)	62.8 (13133)	(20897)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

REPORT 9

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

<u>County</u>	<u>Residue Level</u>			<u>Total</u>
	<u>0-15%</u>	<u>16-30%</u>	<u>>30%</u>	
Adams	0 (0)	10 (4)	90 (35)	(39)
Alexander	0 (0)	0 (0)	0 (0)	(0)
Bond	27 (16)	3 (2)	69 (41)	(59)
Boone	0 (0)	86 (12)	14 (2)	(14)
Brown	0 (0)	31 (5)	69 (11)	(16)
Bureau	0 (0)	0 (0)	100 (3)	(3)
Calhoun	50 (2)	25 (1)	25 (1)	(4)
Carroll	0 (0)	0 (0)	100 (6)	(6)
Cass	8 (2)	69 (18)	23 (6)	(26)
Champaign	0 (0)	0 (0)	100 (4)	(4)
Christian	33 (1)	67 (2)	0 (0)	(3)
Clark	0 (0)	0 (0)	100 (10)	(10)
Clay	16 (5)	6 (2)	78 (25)	(32)
Clinton	100 (1)	0 (0)	0 (0)	(1)
Coles	29 (2)	43 (3)	29 (2)	(7)
Crawford	5 (1)	45 (9)	50 (10)	(20)
Cumberland	0 (0)	0 (0)	100 (11)	(11)
De Kalb	43 (3)	0 (0)	57 (4)	(7)
De Witt	100 (1)	0 (0)	0 (0)	(1)
Douglas	67 (4)	17 (1)	17 (1)	(6)
Edgar	0 (0)	100 (7)	0 (0)	(7)
Edwards	0 (0)	0 (0)	100 (22)	(22)
Effingham	100 (40)	0 (0)	0 (0)	(40)
Fayette	38 (20)	21 (11)	42 (22)	(53)
Ford	22 (2)	78 (7)	0 (0)	(9)
Franklin	8 (2)	28 (7)	64 (16)	(25)
Fulton	13 (1)	0 (0)	88 (7)	(8)
Gallatin	100 (7)	0 (0)	0 (0)	(7)
Greene	0 (0)	0 (0)	100 (19)	(19)
Grundy	100 (1)	0 (0)	0 (0)	(1)
Hamilton	15 (4)	4 (1)	81 (22)	(27)
Hancock	0 (0)	0 (0)	100 (13)	(13)
Hardin	0 (0)	0 (0)	0 (0)	(0)
Henderson	0 (0)	100 (4)	0 (0)	(4)
Henry	0 (0)	0 (0)	100 (9)	(9)
Iroquois	17 (1)	0 (0)	83 (5)	(6)
Jackson	52 (16)	0 (0)	48 (15)	(31)
Jasper	20 (3)	40 (6)	40 (6)	(15)
Jefferson	12 (5)	0 (0)	88 (36)	(41)
Jersey	8 (2)	4 (1)	88 (21)	(24)
Jo Daviess	0 (0)	60 (9)	40 (6)	(15)
Johnson	0 (0)	0 (0)	0 (0)	(0)
Kane	6 (1)	63 (10)	31 (5)	(16)

Kankakee	18 (2)	0 (0)	82 (9)	(11)
Kendall	0 (0)	100 (12)	0 (0)	(12)
Knox	0 (0)	0 (0)	100 (1)	(1)
La Salle	0 (0)	0 (0)	100 (1)	(1)
Lawrence	4 (2)	4 (2)	92 (46)	(50)
Lee	0 (0)	0 (0)	100 (6)	(6)
Livingston	10 (1)	90 (9)	0 (0)	(10)
Logan	0 (0)	100 (7)	0 (0)	(7)
McDonough	0 (0)	0 (0)	100 (1)	(1)
McHenry	100 (15)	0 (0)	0 (0)	(15)
McLean	0 (0)	0 (0)	0 (0)	(0)
Macon	0 (0)	0 (0)	0 (0)	(0)
Macoupin	38 (6)	0 (0)	63 (10)	(16)
Madison	8 (3)	92 (34)	0 (0)	(37)
Marion	42 (14)	0 (0)	58 (19)	(33)
Marshall	0 (0)	0 (0)	100 (2)	(2)
Mason	0 (0)	4 (1)	96 (22)	(23)
Massac	0 (0)	0 (0)	0 (0)	(0)
Menard	0 (0)	71 (5)	29 (2)	(7)
Mercer	0 (0)	0 (0)	100 (4)	(4)
Monroe	4 (4)	27 (25)	69 (65)	(94)
Montgomery	9 (1)	18 (2)	73 (8)	(11)
Morgan	0 (0)	0 (0)	100 (14)	(14)
Moultrie	0 (0)	100 (8)	0 (0)	(8)
Ogle	0 (0)	89 (8)	11 (1)	(9)
Peoria	0 (0)	0 (0)	100 (6)	(6)
Perry	4 (2)	8 (4)	88 (45)	(51)
Piatt	0 (0)	0 (0)	100 (1)	(1)
Pike	23 (3)	8 (1)	69 (9)	(13)
Pope	0 (0)	0 (0)	100 (2)	(2)
Pulaski	71 (5)	0 (0)	29 (2)	(7)
Putnam	0 (0)	0 (0)	100 (2)	(2)
Randolph	28 (44)	1 (1)	71 (111)	(156)
Richland	60 (15)	0 (0)	40 (10)	(25)
Rock Island	13 (1)	25 (2)	63 (5)	(8)
St. Clair	0 (0)	21 (10)	79 (38)	(48)
Saline	0 (0)	0 (0)	100 (9)	(9)
Sangamon	0 (0)	0 (0)	100 (1)	(1)
Schuyler	0 (0)	0 (0)	100 (17)	(17)
Scott	0 (0)	0 (0)	100 (10)	(10)
Shelby	23 (9)	77 (30)	0 (0)	(39)
Stark	0 (0)	0 (0)	100 (1)	(1)
Stephenson	0 (0)	100 (16)	0 (0)	(16)
Tazewell	29 (2)	57 (4)	14 (1)	(7)
Union	0 (0)	11 (2)	89 (16)	(18)
Vermilion	50 (1)	0 (0)	50 (1)	(2)
Wabash	0 (0)	0 (0)	100 (21)	(21)
Warren	33 (1)	67 (2)	0 (0)	(3)
Washington	8 (13)	82 (137)	11 (18)	(168)
White	0 (0)	0 (0)	100 (52)	(52)
Whiteside	75 (6)	25 (2)	0 (0)	(8)
Will	0 (0)	0 (0)	100 (12)	(12)
Williamson	0 (0)	0 (0)	0 (0)	(0)
Winnebago	0 (0)	0 (0)	100 (30)	(30)
Woodford	0 (0)	0 (0)	100 (9)	(9)
Total %:	16.5 (293)	25.1 (446)	58.4 (1036)	(1775)

Project: **Illinois Soil Conservation Transects**
 Transects: 98
 State: Illinois
 Year: 2002
 Counties: 98

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	19 (143)	81 (599)	(742)
Alexander	2 (3)	98 (140)	(143)
Bond	9 (40)	91 (404)	(444)
Boone	14 (72)	86 (437)	(509)
Brown	57 (307)	43 (236)	(543)
Bureau	33 (177)	67 (364)	(541)
Calhoun	14 (34)	86 (216)	(250)
Carroll	11 (65)	89 (501)	(566)
Cass	56 (354)	44 (278)	(632)
Champaign	9 (53)	91 (553)	(606)
Christian	3 (15)	97 (527)	(542)
Clark	19 (94)	81 (405)	(499)
Clay	10 (68)	90 (637)	(705)
Clinton	3 (24)	97 (682)	(706)
Coles	21 (96)	79 (371)	(467)
Crawford	32 (196)	68 (411)	(607)
Cumberland	11 (70)	89 (595)	(665)
De Kalb	16 (76)	84 (405)	(481)
De Witt	6 (37)	94 (572)	(609)
Douglas	3 (14)	97 (496)	(510)
Edgar	19 (90)	81 (390)	(480)
Edwards	29 (131)	71 (318)	(449)
Effingham	16 (100)	84 (527)	(627)
Fayette	18 (140)	82 (649)	(789)
Ford	5 (29)	95 (610)	(639)
Franklin	1 (4)	99 (508)	(512)
Fulton	43 (261)	57 (353)	(614)
Gallatin	62 (255)	38 (156)	(411)
Greene	26 (175)	74 (509)	(684)
Grundy	8 (42)	92 (456)	(498)
Hamilton	23 (117)	77 (389)	(506)
Hancock	44 (232)	56 (297)	(529)
Hardin	66 (82)	34 (42)	(124)
Henderson	59 (274)	41 (189)	(463)
Henry	11 (67)	89 (557)	(624)
Iroquois	11 (49)	89 (395)	(444)
Jackson	58 (344)	42 (252)	(596)
Jasper	13 (80)	87 (540)	(620)
Jefferson	31 (179)	69 (400)	(579)
Jersey	25 (113)	75 (339)	(452)
Jo Daviess	47 (221)	53 (252)	(473)
Johnson	10 (20)	90 (175)	(195)
Kane	6 (34)	94 (538)	(572)

Kankakee	0 (2)	100 (499)	(501)
Kendall	6 (32)	94 (510)	(542)
Knox	44 (178)	56 (224)	(402)
La Salle	22 (95)	78 (340)	(435)
Lawrence	37 (219)	63 (379)	(598)
Lee	5 (28)	95 (512)	(540)
Livingston	3 (12)	97 (440)	(452)
Logan	14 (79)	86 (504)	(583)
McDonough	28 (143)	72 (361)	(504)
McHenry	29 (133)	71 (319)	(452)
McLean	40 (199)	60 (293)	(492)
Macon	6 (33)	94 (527)	(560)
Macoupin	11 (57)	89 (450)	(507)
Madison	41 (162)	59 (235)	(397)
Marion	23 (124)	77 (415)	(539)
Marshall	54 (291)	46 (250)	(541)
Mason	2 (13)	98 (641)	(654)
Massac	5 (19)	95 (328)	(347)
Menard	44 (206)	56 (260)	(466)
Mercer	55 (251)	45 (209)	(460)
Monroe	45 (158)	55 (197)	(355)
Montgomery	46 (210)	54 (249)	(459)
Morgan	25 (200)	75 (592)	(792)
Moultrie	25 (130)	75 (398)	(528)
Ogle	76 (459)	24 (142)	(601)
Peoria	64 (384)	36 (212)	(596)
Perry	1 (5)	99 (482)	(487)
Piatt	5 (28)	95 (594)	(622)
Pike	21 (111)	79 (409)	(520)
Pope	60 (208)	40 (141)	(349)
Pulaski	8 (17)	92 (188)	(205)
Putnam	39 (89)	61 (140)	(229)
Randolph	3 (20)	97 (594)	(614)
Richland	18 (99)	82 (452)	(551)
Rock Island	50 (239)	50 (240)	(479)
St. Clair	60 (200)	40 (135)	(335)
Saline	43 (199)	57 (263)	(462)
Sangamon	30 (151)	70 (359)	(510)
Schuyler	40 (313)	60 (469)	(782)
Scott	19 (89)	81 (370)	(459)
Shelby	21 (182)	79 (701)	(883)
Stark	57 (341)	43 (254)	(595)
Stephenson	29 (186)	71 (452)	(638)
Tazewell	21 (103)	79 (397)	(500)
Union	3 (15)	97 (459)	(474)
Vermilion	25 (120)	75 (355)	(475)
Wabash	30 (155)	70 (359)	(514)
Warren	50 (233)	50 (233)	(466)
Washington	10 (69)	90 (652)	(721)
White	45 (220)	55 (272)	(492)
Whiteside	44 (225)	56 (289)	(514)
Will	11 (42)	89 (332)	(374)
Williamson	23 (52)	77 (178)	(230)
Winnebago	19 (150)	81 (624)	(774)
Woodford	9 (41)	91 (413)	(454)

Total %:	25.1 (12696)	74.9 (37962)	(50658)
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