


**2001 ILLINOIS
SOIL CONSERVATION
TRANSECT SURVEY
SUMMARY**

NOVEMBER 2001



George H. Ryan, Governor

Joe Hampton, Director

2001
ILLINOIS SOIL CONSERVATION TRANSECT SURVEY SUMMARY

The results of the eighth 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 eight consecutive years (1994-2001). The eight 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 2001. The soil loss estimates for 1997-2001 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 2001 survey showed that 85% of the points surveyed were at or below T or tolerable soil loss levels. This is slightly less than the survey conducted in 2000, which showed that 85.7% of the points surveyed were at T or less. In 1999, the Soil Conservation Transect Survey also 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 2001 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 2000 survey. Only about 4.1% 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 2001 are summarized in Tables 3 and 4. Statewide, the survey showed that 29.3% of corn, soybeans and small grain fields surveyed in 2001 were farmed using no-till practices, which leave the soil virtually undisturbed from harvest through planting. The percent is very similar to the 2000 figure of 29.1%.

The largest increase in no-till was in corn. No-till corn increased from 16.4% to 17% from 2000 to 2001, marking the third year this trend has been observed. About 42.1% of all soybean fields surveyed were planted no-till, up from 41.7% in 2000. No-till soybeans have increased each year for 5 years in fields surveyed. About 32.4% of small grain fields were planted no-till in 2001, compared with 38.2% in 2000.

About 17.8% of the fields surveyed were planted with a mulch-till system in 2001. This represents a decrease of 1 percentage point from 2000 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 47.8% in 2000 to 47.1 percent in 2001.

In 2001, mulch-till soybeans decreased by 1.2 percentage points, from 26% of the total soybeans fields surveyed in 2000 to 24.8% in 2001. Fields with mulch-till corn also decreased by 1 percentage point, from 11.5% in 2000 to 10.5% in 2001. Fields with mulch-till small grains increased by 6 percentage points, from 21.9% in 2000 to 27.9% in 2001.

Statewide, 31.7% of the cropland fields surveyed in 2001 were planted conventionally, compared to 30.4% in 2000, an increase of 1.3 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 14 percentage points. Most of those fields are now in either no-till or mulch-till forms of conservation tillage.

Approximately 21.2% of the fields surveyed in 2001 were planted with a reduced tillage system, the same percentage as in 2000. 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.

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. In 2001, residue amounts of 30 percent or greater were measured on 47.4% of all fields surveyed. This was a slight increase over the 47.2% of the fields surveyed that had 30 percent or more residue levels in 2000. Between 1994 and 2001 residue levels of 30 percent or greater increased by nearly 15 percentage points.

In 2001, the percentage of soybean fields with residue levels of 30 percent or greater remaining. Decreased to 67.5% from 67.7% in 2000. 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% in 2000 to 27.4% in 2001. Small grain fields with 30 percent or greater residue also increased from 57.3% in 2000 to 60.1% in 2001.

Ephemeral 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, actual erosion or potential ephemeral/gully erosion was observed on 22% of the fields. In 2001, the number of fields surveyed in which actual or potential ephemeral/gully erosion was observed increased once again to 23.6%.

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.

2001 ILLINOIS SOIL CONSERVATION TRANSECT SURVEY SUMMARY NARRATIVE

Soil Savings Trends
Tillage System Trends
Crop Residue Level Trends
Ephemeral/Concentrated Flow Erosion Trends
Summary

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- Table 2 - Percent of Points Surveyed With Incremental Soil Loss Relative to T Value, 1994-2001
- Table 3 - Percent of Fields Surveyed With Each Tillage System, By Year, (Corn, Soybeans, Small Grain), 1994-2001
- Table 4 - Percent of Fields Surveyed With Indicated Tillage Systems Used For Each Crop, 1994-2001
- Table 5 - Percent of Fields Surveyed With Crop Residue Levels For All Crops, By Year (Corn, Soybeans and Small Grains), 1994-2001
- Table 6 - Percent of Fields Surveyed With Crop Residue Levels For Each Crop, 1994-2001

2001 SOIL EROSION AND CROP TILLAGE TRANSECT SURVEY COUNTY SUMMARY REPORTS

- Report 1 - Percent (Number) of Points Surveyed With Indicated **Relative Soil Loss**
- Report 2 - Percent (Number) of Points Surveyed With **Soil Loss > "T"**
- Report 3 - Percent (Number) of Fields Surveyed With Indicated **Tillage System** For Each **Present Crop**
- Report 4 - Percent (Number) of **Corn Fields** Surveyed With Indicated **Tillage System**
- Report 5 - Percent (Number) of **Soybean Fields** Surveyed With Indicated **Tillage System**
- Report 6 - Percent (Number) of **Small Grain Fields** Surveyed With Indicated **Tillage System**
- Report 7 - Percent (Number) of **Corn Fields** Surveyed With Indicated **Residue Level**
- Report 8 - Percent (Number) of **Soybean Fields** Surveyed With Indicated **Residue Level**
- Report 9 - Percent (Number) of **Small Grain Fields** Surveyed With Indicated **Residue Level**
- Report 10 - Percent (Number) of Fields Surveyed With Indicated **Ephemeral Erosion** By County

TABLE 1**PERCENT OF POINTS SURVEYED WITH RELATIVE SOIL LOSS BY T VALUE 1994 – 2001**

	<T	1-2 T	>2T	Unknown	Total %
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 – 2001**

	<T	0-1 Ton>T	1-2 Tons>T	2-3 Tons>T	>3 Tons>T	Unknown	Total %
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 – 2001**

	Conventional	Reduced	Mulch	No-Till	NA/Unknown	Total %
<u>CORN</u>						
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>						
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>						
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 FIELDS SURVEYED WITH
CROP RESIDUE LEVELS FOR EACH CROP 1994 – 2001**

	0-15%	16-30%	>30%	NA/Unknown	Total
<u>CORN</u>					
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
<u>SOYBEANS</u>					
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
<u>SMALL GRAINS</u>					
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 T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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>Unknown</u>	<u>Total</u>
Adams	79 (583)	15 (112)	6 (41)	1 (4)	(740)
Alexander	80 (115)	13 (18)	5 (7)	2 (3)	(143)
Bond	60 (267)	27 (121)	12 (54)	0 (2)	(444)
Boone	91 (460)	7 (37)	2 (9)	0 (2)	(508)
Brown	83 (430)	13 (65)	4 (23)	0 (1)	(519)
Bureau	98 (508)	2 (9)	0 (1)	0 (0)	(518)
Calhoun	86 (215)	7 (18)	5 (13)	2 (4)	(250)
Carroll	83 (468)	12 (69)	5 (29)	0 (0)	(566)
Cass	90 (570)	7 (47)	2 (13)	0 (2)	(632)
Champaign	96 (583)	3 (18)	1 (6)	0 (0)	(607)
Christian	86 (464)	11 (59)	4 (19)	0 (0)	(542)
Clark	89 (446)	9 (44)	2 (9)	0 (2)	(501)
Clay	80 (565)	13 (95)	6 (43)	0 (2)	(705)
Clinton	88 (624)	10 (68)	2 (17)	0 (1)	(710)
Coles	93 (432)	6 (30)	1 (3)	0 (0)	(465)
Crawford	56 (344)	29 (177)	15 (91)	0 (0)	(612)
Cumberland	83 (533)	14 (88)	3 (20)	0 (0)	(641)
De Kalb	89 (429)	10 (49)	0 (1)	0 (2)	(481)
De Witt	91 (553)	7 (40)	2 (12)	0 (0)	(605)
Douglas	95 (488)	5 (24)	0 (0)	0 (1)	(513)
Edgar	91 (435)	9 (41)	1 (3)	0 (0)	(479)
Edwards	72 (322)	19 (86)	8 (38)	1 (3)	(449)
Effingham	89 (554)	6 (35)	4 (22)	1 (8)	(619)
Fayette	91 (669)	7 (52)	2 (14)	0 (1)	(736)
Ford	85 (545)	12 (75)	2 (15)	0 (3)	(638)
Franklin	72 (369)	17 (90)	10 (51)	1 (6)	(516)
Fulton	84 (515)	14 (84)	2 (12)	0 (1)	(612)
Gallatin	69 (284)	19 (79)	11 (44)	0 (2)	(409)
Greene	80 (547)	16 (112)	3 (21)	1 (4)	(684)
Grundy	98 (497)	2 (8)	0 (2)	0 (0)	(507)
Hamilton	79 (403)	14 (71)	7 (35)	0 (0)	(509)
Hancock	92 (488)	5 (29)	2 (12)	0 (0)	(529)
Hardin	87 (108)	4 (5)	9 (11)	0 (0)	(124)
Henderson	90 (414)	9 (40)	2 (7)	0 (0)	(461)
Henry	81 (509)	12 (75)	7 (42)	0 (0)	(626)
Iroquois	94 (418)	5 (24)	0 (2)	0 (0)	(444)
Jackson	62 (373)	19 (114)	17 (104)	1 (7)	(598)
Jasper	78 (485)	17 (107)	4 (27)	0 (0)	(619)
Jefferson	61 (298)	22 (109)	16 (80)	1 (3)	(490)
Jersey	76 (347)	21 (94)	3 (15)	0 (0)	(456)
Jo Daviess	76 (359)	15 (73)	8 (37)	0 (2)	(471)
Johnson	56 (109)	27 (52)	17 (34)	0 (0)	(195)
Kane	95 (525)	4 (22)	0 (0)	1 (4)	(551)
Kankakee	99 (497)	1 (4)	0 (1)	0 (0)	(502)
Kendall	97 (476)	2 (8)	0 (1)	1 (7)	(492)
Knox	88 (355)	9 (36)	3 (11)	0 (0)	(402)

La Salle	96 (411)	3 (14)	0 (1)	0 (0)	(426)
Lawrence	88 (513)	9 (51)	3 (17)	0 (1)	(582)
Lee	96 (522)	3 (17)	0 (1)	0 (2)	(542)
Livingston	89 (401)	9 (41)	2 (10)	0 (0)	(452)
Logan	95 (552)	4 (26)	1 (4)	0 (1)	(583)
McDonough	86 (429)	11 (54)	4 (18)	0 (0)	(501)
McHenry	94 (432)	5 (24)	1 (4)	0 (0)	(460)
McLean	85 (420)	14 (68)	0 (2)	0 (2)	(492)
Macon	86 (484)	13 (75)	1 (4)	0 (1)	(564)
Macoupin	86 (438)	10 (51)	4 (18)	0 (0)	(507)
Madison	66 (210)	18 (57)	14 (44)	2 (5)	(316)
Marion	80 (419)	13 (70)	7 (37)	0 (1)	(527)
Marshall	97 (526)	2 (13)	0 (2)	0 (0)	(541)
Mason	98 (641)	2 (11)	0 (0)	0 (1)	(653)
Massac	76 (262)	14 (48)	9 (32)	1 (4)	(346)
Menard	77 (361)	20 (92)	3 (14)	0 (0)	(467)
Mercer	86 (400)	11 (51)	3 (12)	0 (0)	(463)
Monroe	65 (235)	15 (54)	20 (72)	1 (3)	(364)
Montgomery	86 (399)	11 (52)	2 (10)	1 (3)	(464)
Morgan	85 (677)	12 (92)	3 (24)	0 (0)	(793)
Moultrie	94 (494)	4 (23)	2 (11)	0 (0)	(528)
Ogle	92 (554)	8 (46)	0 (2)	0 (0)	(602)
Peoria	94 (548)	5 (27)	1 (5)	1 (6)	(586)
Perry	85 (413)	11 (53)	4 (21)	0 (0)	(487)
Piatt	93 (580)	7 (41)	0 (3)	0 (0)	(624)
Pike	67 (347)	21 (109)	12 (62)	0 (2)	(520)
Pope	89 (310)	6 (21)	5 (19)	0 (0)	(350)
Pulaski	57 (116)	14 (28)	30 (61)	0 (0)	(205)
Putnam	96 (219)	4 (8)	0 (0)	0 (0)	(227)
Randolph	65 (360)	20 (111)	14 (77)	1 (7)	(555)
Richland	81 (444)	13 (74)	6 (33)	0 (0)	(551)
Rock Island	79 (377)	14 (68)	7 (32)	0 (1)	(478)
St. Clair	77 (263)	12 (41)	9 (29)	2 (8)	(341)
Saline	85 (393)	10 (47)	5 (21)	0 (0)	(461)
Sangamon	87 (445)	10 (49)	3 (17)	0 (0)	(511)
Schuyler	85 (663)	12 (94)	3 (27)	0 (0)	(784)
Scott	93 (428)	6 (27)	1 (3)	0 (1)	(459)
Shelby	78 (668)	17 (144)	5 (43)	0 (1)	(856)
Stark	95 (569)	4 (23)	1 (3)	0 (1)	(596)
Stephenson	85 (544)	12 (74)	3 (18)	1 (4)	(640)
Tazewell	91 (456)	8 (38)	1 (6)	0 (0)	(500)
Union	83 (397)	11 (50)	6 (29)	0 (0)	(476)
Vermilion	92 (423)	7 (31)	1 (3)	0 (1)	(458)
Wabash	83 (427)	14 (70)	3 (16)	0 (2)	(515)
Warren	93 (432)	5 (24)	2 (8)	0 (1)	(465)
Washington	77 (555)	18 (131)	5 (33)	0 (2)	(721)
Wayne	83 (382)	11 (52)	6 (27)	0 (1)	(462)
White	89 (441)	8 (37)	3 (14)	0 (1)	(493)
Whiteside	89 (422)	8 (40)	3 (14)	0 (0)	(476)
Will	96 (346)	4 (15)	0 (1)	0 (0)	(362)
Williamson	80 (184)	11 (25)	9 (21)	0 (0)	(230)
Winnebago	90 (698)	9 (67)	2 (13)	0 (0)	(778)
Woodford	96 (437)	3 (13)	1 (3)	0 (1)	(454)

Total%: 85 (43045) 10.6 (5375) 4.1 (2053) .3 (141) (50614)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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>Unknown</u>	<u>Total</u>
Adams	79 (583)	4 (28)	5 (35)	5 (34)	8 (56)	1 (4)	(740)
Alexander	80 (115)	9 (13)	3 (4)	0 (0)	6 (8)	2 (3)	(143)
Bond	60 (267)	11 (49)	8 (37)	7 (29)	14 (60)	0 (2)	(444)
Boone	91 (460)	3 (14)	2 (12)	1 (4)	3 (16)	0 (2)	(508)
Brown	83 (430)	4 (23)	5 (24)	2 (11)	6 (30)	0 (1)	(519)
Bureau	98 (508)	2 (8)	0 (2)	0 (0)	0 (0)	0 (0)	(518)
Calhoun	86 (215)	6 (15)	1 (2)	0 (0)	6 (14)	2 (4)	(250)
Carroll	83 (468)	6 (33)	4 (23)	1 (8)	6 (34)	0 (0)	(566)
Cass	90 (570)	3 (18)	2 (13)	1 (7)	3 (22)	0 (2)	(632)
Champaign	96 (583)	0 (3)	2 (11)	0 (2)	1 (8)	0 (0)	(607)
Christian	86 (464)	4 (19)	3 (18)	2 (12)	5 (29)	0 (0)	(542)
Clark	89 (446)	4 (20)	3 (15)	2 (8)	2 (10)	0 (2)	(501)
Clay	80 (565)	6 (40)	4 (31)	4 (25)	6 (42)	0 (2)	(705)
Clinton	88 (624)	5 (38)	2 (15)	2 (11)	3 (21)	0 (1)	(710)
Coles	93 (432)	2 (11)	2 (10)	1 (6)	1 (6)	0 (0)	(465)
Crawford	56 (344)	10 (63)	8 (50)	7 (45)	18 (110)	0 (0)	(612)
Cumberland	83 (533)	6 (41)	4 (28)	2 (16)	4 (23)	0 (0)	(641)
De Kalb	89 (429)	5 (23)	3 (15)	2 (8)	1 (4)	0 (2)	(481)
De Witt	91 (553)	3 (17)	1 (8)	1 (8)	3 (19)	0 (0)	(605)
Douglas	95 (488)	3 (15)	1 (5)	1 (3)	0 (1)	0 (1)	(513)
Edgar	91 (435)	5 (22)	2 (10)	1 (6)	1 (6)	0 (0)	(479)
Edwards	72 (322)	9 (40)	5 (24)	5 (21)	9 (39)	1 (3)	(449)
Effingham	89 (554)	2 (15)	2 (10)	1 (8)	4 (24)	1 (8)	(619)
Fayette	91 (669)	4 (28)	2 (13)	1 (7)	2 (18)	0 (1)	(736)
Ford	85 (545)	7 (43)	3 (18)	2 (11)	3 (18)	0 (3)	(638)
Franklin	72 (369)	8 (40)	6 (29)	5 (24)	9 (48)	1 (6)	(516)
Fulton	84 (515)	6 (36)	4 (22)	2 (12)	4 (26)	0 (1)	(612)
Gallatin	69 (284)	7 (27)	5 (21)	4 (15)	15 (60)	0 (2)	(409)
Greene	80 (547)	6 (39)	5 (31)	3 (23)	6 (40)	1 (4)	(684)
Grundy	98 (497)	1 (5)	1 (3)	0 (0)	0 (2)	0 (0)	(507)
Hamilton	79 (403)	7 (34)	5 (24)	2 (12)	7 (36)	0 (0)	(509)
Hancock	92 (488)	2 (8)	2 (9)	1 (5)	4 (19)	0 (0)	(529)
Hardin	87 (108)	2 (2)	1 (1)	1 (1)	10 (12)	0 (0)	(124)
Henderson	90 (414)	3 (13)	1 (6)	1 (3)	5 (25)	0 (0)	(461)
Henry	81 (509)	4 (23)	3 (21)	2 (13)	10 (60)	0 (0)	(626)
Iroquois	94 (418)	3 (15)	1 (5)	1 (4)	0 (2)	0 (0)	(444)
Jackson	62 (373)	8 (47)	5 (31)	4 (23)	20 (117)	1 (7)	(598)
Jasper	78 (485)	9 (54)	5 (32)	3 (20)	5 (28)	0 (0)	(619)
Jefferson	61 (298)	8 (37)	6 (29)	8 (37)	18 (86)	1 (3)	(490)
Jersey	76 (347)	7 (30)	8 (36)	3 (14)	6 (29)	0 (0)	(456)
Jo Daviess	76 (359)	4 (17)	5 (23)	5 (22)	10 (48)	0 (2)	(471)
Johnson	56 (109)	22 (42)	3 (6)	0 (0)	19 (38)	0 (0)	(195)
Kane	95 (525)	2 (10)	2 (9)	0 (2)	0 (1)	1 (4)	(551)

Kankakee	99 (497)	1 (3)	0 (1)	0 (1)	0 (0)	0 (0)	(502)
Kendall	97 (476)	1 (3)	0 (2)	0 (2)	0 (2)	1 (7)	(492)
Knox	88 (355)	3 (14)	2 (9)	1 (4)	5 (20)	0 (0)	(402)
La Salle	96 (411)	2 (9)	1 (3)	0 (2)	0 (1)	0 (0)	(426)
Lawrence	88 (513)	3 (19)	3 (15)	2 (12)	4 (22)	0 (1)	(582)
Lee	96 (522)	2 (11)	0 (2)	1 (4)	0 (1)	0 (2)	(542)
Livingston	89 (401)	5 (22)	2 (7)	2 (10)	3 (12)	0 (0)	(452)
Logan	95 (552)	2 (14)	1 (5)	1 (4)	1 (7)	0 (1)	(583)
McDonough	86 (429)	6 (28)	3 (15)	3 (15)	3 (14)	0 (0)	(501)
McHenry	94 (432)	3 (13)	2 (7)	0 (2)	1 (6)	0 (0)	(460)
McLean	85 (420)	5 (26)	6 (29)	1 (6)	2 (9)	0 (2)	(492)
Macon	86 (484)	5 (27)	2 (13)	4 (22)	3 (17)	0 (1)	(564)
Macoupin	86 (438)	5 (27)	2 (12)	2 (9)	4 (21)	0 (0)	(507)
Madison	66 (210)	7 (22)	5 (17)	4 (13)	16 (49)	2 (5)	(316)
Marion	80 (419)	7 (35)	4 (19)	2 (12)	8 (41)	0 (1)	(527)
Marshall	97 (526)	1 (6)	1 (4)	0 (2)	1 (3)	0 (0)	(541)
Mason	98 (641)	1 (7)	0 (1)	0 (1)	0 (2)	0 (1)	(653)
Massac	76 (262)	5 (19)	5 (16)	3 (11)	10 (34)	1 (4)	(346)
Menard	77 (361)	8 (36)	5 (24)	4 (17)	6 (29)	0 (0)	(467)
Mercer	86 (400)	5 (25)	3 (13)	2 (11)	3 (14)	0 (0)	(463)
Monroe	65 (235)	4 (13)	4 (14)	4 (16)	23 (83)	1 (3)	(364)
Montgomery	86 (399)	5 (23)	3 (16)	2 (10)	3 (13)	1 (3)	(464)
Morgan	85 (677)	5 (37)	3 (24)	2 (14)	5 (41)	0 (0)	(793)
Moultrie	94 (494)	1 (6)	1 (3)	1 (4)	4 (21)	0 (0)	(528)
Ogle	92 (554)	4 (22)	1 (7)	2 (10)	1 (9)	0 (0)	(602)
Peoria	94 (548)	2 (13)	1 (6)	1 (6)	1 (7)	1 (6)	(586)
Perry	85 (413)	5 (22)	4 (19)	2 (11)	5 (22)	0 (0)	(487)
Piatt	93 (580)	3 (19)	2 (12)	1 (8)	1 (5)	0 (0)	(624)
Pike	67 (347)	6 (33)	5 (28)	4 (20)	17 (90)	0 (2)	(520)
Pope	89 (310)	1 (4)	1 (4)	3 (10)	6 (22)	0 (0)	(350)
Pulaski	57 (116)	5 (10)	1 (3)	5 (11)	32 (65)	0 (0)	(205)
Putnam	96 (219)	1 (3)	1 (2)	1 (3)	0 (0)	0 (0)	(227)
Randolph	65 (360)	6 (35)	6 (35)	5 (27)	16 (91)	1 (7)	(555)
Richland	81 (444)	6 (33)	3 (18)	3 (18)	7 (38)	0 (0)	(551)
Rock Island	79 (377)	5 (22)	4 (17)	2 (11)	10 (50)	0 (1)	(478)
St. Clair	77 (263)	6 (20)	3 (10)	2 (8)	9 (32)	2 (8)	(341)
Saline	85 (393)	4 (18)	3 (14)	2 (11)	5 (25)	0 (0)	(461)
Sangamon	87 (445)	4 (21)	2 (11)	1 (6)	5 (28)	0 (0)	(511)
Schuyler	85 (663)	7 (55)	2 (16)	2 (15)	4 (35)	0 (0)	(784)
Scott	93 (428)	3 (14)	2 (8)	1 (3)	1 (5)	0 (1)	(459)
Shelby	78 (668)	6 (49)	7 (56)	4 (32)	6 (50)	0 (1)	(856)
Stark	95 (569)	2 (13)	1 (4)	1 (5)	1 (4)	0 (1)	(596)
Stephenson	85 (544)	4 (25)	3 (20)	2 (14)	5 (33)	1 (4)	(640)
Tazewell	91 (456)	3 (16)	2 (8)	1 (7)	3 (13)	0 (0)	(500)
Union	83 (397)	2 (9)	4 (18)	3 (15)	8 (37)	0 (0)	(476)
Vermilion	92 (423)	5 (22)	2 (8)	0 (2)	0 (2)	0 (1)	(458)
Wabash	83 (427)	7 (34)	4 (21)	3 (13)	3 (18)	0 (2)	(515)
Warren	93 (432)	3 (16)	1 (3)	1 (4)	2 (9)	0 (1)	(465)
Washington	77 (555)	10 (74)	4 (26)	3 (20)	6 (44)	0 (2)	(721)
Wayne	83 (382)	7 (31)	4 (18)	1 (4)	6 (26)	0 (1)	(462)
White	89 (441)	4 (18)	3 (13)	1 (3)	3 (17)	0 (1)	(493)
Whiteside	89 (422)	4 (19)	1 (7)	2 (10)	4 (18)	0 (0)	(476)
Will	96 (346)	2 (9)	2 (6)	0 (0)	0 (1)	0 (0)	(362)
Williamson	80 (184)	3 (7)	5 (12)	2 (5)	10 (22)	0 (0)	(230)
Winnebago	90 (698)	5 (36)	2 (17)	1 (11)	2 (16)	0 (0)	(778)
Woodford	96 (437)	2 (8)	0 (1)	1 (3)	1 (4)	0 (1)	(454)

Total %: 85 (43045) 4.5 (2293) 3 (1490) 2.1 (1050) 5.1 (2595) .3 (141) (50614)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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	49 (10974)	23.5 (5266)	10.5 (2356)	17.0 (3799)	(22395)
Soybeans row	20.2 (956)	33.9 (1607)	29.0 (1372)	16.9 (801)	(4736)
Soybeans drill	12.4 (2010)	14.5 (2344)	23.6 (3808)	49.5 (7999)	(16161)
Small grains	20.8 (388)	18.9 (352)	27.9 (519)	32.4 (603)	(1862)
Total %:	31.7(14328)	21.2(9569)	17.8(8055)	29.3(13202)	(45154)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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	36 (120)	35 (118)	17 (57)	11 (38)	(333)
Alexander	66 (23)	0 (0)	3 (1)	31 (11)	(35)
Bond	91 (144)	2 (3)	0 (0)	8 (12)	(159)
Boone	87 (217)	3 (7)	3 (7)	7 (18)	(249)
Brown	42 (90)	27 (59)	4 (9)	27 (58)	(216)
Bureau	22 (62)	41 (113)	23 (63)	14 (40)	(278)
Calhoun	31 (18)	44 (26)	0 (0)	25 (15)	(59)
Carroll	14 (46)	37 (126)	38 (128)	11 (37)	(337)
Cass	34 (103)	25 (75)	10 (30)	32 (97)	(305)
Champaign	67 (215)	26 (83)	7 (21)	0 (1)	(320)
Christian	51 (122)	30 (70)	0 (1)	19 (44)	(237)
Clark	52 (118)	42 (95)	5 (12)	0 (1)	(226)
Clay	64 (150)	1 (3)	3 (8)	31 (73)	(234)
Clinton	70 (195)	6 (18)	15 (42)	9 (24)	(279)
Coles	58 (130)	32 (71)	7 (16)	3 (6)	(223)
Crawford	90 (249)	8 (22)	0 (1)	1 (4)	(276)
Cumberland	87 (244)	7 (19)	1 (3)	5 (15)	(281)
De Kalb	73 (183)	15 (38)	6 (16)	6 (15)	(252)
De Witt	85 (238)	2 (5)	1 (2)	12 (34)	(279)
Douglas	85 (224)	11 (28)	0 (0)	4 (11)	(263)
Edgar	36 (85)	27 (63)	6 (13)	31 (72)	(233)
Edwards	46 (79)	1 (2)	13 (23)	40 (69)	(173)
Effingham	91 (213)	4 (9)	2 (4)	3 (7)	(233)
Fayette	82 (217)	4 (10)	8 (21)	6 (17)	(265)
Ford	78 (248)	10 (31)	3 (10)	9 (27)	(316)
Franklin	27 (43)	24 (38)	19 (31)	30 (48)	(160)
Fulton	23 (67)	39 (111)	23 (67)	15 (42)	(287)
Gallatin	86 (194)	10 (23)	2 (5)	1 (3)	(225)
Greene	92 (311)	0 (1)	1 (2)	7 (23)	(337)
Grundy	36 (93)	38 (98)	12 (32)	13 (34)	(257)
Hamilton	45 (69)	11 (17)	1 (1)	43 (66)	(153)
Hancock	34 (88)	16 (42)	25 (64)	24 (62)	(256)
Hardin	45 (5)	0 (0)	0 (0)	55 (6)	(11)
Henderson	2 (4)	41 (97)	24 (57)	32 (76)	(234)
Henry	43 (143)	19 (61)	7 (23)	31 (102)	(329)
Iroquois	69 (148)	14 (30)	8 (18)	8 (18)	(214)
Jackson	61 (75)	0 (0)	18 (22)	20 (25)	(122)
Jasper	79 (207)	3 (9)	2 (4)	16 (41)	(261)
Jefferson	71 (72)	4 (4)	4 (4)	22 (22)	(102)
Jersey	53 (112)	15 (33)	4 (9)	28 (59)	(213)
Jo Daviess	28 (57)	28 (57)	25 (50)	19 (39)	(203)
Johnson	39 (12)	13 (4)	0 (0)	48 (15)	(31)
Kane	43 (113)	42 (111)	12 (31)	3 (8)	(263)
Kankakee	38 (97)	27 (70)	9 (23)	26 (66)	(256)
Kendall	85 (234)	6 (17)	2 (6)	7 (19)	(276)
Knox	46 (84)	24 (44)	3 (6)	27 (49)	(183)
La Salle	46 (91)	43 (87)	4 (9)	6 (13)	(200)

Lawrence	44 (104)	14 (34)	6 (15)	35 (84)	(237)
Lee	4 (14)	71 (225)	22 (70)	3 (10)	(319)
Livingston	52 (118)	40 (89)	2 (4)	6 (14)	(225)
Logan	20 (57)	44 (127)	9 (26)	27 (79)	(289)
McDonough	57 (140)	25 (60)	9 (21)	9 (23)	(244)
McHenry	71 (159)	10 (22)	9 (21)	9 (21)	(223)
McLean	83 (212)	7 (19)	6 (15)	4 (9)	(255)
Macon	81 (234)	16 (47)	3 (8)	0 (1)	(290)
Macoupin	76 (172)	18 (40)	2 (5)	4 (8)	(225)
Madison	74 (96)	18 (23)	2 (2)	6 (8)	(129)
Marion	77 (106)	9 (13)	3 (4)	11 (15)	(138)
Marshall	21 (58)	58 (157)	16 (44)	5 (13)	(272)
Mason	1 (2)	38 (113)	23 (68)	39 (116)	(299)
Massac	27 (33)	5 (6)	4 (5)	65 (80)	(124)
Menard	70 (169)	0 (0)	11 (26)	19 (47)	(242)
Mercer	4 (10)	52 (121)	5 (11)	39 (89)	(231)
Monroe	65 (85)	14 (18)	7 (9)	15 (19)	(131)
Montgomery	79 (174)	16 (36)	0 (0)	5 (10)	(220)
Morgan	49 (192)	31 (121)	5 (20)	16 (62)	(395)
Moultrie	97 (247)	2 (5)	1 (2)	0 (1)	(255)
Ogle	37 (121)	28 (93)	21 (69)	15 (48)	(331)
Peoria	10 (27)	39 (110)	19 (53)	33 (93)	(283)
Perry	0 (0)	8 (13)	31 (50)	61 (98)	(161)
Piatt	44 (129)	38 (112)	17 (49)	1 (3)	(293)
Pike	86 (222)	12 (31)	0 (0)	2 (5)	(258)
Pope	66 (27)	2 (1)	0 (0)	32 (13)	(41)
Pulaski	48 (27)	0 (0)	13 (7)	39 (22)	(56)
Putnam	65 (81)	19 (23)	9 (11)	7 (9)	(124)
Randolph	66 (109)	2 (3)	17 (28)	15 (24)	(164)
Richland	53 (124)	2 (5)	6 (15)	38 (88)	(232)
Rock Island	5 (11)	44 (98)	4 (10)	47 (104)	(223)
St. Clair	72 (110)	10 (15)	4 (6)	14 (21)	(152)
Saline	47 (74)	8 (13)	4 (7)	41 (65)	(159)
Sangamon	64 (169)	16 (43)	5 (14)	15 (39)	(265)
Schuyler	17 (55)	48 (156)	26 (84)	9 (30)	(325)
Scott	33 (73)	36 (79)	14 (31)	18 (39)	(222)
Shelby	54 (217)	45 (183)	0 (2)	0 (2)	(404)
Stark	1 (3)	61 (209)	16 (55)	22 (75)	(342)
Stephenson	31 (107)	27 (92)	28 (95)	14 (47)	(341)
Tazewell	55 (145)	17 (46)	8 (21)	20 (54)	(266)
Union	9 (5)	9 (5)	2 (1)	80 (45)	(56)
Vermilion	40 (88)	40 (88)	11 (24)	9 (20)	(220)
Wabash	3 (6)	27 (62)	48 (109)	23 (52)	(229)
Warren	23 (55)	43 (103)	21 (51)	13 (32)	(241)
Washington	13 (27)	43 (92)	7 (14)	38 (80)	(213)
Wayne	49 (59)	7 (8)	9 (11)	36 (43)	(121)
White	43 (94)	2 (5)	8 (18)	47 (103)	(220)
Whiteside	29 (76)	24 (62)	19 (49)	29 (76)	(263)
Will	71 (123)	14 (24)	2 (3)	13 (23)	(173)
Williamson	21 (11)	17 (9)	8 (4)	55 (29)	(53)
Winnebago	38 (147)	31 (118)	11 (42)	20 (76)	(383)
Woodford	9 (18)	20 (41)	47 (95)	25 (50)	(204)
Total %:	49 (10974)	23.5 (5266)	10.5 (2356)	17.0 (3799)	(22395)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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	7 (20)	16 (48)	28 (84)	50 (149)	(301)
Alexander	46 (32)	9 (6)	7 (5)	39 (27)	(70)
Bond	59 (103)	26 (45)	0 (0)	15 (27)	(175)
Boone	25 (47)	28 (52)	23 (43)	25 (47)	(189)
Brown	10 (19)	22 (40)	10 (18)	58 (108)	(185)
Bureau	4 (9)	13 (29)	44 (94)	39 (84)	(216)
Calhoun	16 (9)	37 (21)	0 (0)	47 (27)	(57)
Carroll	1 (2)	18 (25)	53 (72)	27 (37)	(136)
Cass	3 (8)	15 (34)	25 (58)	57 (130)	(230)
Champaign	13 (35)	44 (121)	29 (78)	14 (38)	(272)
Christian	17 (46)	38 (106)	25 (69)	20 (56)	(277)
Clark	10 (26)	46 (119)	32 (82)	11 (29)	(256)
Clay	29 (108)	1 (2)	10 (39)	60 (227)	(376)
Clinton	26 (64)	16 (39)	19 (47)	38 (92)	(242)
Coles	8 (18)	27 (60)	45 (102)	20 (46)	(226)
Crawford	41 (107)	21 (56)	2 (5)	36 (96)	(264)
Cumberland	23 (72)	41 (125)	15 (45)	21 (65)	(307)
De Kalb	21 (41)	25 (49)	28 (56)	27 (54)	(200)
De Witt	16 (51)	34 (105)	21 (66)	29 (90)	(312)
Douglas	9 (22)	44 (104)	3 (6)	45 (106)	(238)
Edgar	7 (15)	16 (35)	19 (41)	59 (130)	(221)
Edwards	15 (27)	4 (7)	29 (51)	52 (92)	(177)
Effingham	48 (147)	18 (55)	8 (26)	26 (81)	(309)
Fayette	33 (109)	10 (32)	29 (97)	28 (92)	(330)
Ford	3 (10)	19 (55)	40 (118)	38 (112)	(295)
Franklin	12 (24)	15 (29)	20 (39)	53 (102)	(194)
Fulton	3 (7)	2 (6)	31 (83)	64 (171)	(267)
Gallatin	31 (48)	54 (85)	1 (1)	15 (23)	(157)
Greene	41 (112)	0 (0)	16 (45)	43 (119)	(276)
Grundy	2 (4)	12 (28)	26 (61)	60 (140)	(233)
Hamilton	23 (43)	21 (41)	6 (11)	50 (96)	(191)
Hancock	4 (8)	6 (13)	28 (62)	63 (141)	(224)
Hardin	50 (12)	0 (0)	4 (1)	46 (11)	(24)
Henderson	1 (2)	11 (18)	28 (47)	59 (98)	(165)
Henry	8 (21)	20 (50)	30 (75)	43 (108)	(254)
Iroquois	5 (11)	11 (25)	55 (122)	28 (62)	(220)
Jackson	65 (153)	0 (1)	17 (39)	18 (43)	(236)
Jasper	33 (100)	26 (79)	10 (31)	31 (96)	(306)
Jefferson	24 (52)	11 (24)	6 (12)	60 (130)	(218)
Jersey	11 (20)	15 (27)	17 (32)	57 (106)	(185)
Jo Daviess	5 (5)	10 (10)	36 (36)	48 (48)	(99)
Johnson	11 (7)	8 (5)	0 (0)	81 (51)	(63)
Kane	4 (10)	17 (39)	50 (117)	28 (66)	(232)
Kankakee	5 (11)	11 (23)	38 (80)	46 (98)	(212)
Kendall	23 (44)	19 (35)	12 (23)	46 (87)	(189)
Knox	5 (9)	16 (31)	19 (36)	60 (113)	(189)
La Salle	1 (3)	30 (65)	33 (71)	36 (77)	(216)

Lawrence	6 (14)	16 (40)	24 (62)	54 (138)	(254)
Lee	1 (2)	28 (56)	42 (84)	29 (58)	(200)
Livingston	6 (13)	32 (67)	37 (78)	25 (52)	(210)
Logan	2 (5)	17 (48)	35 (96)	46 (129)	(278)
McDonough	12 (28)	28 (65)	26 (60)	35 (81)	(234)
McHenry	14 (23)	10 (17)	36 (61)	41 (69)	(170)
McLean	5 (11)	14 (30)	52 (116)	29 (64)	(221)
Macon	44 (114)	30 (79)	8 (22)	18 (47)	(262)
Macoupin	9 (21)	27 (61)	21 (47)	43 (98)	(227)
Madison	19 (24)	40 (51)	25 (32)	16 (20)	(127)
Marion	26 (61)	17 (39)	14 (33)	43 (102)	(235)
Marshall	2 (5)	12 (30)	55 (136)	31 (78)	(249)
Mason	0 (0)	19 (47)	31 (76)	49 (120)	(243)
Massac	20 (25)	3 (4)	2 (2)	75 (93)	(124)
Menard	23 (46)	0 (0)	33 (67)	44 (90)	(203)
Mercer	0 (0)	8 (15)	28 (54)	64 (125)	(194)
Monroe	19 (36)	19 (37)	12 (22)	50 (95)	(190)
Montgomery	23 (46)	42 (86)	5 (10)	30 (61)	(203)
Morgan	1 (4)	19 (66)	39 (138)	41 (147)	(355)
Moultrie	22 (54)	33 (82)	28 (70)	17 (41)	(247)
Ogle	7 (13)	19 (37)	44 (86)	30 (58)	(194)
Peoria	3 (6)	13 (28)	34 (75)	51 (114)	(223)
Perry	0 (0)	2 (5)	17 (39)	80 (179)	(223)
Piatt	3 (9)	19 (61)	59 (189)	20 (64)	(323)
Pike	14 (21)	32 (49)	1 (2)	53 (82)	(154)
Pope	29 (26)	12 (11)	0 (0)	58 (52)	(89)
Pulaski	30 (28)	4 (4)	10 (9)	56 (52)	(93)
Putnam	5 (5)	15 (14)	43 (39)	36 (33)	(91)
Randolph	23 (42)	3 (5)	16 (29)	58 (106)	(182)
Richland	18 (44)	5 (13)	14 (35)	63 (159)	(251)
Rock Island	2 (3)	16 (28)	10 (18)	72 (124)	(173)
St. Clair	24 (33)	9 (12)	21 (29)	45 (61)	(135)
Saline	22 (40)	20 (37)	9 (16)	49 (89)	(182)
Sangamon	18 (37)	31 (65)	14 (30)	37 (77)	(209)
Schuyler	4 (10)	4 (12)	51 (143)	41 (117)	(282)
Scott	1 (2)	4 (9)	15 (31)	80 (170)	(212)
Shelby	4 (16)	75 (295)	11 (43)	10 (38)	(392)
Stark	1 (2)	7 (17)	40 (96)	52 (127)	(242)
Stephenson	6 (10)	16 (25)	36 (57)	42 (67)	(159)
Tazewell	8 (14)	15 (27)	29 (52)	48 (87)	(180)
Union	9 (6)	7 (5)	3 (2)	81 (57)	(70)
Vermilion	2 (4)	22 (46)	33 (71)	43 (91)	(212)
Wabash	1 (2)	7 (14)	37 (79)	56 (120)	(215)
Warren	3 (7)	6 (13)	32 (65)	58 (119)	(204)
Washington	5 (15)	14 (42)	26 (74)	55 (159)	(290)
Wayne	32 (56)	5 (9)	7 (12)	56 (97)	(174)
White	17 (36)	6 (12)	5 (10)	72 (151)	(209)
Whiteside	7 (13)	20 (35)	20 (35)	53 (93)	(176)
Will	16 (26)	17 (28)	13 (21)	53 (86)	(161)
Williamson	33 (20)	0 (0)	2 (1)	65 (39)	(60)
Winnebago	9 (26)	20 (56)	37 (107)	34 (97)	(286)
Woodford	4 (9)	6 (13)	43 (93)	46 (99)	(214)

Total %: **14.2 (2966)** **18.9 (3951)** **24.8 (5180)** **42.1 (8800)** **(20897)**

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

REPORT 6

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

County	<u>Tillage System</u>				Total
	<u>Conventional</u>	<u>Reduced-till</u>	<u>Mulch-till</u>	<u>No-till</u>	
Adams	2 (1)	15 (7)	15 (7)	69 (33)	(48)
Alexander	81 (21)	19 (5)	0 (0)	0 (0)	(26)
Bond	49 (23)	2 (1)	0 (0)	49 (23)	(47)
Boone	0 (0)	87 (13)	13 (2)	0 (0)	(15)
Brown	0 (0)	21 (3)	7 (1)	71 (10)	(14)
Bureau	0 (0)	13 (1)	63 (5)	25 (2)	(8)
Calhoun	0 (0)	33 (2)	0 (0)	67 (4)	(6)
Carroll	0 (0)	100 (6)	0 (0)	0 (0)	(6)
Cass	0 (0)	14 (3)	86 (18)	0 (0)	(21)
Champaign	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Christian	0 (0)	50 (1)	0 (0)	50 (1)	(2)
Clark	0 (0)	0 (0)	80 (8)	20 (2)	(10)
Clay	24 (7)	3 (1)	24 (7)	48 (14)	(29)
Clinton	17 (21)	1 (1)	72 (91)	10 (13)	(126)
Coles	0 (0)	60 (3)	20 (1)	20 (1)	(5)
Crawford	63 (10)	38 (6)	0 (0)	0 (0)	(16)
Cumberland	0 (0)	25 (1)	25 (1)	50 (2)	(4)
De Kalb	80 (8)	10 (1)	0 (0)	10 (1)	(10)
De Witt	0 (0)	0 (0)	100 (2)	0 (0)	(2)
Douglas	0 (0)	0 (0)	25 (1)	75 (3)	(4)
Edgar	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Edwards	3 (1)	0 (0)	0 (0)	97 (34)	(35)
Effingham	89 (25)	4 (1)	0 (0)	7 (2)	(28)
Fayette	25 (15)	3 (2)	43 (26)	30 (18)	(61)
Ford	0 (0)	25 (1)	0 (0)	75 (3)	(4)
Franklin	3 (1)	5 (2)	41 (15)	51 (19)	(37)
Fulton	0 (0)	0 (0)	80 (4)	20 (1)	(5)
Gallatin	55 (6)	27 (3)	9 (1)	9 (1)	(11)
Greene	0 (0)	0 (0)	7 (1)	93 (14)	(15)
Grundy	50 (1)	50 (1)	0 (0)	0 (0)	(2)
Hamilton	14 (6)	21 (9)	16 (7)	49 (21)	(43)
Hancock	100 (14)	0 (0)	0 (0)	0 (0)	(14)
Hardin	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henderson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henry	0 (0)	0 (0)	0 (0)	100 (9)	(9)
Iroquois	0 (0)	0 (0)	0 (0)	100 (4)	(4)
Jackson	57 (36)	2 (1)	24 (15)	17 (11)	(63)
Jasper	0 (0)	24 (4)	12 (2)	65 (11)	(17)
Jefferson	10 (5)	2 (1)	6 (3)	81 (39)	(48)
Jersey	24 (5)	0 (0)	0 (0)	76 (16)	(21)
Jo Daviess	0 (0)	100 (17)	0 (0)	0 (0)	(17)
Johnson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Kane	33 (3)	67 (6)	0 (0)	0 (0)	(9)
Kankakee	0 (0)	17 (2)	33 (4)	50 (6)	(12)
Kendall	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Knox	0 (0)	0 (0)	0 (0)	100 (1)	(1)
La Salle	0 (0)	100 (2)	0 (0)	0 (0)	(2)

Lawrence	4 (2)	2 (1)	53 (28)	42 (22)	(53)
Lee	0 (0)	0 (0)	100 (2)	0 (0)	(2)
Livingston	0 (0)	60 (3)	20 (1)	20 (1)	(5)
Logan	0 (0)	0 (0)	0 (0)	0 (0)	(0)
McDonough	50 (1)	0 (0)	50 (1)	0 (0)	(2)
McHenry	100 (7)	0 (0)	0 (0)	0 (0)	(7)
McLean	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Macon	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Macoupin	100 (14)	0 (0)	0 (0)	0 (0)	(14)
Madison	0 (0)	100 (35)	0 (0)	0 (0)	(35)
Marion	73 (30)	12 (5)	5 (2)	10 (4)	(41)
Marshall	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Mason	0 (0)	7 (2)	86 (25)	7 (2)	(29)
Massac	0 (0)	0 (0)	0 (0)	100 (17)	(17)
Menard	25 (1)	0 (0)	50 (2)	25 (1)	(4)
Mercer	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Monroe	100 (2)	0 (0)	0 (0)	0 (0)	(2)
Montgomery	10 (2)	43 (9)	0 (0)	48 (10)	(21)
Morgan	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Moultrie	0 (0)	100 (7)	0 (0)	0 (0)	(7)
Ogle	8 (1)	8 (1)	85 (11)	0 (0)	(13)
Peoria	0 (0)	8 (1)	83 (10)	8 (1)	(12)
Perry	4 (2)	0 (0)	0 (0)	96 (44)	(46)
Piatt	50 (1)	0 (0)	50 (1)	0 (0)	(2)
Pike	0 (0)	20 (3)	0 (0)	80 (12)	(15)
Pope	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Pulaski	31 (4)	62 (8)	0 (0)	8 (1)	(13)
Putnam	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Randolph	12 (17)	30 (43)	29 (42)	30 (43)	(145)
Richland	79 (26)	0 (0)	0 (0)	21 (7)	(33)
Rock Island	10 (1)	10 (1)	70 (7)	10 (1)	(10)
St. Clair	64 (27)	19 (8)	17 (7)	0 (0)	(42)
Saline	8 (1)	17 (2)	17 (2)	58 (7)	(12)
Sangamon	0 (0)	0 (0)	0 (0)	100 (1)	(1)
Schuyler	0 (0)	0 (0)	74 (25)	26 (9)	(34)
Scott	0 (0)	17 (2)	25 (3)	58 (7)	(12)
Shelby	20 (1)	80 (4)	0 (0)	0 (0)	(5)
Stark	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Stephenson	4 (1)	92 (22)	4 (1)	0 (0)	(24)
Tazewell	50 (4)	25 (2)	25 (2)	0 (0)	(8)
Union	0 (0)	0 (0)	17 (1)	83 (5)	(6)
Vermilion	14 (1)	71 (5)	14 (1)	0 (0)	(7)
Wabash	0 (0)	0 (0)	43 (21)	57 (28)	(49)
Warren	0 (0)	0 (0)	40 (2)	60 (3)	(5)
Washington	11 (18)	48 (79)	25 (41)	16 (27)	(165)
Wayne	31 (11)	0 (0)	69 (24)	0 (0)	(35)
White	0 (0)	0 (0)	28 (10)	72 (26)	(36)
Whiteside	100 (2)	0 (0)	0 (0)	0 (0)	(2)
Will	0 (0)	33 (2)	0 (0)	67 (4)	(6)
Williamson	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Winnebago	0 (0)	0 (0)	100 (22)	0 (0)	(22)
Woodford	0 (0)	0 (0)	75 (3)	25 (1)	(4)
Total %:	20.8 (388)	18.9 (352)	27.9 (519)	32.4 (603)	(1862)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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	36 (120)	35 (118)	29 (95)	(333)
Alexander	66 (23)	0 (0)	34 (12)	(35)
Bond	91 (144)	2 (3)	8 (12)	(159)
Boone	87 (217)	3 (7)	10 (25)	(249)
Brown	42 (90)	27 (59)	31 (67)	(216)
Bureau	22 (62)	41 (113)	37 (103)	(278)
Calhoun	31 (18)	44 (26)	25 (15)	(59)
Carroll	14 (46)	37 (125)	49 (166)	(337)
Cass	38 (115)	21 (64)	41 (126)	(305)
Champaign	67 (216)	26 (83)	7 (21)	(320)
Christian	53 (125)	28 (66)	19 (46)	(237)
Clark	65 (148)	29 (65)	6 (13)	(226)
Clay	65 (152)	0 (1)	35 (81)	(234)
Clinton	70 (195)	6 (18)	24 (66)	(279)
Coles	58 (130)	32 (71)	10 (22)	(223)
Crawford	90 (249)	8 (22)	2 (5)	(276)
Cumberland	87 (244)	7 (19)	6 (18)	(281)
De Kalb	73 (183)	13 (33)	14 (36)	(252)
De Witt	85 (238)	2 (5)	13 (36)	(279)
Douglas	85 (224)	10 (26)	5 (13)	(263)
Edgar	36 (85)	27 (63)	36 (85)	(233)
Edwards	47 (81)	0 (0)	53 (92)	(173)
Effingham	91 (213)	3 (8)	5 (12)	(233)
Fayette	82 (217)	4 (10)	14 (38)	(265)
Ford	78 (248)	10 (31)	12 (37)	(316)
Franklin	27 (43)	24 (38)	49 (79)	(160)
Fulton	23 (67)	39 (111)	38 (109)	(287)
Gallatin	86 (194)	10 (23)	4 (8)	(225)
Greene	92 (311)	0 (0)	8 (26)	(337)
Grundy	36 (93)	38 (98)	26 (66)	(257)
Hamilton	45 (69)	10 (15)	45 (69)	(153)
Hancock	34 (88)	16 (42)	49 (126)	(256)
Hardin	45 (5)	0 (0)	55 (6)	(11)
Henderson	2 (5)	41 (95)	57 (134)	(234)
Henry	44 (144)	18 (59)	38 (126)	(329)
Iroquois	69 (148)	14 (30)	17 (36)	(214)
Jackson	62 (76)	13 (16)	25 (30)	(122)
Jasper	79 (207)	3 (9)	17 (45)	(261)
Jefferson	71 (72)	3 (3)	26 (27)	(102)
Jersey	55 (118)	12 (26)	32 (69)	(213)
Jo Daviess	28 (57)	28 (57)	44 (89)	(203)
Johnson	39 (12)	13 (4)	48 (15)	(31)
Kane	43 (113)	42 (111)	15 (39)	(263)
Kankakee	38 (97)	27 (70)	35 (89)	(256)
Kendall	85 (234)	6 (17)	9 (25)	(276)
Knox	46 (85)	23 (43)	30 (55)	(183)

La Salle	46 (91)	43 (87)	11 (22)	(200)
Lawrence	44 (104)	14 (34)	42 (99)	(237)
Lee	53 (168)	22 (69)	26 (82)	(319)
Livingston	52 (118)	40 (89)	8 (18)	(225)
Logan	20 (57)	44 (128)	36 (104)	(289)
McDonough	57 (140)	25 (60)	18 (44)	(244)
McHenry	71 (159)	10 (22)	19 (42)	(223)
McLean	83 (212)	7 (19)	9 (24)	(255)
Macon	81 (234)	16 (47)	3 (9)	(290)
Macoupin	76 (172)	18 (40)	6 (13)	(225)
Madison	74 (96)	19 (24)	7 (9)	(129)
Marion	77 (106)	9 (13)	14 (19)	(138)
Marshall	23 (62)	56 (153)	21 (57)	(272)
Mason	1 (2)	37 (112)	62 (185)	(299)
Massac	27 (33)	5 (6)	69 (85)	(124)
Menard	70 (169)	0 (0)	30 (73)	(242)
Mercer	4 (10)	52 (121)	43 (100)	(231)
Monroe	65 (85)	14 (18)	21 (28)	(131)
Montgomery	80 (175)	15 (34)	5 (11)	(220)
Morgan	49 (192)	31 (121)	21 (82)	(395)
Moultrie	97 (247)	2 (5)	1 (3)	(255)
Ogle	37 (121)	28 (93)	35 (117)	(331)
Peoria	10 (27)	39 (109)	52 (147)	(283)
Perry	0 (0)	8 (13)	92 (148)	(161)
Piatt	42 (123)	40 (118)	18 (52)	(293)
Pike	86 (222)	12 (31)	2 (5)	(258)
Pope	66 (27)	0 (0)	34 (14)	(41)
Pulaski	48 (27)	0 (0)	52 (29)	(56)
Putnam	65 (81)	17 (21)	18 (22)	(124)
Randolph	66 (109)	2 (3)	32 (52)	(164)
Richland	53 (124)	2 (5)	44 (103)	(232)
Rock Island	40 (90)	9 (19)	51 (114)	(223)
St. Clair	72 (110)	10 (15)	18 (27)	(152)
Saline	47 (74)	8 (13)	45 (72)	(159)
Sangamon	64 (169)	17 (44)	20 (52)	(265)
Schuyler	17 (55)	47 (154)	36 (116)	(325)
Scott	33 (73)	36 (79)	32 (70)	(222)
Shelby	55 (221)	44 (178)	1 (5)	(404)
Stark	1 (4)	61 (207)	38 (131)	(342)
Stephenson	33 (113)	25 (85)	42 (143)	(341)
Tazewell	55 (145)	17 (46)	28 (75)	(266)
Union	9 (5)	9 (5)	82 (46)	(56)
Vermilion	43 (94)	38 (83)	20 (43)	(220)
Wabash	3 (6)	27 (61)	71 (162)	(229)
Warren	23 (55)	43 (103)	34 (83)	(241)
Washington	13 (27)	44 (93)	44 (93)	(213)
Wayne	49 (59)	7 (8)	45 (54)	(121)
White	44 (97)	1 (2)	55 (121)	(220)
Whiteside	29 (76)	24 (62)	48 (125)	(263)
Will	79 (137)	9 (15)	12 (21)	(173)
Williamson	21 (11)	17 (9)	62 (33)	(53)
Winnebago	39 (149)	31 (117)	31 (117)	(383)
Woodford	21 (42)	11 (23)	68 (139)	(204)
Total %:	50.6 (11326)22 (4919)		27.4 (6150) (22395)	

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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	7 (20)	16 (48)	77 (233)	(301)
Alexander	46 (32)	9 (6)	46 (32)	(70)
Bond	59 (103)	26 (45)	15 (27)	(175)
Boone	25 (48)	27 (51)	48 (90)	(189)
Brown	10 (19)	21 (39)	69 (127)	(185)
Bureau	4 (9)	13 (29)	82 (178)	(216)
Calhoun	16 (9)	37 (21)	47 (27)	(57)
Carroll	1 (2)	18 (25)	80 (109)	(136)
Cass	4 (10)	14 (32)	82 (188)	(230)
Champaign	13 (35)	42 (114)	45 (123)	(272)
Christian	18 (49)	34 (95)	48 (133)	(277)
Clark	15 (38)	41 (106)	44 (112)	(256)
Clay	29 (110)	0 (0)	71 (266)	(376)
Clinton	26 (64)	16 (39)	57 (139)	(242)
Coles	8 (18)	27 (60)	65 (148)	(226)
Crawford	41 (107)	21 (56)	38 (101)	(264)
Cumberland	24 (74)	40 (123)	36 (110)	(307)
De Kalb	21 (42)	17 (33)	62 (125)	(200)
De Witt	16 (51)	33 (104)	50 (157)	(312)
Douglas	9 (22)	41 (97)	50 (119)	(238)
Edgar	7 (15)	16 (35)	77 (171)	(221)
Edwards	16 (29)	3 (5)	81 (143)	(177)
Effingham	47 (144)	15 (45)	39 (120)	(309)
Fayette	33 (109)	10 (32)	57 (189)	(330)
Ford	3 (10)	19 (55)	78 (230)	(295)
Franklin	13 (26)	14 (27)	73 (142)	(195)
Fulton	3 (7)	2 (6)	95 (254)	(267)
Gallatin	32 (50)	52 (82)	16 (25)	(157)
Greene	41 (112)	1 (3)	58 (161)	(276)
Grundy	2 (4)	12 (28)	86 (201)	(233)
Hamilton	23 (43)	22 (42)	55 (106)	(191)
Hancock	4 (8)	6 (13)	91 (203)	(224)
Hardin	50 (12)	0 (0)	50 (12)	(24)
Henderson	1 (2)	11 (18)	88 (145)	(165)
Henry	8 (21)	19 (47)	73 (186)	(254)
Iroquois	5 (11)	11 (25)	84 (184)	(220)
Jackson	66 (156)	9 (22)	25 (59)	(237)
Jasper	33 (100)	26 (79)	42 (127)	(306)
Jefferson	24 (53)	11 (23)	65 (142)	(218)
Jersey	13 (24)	12 (23)	75 (138)	(185)
Jo Daviess	5 (5)	11 (11)	84 (83)	(99)
Johnson	11 (7)	8 (5)	81 (51)	(63)
Kane	4 (10)	17 (39)	79 (182)	(231)
Kankakee	5 (11)	9 (20)	85 (181)	(212)
Kendall	23 (44)	18 (34)	59 (111)	(189)
Knox	5 (10)	16 (30)	79 (149)	(189)
La Salle	1 (3)	30 (65)	69 (148)	(216)

Lawrence	6 (15)	16 (40)	78 (200)	(255)
Lee	11 (22)	18 (35)	71 (143)	(200)
Livingston	6 (13)	32 (67)	62 (130)	(210)
Logan	2 (5)	17 (48)	81 (225)	(278)
McDonough	12 (29)	27 (64)	60 (141)	(234)
McHenry	14 (23)	10 (17)	76 (130)	(170)
McLean	5 (11)	12 (26)	83 (184)	(221)
Macon	44 (114)	30 (78)	27 (70)	(262)
Macoupin	9 (21)	22 (49)	69 (157)	(227)
Madison	19 (24)	40 (51)	41 (52)	(127)
Marion	26 (62)	16 (38)	57 (135)	(235)
Marshall	2 (5)	12 (29)	86 (215)	(249)
Mason	0 (0)	19 (46)	81 (197)	(243)
Massac	20 (25)	3 (4)	77 (95)	(124)
Menard	23 (46)	0 (0)	77 (157)	(203)
Mercer	0 (0)	8 (15)	92 (179)	(194)
Monroe	19 (36)	20 (37)	61 (116)	(189)
Montgomery	23 (47)	40 (82)	36 (74)	(203)
Morgan	1 (4)	19 (66)	80 (285)	(355)
Moultrie	22 (54)	33 (81)	45 (112)	(247)
Ogle	7 (13)	19 (37)	74 (144)	(194)
Peoria	3 (6)	10 (23)	87 (194)	(223)
Perry	0 (0)	3 (6)	97 (217)	(223)
Piatt	3 (9)	19 (61)	78 (253)	(323)
Pike	14 (21)	32 (49)	55 (84)	(154)
Pope	29 (26)	8 (7)	63 (56)	(89)
Pulaski	30 (28)	4 (4)	66 (61)	(93)
Putnam	5 (5)	16 (15)	78 (71)	(91)
Randolph	23 (42)	3 (5)	74 (135)	(182)
Richland	18 (44)	5 (13)	77 (194)	(251)
Rock Island	6 (11)	12 (20)	82 (142)	(173)
St. Clair	24 (33)	9 (12)	67 (90)	(135)
Saline	22 (40)	20 (37)	58 (105)	(182)
Sangamon	18 (37)	31 (65)	51 (107)	(209)
Schuyler	4 (10)	4 (12)	92 (260)	(282)
Scott	1 (2)	4 (9)	95 (201)	(212)
Shelby	4 (17)	57 (225)	38 (150)	(392)
Stark	1 (2)	7 (17)	92 (223)	(242)
Stephenson	7 (11)	14 (23)	79 (125)	(159)
Tazewell	8 (14)	15 (27)	77 (139)	(180)
Union	9 (6)	7 (5)	84 (59)	(70)
Vermilion	3 (7)	20 (42)	77 (163)	(212)
Wabash	1 (2)	7 (14)	93 (199)	(215)
Warren	3 (7)	6 (13)	90 (184)	(204)
Washington	5 (15)	14 (41)	81 (234)	(290)
Wayne	32 (56)	5 (9)	63 (109)	(174)
White	19 (39)	4 (9)	77 (161)	(209)
Whiteside	7 (13)	20 (35)	73 (128)	(176)
Will	17 (28)	16 (25)	67 (108)	(161)
Williamson	33 (20)	0 (0)	67 (40)	(60)
Winnebago	9 (26)	20 (56)	71 (204)	(286)
Woodford	4 (9)	7 (14)	89 (191)	(214)
Total %:	14.6 (3043)	17.9 (3740)	67.5 (14115)	(20898)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

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>	<u>N/A</u>	
Adams	2 (1)	15 (7)	83 (40)	0 (0)	(48)
Alexander	81 (21)	19 (5)	0 (0)	0 (0)	(26)
Bond	49 (23)	2 (1)	49 (23)	0 (0)	(47)
Boone	0 (0)	87 (13)	13 (2)	0 (0)	(15)
Brown	0 (0)	21 (3)	79 (11)	0 (0)	(14)
Bureau	0 (0)	13 (1)	88 (7)	0 (0)	(8)
Calhoun	0 (0)	33 (2)	67 (4)	0 (0)	(6)
Carroll	0 (0)	100 (6)	0 (0)	0 (0)	(6)
Cass	0 (0)	10 (2)	90 (19)	0 (0)	(21)
Champaign	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Christian	0 (0)	0 (0)	50 (1)	50 (1)	(2)
Clark	0 (0)	0 (0)	100 (10)	0 (0)	(10)
Clay	24 (7)	3 (1)	72 (21)	0 (0)	(29)
Clinton	17 (21)	1 (1)	83 (104)	0 (0)	(126)
Coles	0 (0)	60 (3)	40 (2)	0 (0)	(5)
Crawford	63 (10)	38 (6)	0 (0)	0 (0)	(16)
Cumberland	0 (0)	25 (1)	75 (3)	0 (0)	(4)
De Kalb	80 (8)	10 (1)	10 (1)	0 (0)	(10)
De Witt	0 (0)	0 (0)	0 (0)	100 (2)	(2)
Douglas	0 (0)	0 (0)	100 (4)	0 (0)	(4)
Edgar	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Edwards	3 (1)	0 (0)	97 (34)	0 (0)	(35)
Effingham	89 (25)	0 (0)	11 (3)	0 (0)	(28)
Fayette	25 (15)	3 (2)	72 (44)	0 (0)	(61)
Ford	0 (0)	25 (1)	75 (3)	0 (0)	(4)
Franklin	3 (1)	5 (2)	92 (34)	0 (0)	(37)
Fulton	0 (0)	0 (0)	100 (5)	0 (0)	(5)
Gallatin	55 (6)	18 (2)	27 (3)	0 (0)	(11)
Greene	0 (0)	0 (0)	100 (15)	0 (0)	(15)
Grundy	50 (1)	50 (1)	0 (0)	0 (0)	(2)
Hamilton	14 (6)	9 (4)	77 (33)	0 (0)	(43)
Hancock	100 (14)	0 (0)	0 (0)	0 (0)	(14)
Hardin	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henderson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Henry	0 (0)	0 (0)	56 (5)	44 (4)	(9)
Iroquois	0 (0)	0 (0)	100 (4)	0 (0)	(4)
Jackson	59 (37)	16 (10)	25 (16)	0 (0)	(63)
Jasper	0 (0)	24 (4)	76 (13)	0 (0)	(17)
Jefferson	10 (5)	0 (0)	90 (43)	0 (0)	(48)
Jersey	24 (5)	0 (0)	76 (16)	0 (0)	(21)
Jo Daviess	0 (0)	100 (17)	0 (0)	0 (0)	(17)
Johnson	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Kane	33 (3)	67 (6)	0 (0)	0 (0)	(9)
Kankakee	0 (0)	17 (2)	83 (10)	0 (0)	(12)
Kendall	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Knox	0 (0)	0 (0)	100 (1)	0 (0)	(1)
La Salle	0 (0)	100 (2)	0 (0)	0 (0)	(2)

Lawrence	4 (2)	2 (1)	94 (50)	0 (0)	(53)
Lee	0 (0)	0 (0)	100 (2)	0 (0)	(2)
Livingston	0 (0)	60 (3)	40 (2)	0 (0)	(5)
Logan	0 (0)	0 (0)	0 (0)	0 (0)	(0)
McDonough	50 (1)	0 (0)	50 (1)	0 (0)	(2)
McHenry	100 (7)	0 (0)	0 (0)	0 (0)	(7)
McLean	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Macon	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Macoupin	100 (14)	0 (0)	0 (0)	0 (0)	(14)
Madison	0 (0)	6 (2)	0 (0)	94 (33)	(35)
Marion	73 (30)	12 (5)	15 (6)	0 (0)	(41)
Marshall	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Mason	0 (0)	7 (2)	93 (27)	0 (0)	(29)
Massac	0 (0)	0 (0)	100 (17)	0 (0)	(17)
Menard	25 (1)	0 (0)	75 (3)	0 (0)	(4)
Mercer	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Monroe	100 (2)	0 (0)	0 (0)	0 (0)	(2)
Montgomery	10 (2)	24 (5)	67 (14)	0 (0)	(21)
Morgan	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Moultrie	0 (0)	0 (0)	0 (0)	100 (7)	(7)
Ogle	8 (1)	8 (1)	85 (11)	0 (0)	(13)
Peoria	0 (0)	8 (1)	92 (11)	0 (0)	(12)
Perry	4 (2)	0 (0)	96 (44)	0 (0)	(46)
Piatt	50 (1)	0 (0)	50 (1)	0 (0)	(2)
Pike	0 (0)	27 (4)	73 (11)	0 (0)	(15)
Pope	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Pulaski	31 (4)	62 (8)	8 (1)	0 (0)	(13)
Putnam	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Randolph	12 (17)	30 (43)	59 (85)	0 (0)	(145)
Richland	79 (26)	0 (0)	21 (7)	0 (0)	(33)
Rock Island	10 (1)	10 (1)	80 (8)	0 (0)	(10)
St. Clair	64 (27)	19 (8)	17 (7)	0 (0)	(42)
Saline	8 (1)	17 (2)	75 (9)	0 (0)	(12)
Sangamon	0 (0)	0 (0)	100 (1)	0 (0)	(1)
Schuyler	0 (0)	0 (0)	100 (34)	0 (0)	(34)
Scott	0 (0)	17 (2)	83 (10)	0 (0)	(12)
Shelby	20 (1)	80 (4)	0 (0)	0 (0)	(5)
Stark	0 (0)	0 (0)	0 (0)	0 (0)	(0)
Stephenson	4 (1)	92 (22)	4 (1)	0 (0)	(24)
Tazewell	50 (4)	25 (2)	12 (1)	13 (1)	(8)
Union	0 (0)	0 (0)	100 (6)	0 (0)	(6)
Vermilion	14 (1)	71 (5)	14 (1)	0 (0)	(7)
Wabash	0 (0)	0 (0)	100 (49)	0 (0)	(49)
Warren	0 (0)	0 (0)	100 (5)	0 (0)	(5)
Washington	11 (18)	46 (77)	43 (71)	0 (0)	(166)
Wayne	31 (11)	0 (0)	69 (24)	0 (0)	(35)
White	0 (0)	0 (0)	100 (36)	0 (0)	(36)
Whiteside	100 (2)	0 (0)	0 (0)	0 (0)	(2)
Will	0 (0)	33 (2)	67 (4)	0 (0)	(6)
Williamson	100 (1)	0 (0)	0 (0)	0 (0)	(1)
Winnebago	0 (0)	0 (0)	100 (22)	0 (0)	(22)
Woodford	0 (0)	0 (0)	100 (4)	0 (0)	(4)
Total %:	20.9 (389)	16.4 (306)	60.1 (1119)	2.6 (48)	(1862)

Project: **Illinois T by 2000 Cropland Soil Loss Transects**
 Transects: 99
 State: Illinois
 Year: 2001
 Counties: 99

REPORT 10

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

Ephemeral Erosion

<u>County</u>	<u>Yes</u>	<u>No</u>	<u>Unknown</u>	<u>Total</u>
Adams	18 (131)	82 (609)	0 (0)	(740)
Alexander	1 (2)	99 (141)	0 (0)	(143)
Bond	4 (18)	96 (426)	0 (0)	(444)
Boone	10 (51)	90 (457)	0 (0)	(508)
Brown	61 (315)	39 (204)	0 (0)	(519)
Bureau	12 (63)	88 (455)	0 (0)	(518)
Calhoun	13 (32)	87 (218)	0 (0)	(250)
Carroll	12 (69)	88 (497)	0 (0)	(566)
Cass	7 (358)	43 (274)	0 (0)	(632)
Champaign	6 (34)	94 (573)	0 (0)	(607)
Christian	3 (15)	97 (527)	0 (0)	(542)
Clark	19 (96)	81 (405)	0 (0)	(501)
Clay	10 (74)	90 (631)	0 (0)	(705)
Clinton	3 (24)	96 (685)	0 (1)	(710)
Coles	13 (62)	87 (403)	0 (0)	(465)
Crawford	22 (134)	78 (478)	0 (0)	(612)
Cumberland	10 (67)	90 (574)	0 (0)	(641)
De Kalb	14 (66)	86 (415)	0 (0)	(481)
De Witt	6 (36)	94 (569)	0 (0)	(605)
Douglas	3 (14)	97 (497)	0 (2)	(513)
Edgar	12 (56)	8 (423)	0 (0)	(479)
Edwards	30 (135)	70 (314)	0 (0)	(449)
Effingham	24 (147)	76 (471)	0 (1)	(619)
Fayette	18 (135)	82 (601)	0 (0)	(736)
Ford	5 (33)	95 (603)	0 (2)	(638)
Franklin	1 (3)	97 (500)	3 (13)	(516)
Fulton	45 (273)	55 (339)	0 (0)	(612)
Gallatin	64 (261)	36 (148)	0 (0)	(409)
Greene	40 (271)	60 (413)	0 (0)	(684)
Grundy	12 (59)	88 (448)	0 (0)	(507)
Hamilton	21 (107)	79 (402)	0 (0)	(509)
Hancock	44 (232)	56 (297)	0 (0)	(529)
Hardin	66 (82)	34 (42)	0 (0)	(124)
Henderson	57 (262)	43 (199)	0 (0)	(461)
Henry	11 (67)	89 (559)	0 (0)	(626)
Iroquois	14 (62)	86 (382)	0 (0)	(444)
Jackson	56 (336)	43 (258)	1 (4)	(598)
Jasper	9 (55)	91 (564)	0 (0)	(619)
Jefferson	29 (143)	71 (347)	0 (0)	(490)
Jersey	13 (61)	87 (395)	0 (0)	(456)
Jo Daviess	43 (201)	57 (270)	0 (0)	(471)
Johnson	6 (11)	94 (184)	0 (0)	(195)
Kane	4 (20)	96 (531)	0 (0)	(551)
Kankakee	0 (2)	99 (499)	0 (1)	(502)
Kendall	2 (12)	96 (474)	1 (6)	(492)
Knox	42 (168)	58 (234)	0 (0)	(402)
La Salle	19 (82)	81 (344)	0 (0)	(426)

Lawrence	39 (226)	61 (356)	0 (0)	(582)
Lee	3 (17)	97 (524)	0 (1)	(542)
Livingston	6 (27)	94 (425)	0 (0)	(452)
Logan	11 (66)	89 (517)	0 (0)	(583)
McDonough	28 (142)	72 (359)	0 (0)	(501)
McHenry	15 (68)	85 (392)	0 (0)	(460)
McLean	44 (217)	56 (275)	0 (0)	(492)
Macon	12 (70)	88 (494)	0 (0)	(564)
Macoupin	11 (56)	89 (451)	0 (0)	(507)
Madison	22 (68)	78 (246)	1 (2)	(316)
Marion	53 (281)	46 (245)	0 (1)	(527)
Marshall	43 (235)	57 (306)	0 (0)	(541)
Mason	1 (9)	98 (642)	0 (2)	(653)
Massac	1 (5)	99 (341)	0 (0)	(346)
Menard	43 (200)	57 (267)	0 (0)	(467)
Mercer	53 (246)	47 (217)	0 (0)	(463)
Monroe	43 (157)	56 (203)	1 (4)	(364)
Montgomery	45 (208)	55 (253)	1 (3)	(464)
Morgan	25 (200)	75 (593)	0 (0)	(793)
Moultrie	25 (130)	75 (398)	0 (0)	(528)
Ogle	58 (350)	42 (252)	0 (0)	(602)
Peoria	64 (373)	36 (212)	0 (1)	(586)
Perry	1 (3)	99 (484)	0 (0)	(487)
Piatt	5 (30)	95 (594)	0 (0)	(624)
Pike	21 (111)	79 (409)	0 (0)	(520)
Pope	60 (209)	40 (141)	0 (0)	(350)
Pulaski	5 (10)	95 (195)	0 (0)	(205)
Putnam	32 (73)	68 (154)	0 (0)	(227)
Randolph	3 (16)	97 (537)	0 (2)	(555)
Richland	18 (100)	82 (451)	0 (0)	(551)
Rock Island	50 (238)	50 (240)	0 (0)	(478)
St. Clair	54 (185)	45 (155)	0 (1)	(341)
Saline	39 (179)	61 (282)	0 (0)	(461)
Sangamon	29 (148)	71 (363)	0 (0)	(511)
Schuyler	40 (314)	60 (469)	0 (1)	(784)
Scott	12 (54)	88 (405)	0 (0)	(459)
Shelby	20 (175)	80 (681)	0 (0)	(856)
Stark	53 (315)	47 (281)	0 (0)	(596)
Stephenson	14 (90)	86 (548)	0 (2)	(640)
Tazewell	14 (68)	86 (432)	0 (0)	(500)
Union	3 (15)	96 (459)	0 (2)	(476)
Vermilion	17 (80)	83 (378)	0 (0)	(458)
Wabash	36 (185)	64 (330)	0 (0)	(515)
Warren	32 (148)	68 (316)	0 (1)	(465)
Washington	10 (72)	90 (646)	0 (3)	(721)
Wayne	18 (83)	82 (378)	0 (1)	(462)
White	45 (220)	55 (272)	0 (1)	(493)
Whiteside	45 (216)	55 (260)	0 (0)	(476)
Will	12 (44)	88 (318)	0 (0)	(362)
Williamson	23 (52)	77 (178)	0 (0)	(230)
Winnebago	26 (201)	74 (577)	0 (0)	(778)
Woodford	3 (14)	97 (440)	0 (0)	(454)
Total %:	23.6 (11936)	76.3 (38620)	.1 (58)	(50614)