Project: Indiana Cropland Transect Survey
Year: 2011
County: LA PORTE

Percent and Number of LA PORTE County fields with indicated Tillage system for each Present crop.

Present crop	No Till		Strip Till		Ridge Till		Mulch Till		Reduced Till		Conven-tional Tillage		Tillage Unknown or N/A		Cover Crops		Ephem-eral Erosion		Rain / Flood Damaged	
	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts
Corn	12%	25	0%	0	0%	0	34%	70	34%	70	19%	38	0%	0	0%	1	1%	2	0%	0
Soybeans	41%	74	0%	0	0%	0	40%	72	15%	27	3%	6	0%	0	1%	2	0%	0	0%	0
Small grains	0%	0	0%	0	0%	0	3%	1	13%	4	0%	0	83%	25	0%	0	0%	0	0%	0
Hay/Pasture	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	100%	18	0%	0	0%	0	0%	0
Fallow	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	100%	15	0%	0	0%	0	0%	0
Specialty Crops	0%	0	0%	0	0%	0	8%	3	32%	12	59%	22	0%	0	0%	0	5%	2	0%	0
CRP and similar	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	100%	3	0%	0	0%	0	0%	0
TOTALS	20%	99	0%	0	0%	0	30%	146	23%	113	14%	66	13%	61	1%	3	1%	4	0%	0

LA PORTE County's Tillage on Cropland - Impacts on Sheet/Rill EROSION in 2011:

If each Corn or Soybean site on the 2011 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated average of ***2.2*** tons of soil/acre/yr would be lost

LA PORTE County's Conventionally-Tilled Corn will lose an average of **2.9** tons of soil/acre/yr in 2011

LA PORTE County's Conventionally-Tilled Beans will lose an average of **1.2** tons of soil/acre/yr in 2011

REDUCE-TILLED = an estimated average of ***1.5*** tons of soil/acre/yr would be lost

LA PORTE County's Reduce-Tilled Corn will lose an average of **1.7** tons of soil/acre/yr in 2011

LA PORTE County's Reduce-Tilled Beans will lose an average of **1.0** tons of soil/acre/yr in 2011

MULCH TILLED = an estimated average of ***1.3*** tons of soil/acre/yr would be lost

LA PORTE County's Mulch-Tilled Corn will lose an average of **0.6** tons of soil/acre/yr in 2011

LA PORTE County's Mulch-Tilled Beans will lose an average of **0.8** tons of soil/acre/yr in 2011

NO-TILLED/STRIP/RIDGE TILLED = an estimated average of ***0.4*** tons of soil/acre/yr would be lost

LA PORTE County's No-Tilled Corn will lose an average of **0.7** tons of soil/acre/yr in 2011

LA PORTE County's No-Tilled Beans will lose an average of **0.5** tons of soil/acre/yr in 2011

As a result of the actual TILLAGE practices on LA PORTE County's Corn and Soybean acres, an estimated: ***1.3*** **tons of soil/acre/yr are SAVED!**

LA PORTE County's cropland planted to small grains will lose an average of **0.5** tons of soil/acre/yr in 2011

LA PORTE County's fallow lands will lose an average of **0.2** tons of soil/acre/yr in 2011

LA PORTE County's CRP and pastureland will lose an average of **0.1** tons of soil/acre/yr in 2011

As a result of the actual CONSERVATION PLANTINGS in LA PORTE County, an estimated: ***3.7*** **tons of soil/acre/yr are SAVED!**

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimators - Tillage

Estimated Acres of LA PORTE County Corn and Soybeans with indicated Tillage system for each Present crop (based on 2009 NASS data)

Present crop	No Till + Strip + Ridge acres	Mulch Till acres	Reduced Till acres	Conven-tional Tillage acres	Cover Crops acres	Rain / Flood Damaged acres
Corn	13,000	36,700	36,700	20,500	0	0
Soybeans	33,700	32,800	12,300	2,500	1,100	0
TOTALS	46,700	69,500	49,000	23,000	1,100	0

LA PORTE County's Tillage on Cropland - Impacts on Sheet/Rill EROSION in 2011:

If each Corn or Soybean site on the 2011 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated ***414,000*** tons of soil would be lost from sheet/rill

As a result of the actual tillage practices on LA PORTE County's Corn and Soybean acres,

an estimated: ***241,400*** **tons of soil in 2011 are SAVED!**

LA PORTE County's Tillage on Cropland - Impacts on DIESEL FUEL USED in 2011:

If each Corn or Soybean site on the 2011 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated ***937,200*** gallons of diesel fuel would be used

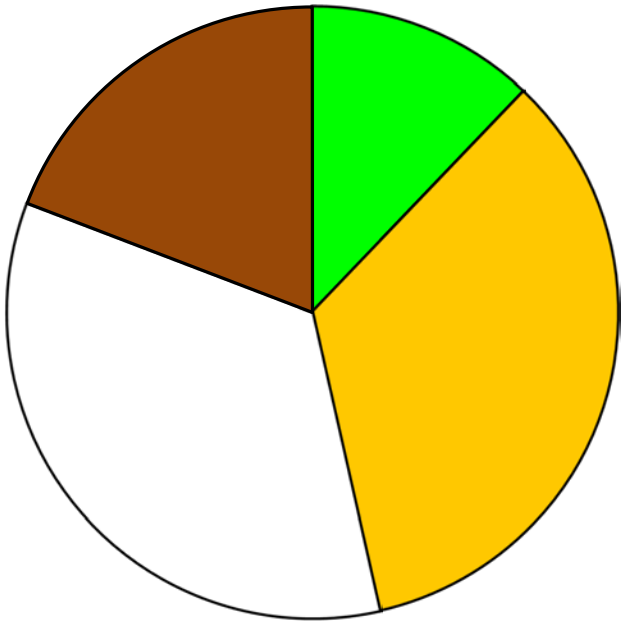
As a result of the actual tillage practices on LA PORTE County's Corn and Soybean acres,

an estimated: ***190,600*** **gallons of diesel fuel in 2011 are SAVED!**

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimators - Tillage

LA PORTE

2011 Cropland Tillage Data - Corn



- No-Till * (12%) = 13000 ac
- Mulch Till (34%) = 36700 ac
- Reduced Till (34%) = 36700 ac
- Conventional (19%) = 20500 ac

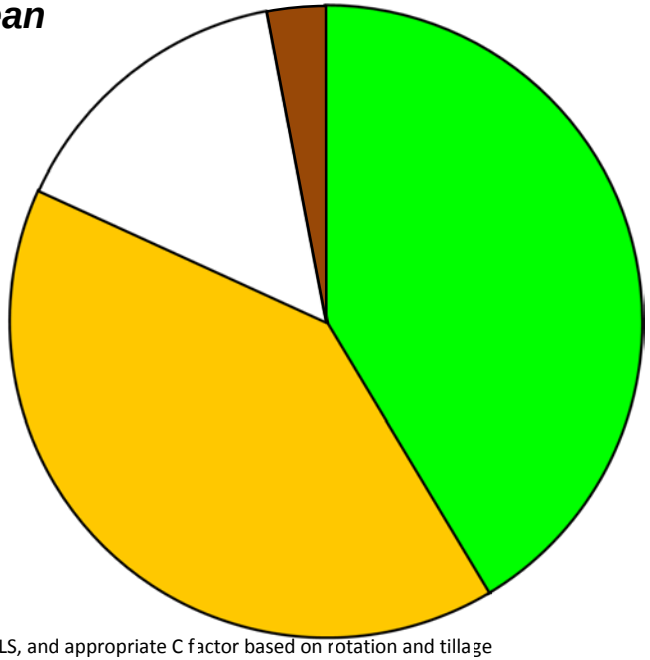
*** No-Till - Any direct seeding system, including site preparation, with minimal soil disturbance (includes strip & ridge till)**

Mulch Till - Any tillage system leaving 30% - 75% residue cover after planting, excluding no-till

Reduced - Any tillage system leaving 16% - 30% residue cover after planting

Conventional - Any tillage system leaving less than 15% residue cover after planting

2011 Cropland Tillage Data - Soybean



- No-Till * (41%) = 33700 ac
- Mulch Till (40%) = 32800 ac
- Reduced Till (15%) = 12300 ac
- Conventional (3%) = 2500 ac

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimator's - Tillage