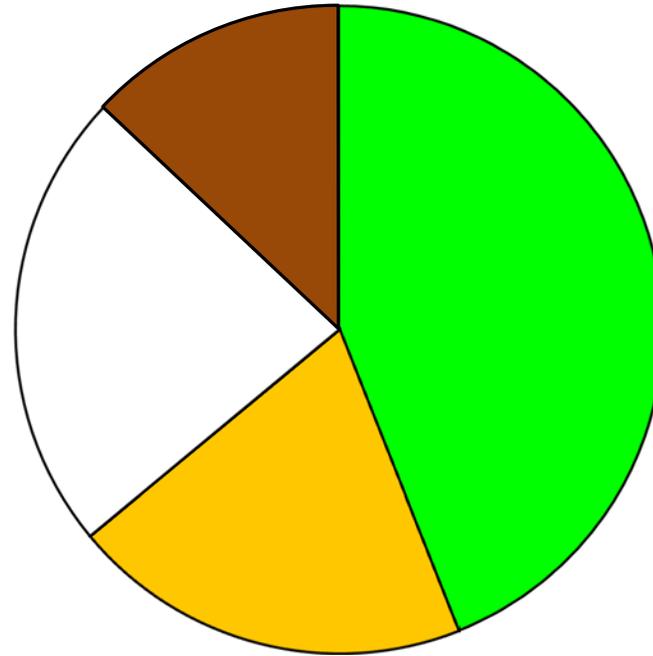


NOBLE

2013 Cropland Tillage Data - Corn



- No-Till * (44%) = 29900 ac
- Mulch Till (20%) = 13600 ac
- Reduced Till (23%) = 15600 ac
- Conventional (13%) = 8800 ac

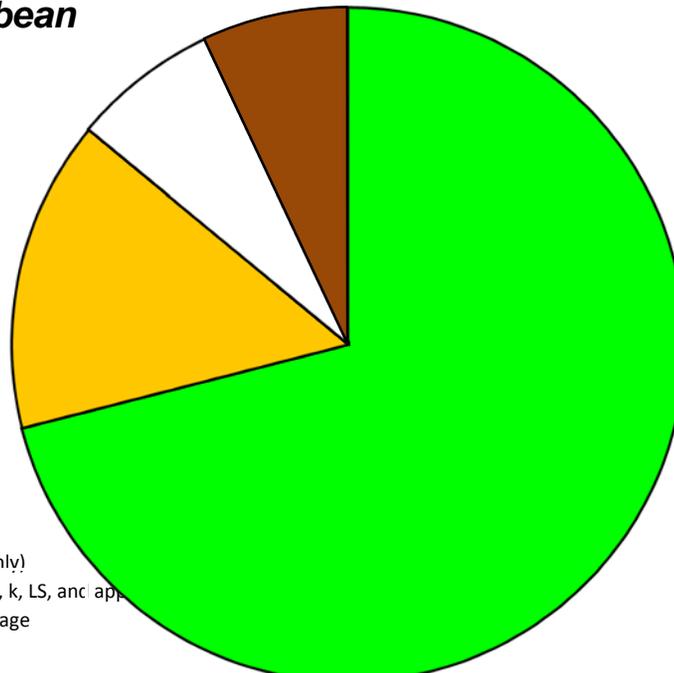
* **No-Till** - Any direct seeding system, including site preparation, with minimal soil disturbance (includes strip & ridge till)

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

2013 Cropland Tillage Data - Soybean



- No-Till * (71%) = 38600 ac
- Mulch Till (15%) = 8200 ac
- Reduced Till (7%) = 3800 ac
- Conventional (7%) = 3800 ac

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



- 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