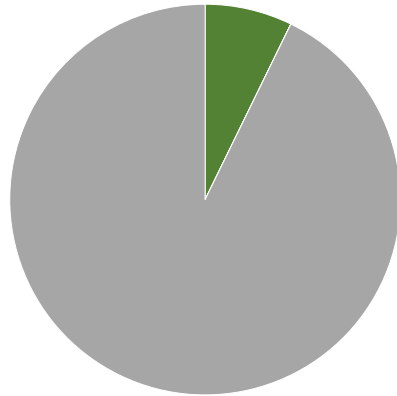
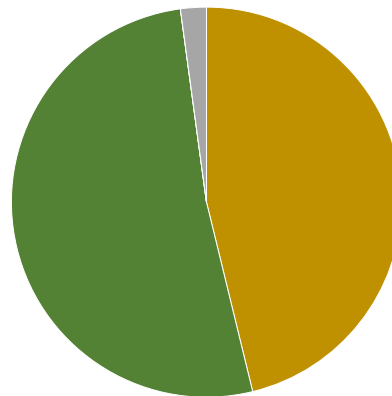


NOBLE 2018 Fall Cover Crop and Tillage Transect

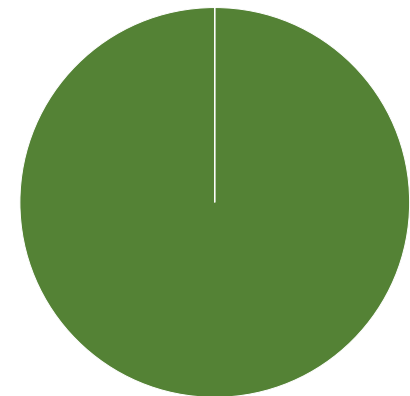
Living Cover Acres



Not Tilled Acres



Tillage Systems



■ Corn ■ Soybeans ■ Small Grains ■ Specialty Crops ■ Other Systems
 ■ Corn ■ Soybeans ■ Small Grains ■ Specialty Crops ■ Other Systems
 ■ Not Tilled ■ Conservation Till ■ Conventional Till

Crop	NASS CropScape Acres	Living Cover Percentage	Living Cover Acres	Not Tilled	Not Tilled Acres	Conservation Till	Conservation Till Acres	Conventional Till	Conventional Till Acres
Corn	61,125	0%	-	100%	61,125	0%	-	0%	-
Soybeans	68,383	14%	9,574	100%	68,383	0%	-	0%	-
Small Grains	2,816	0%	-	0%	-	0%	-	0%	-
Specialty Crops	10.2	0%	-	0%	-	0%	-	0%	-
Total	132,335	7%	9,574	98%	129,508	0%	-	0%	-

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

*Conservation Till - Any tillage system leaving 16% - 75% residue cover after planting, excluding no-till (includes mulch and reduced tillage).

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

*Living Cover includes living cover crops and cereal grains planted into cash crops using direct seeding or broadcast methods.

*Data is limited to what is reported to ISDA by the individuals conducting windshield surveys and recording data