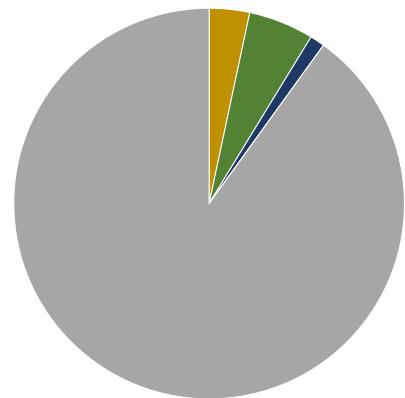
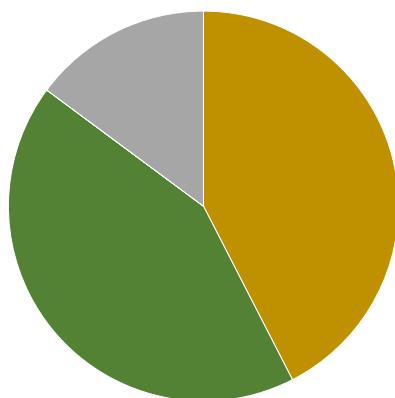


NOBLE
2019 Fall Cover Crop and Tillage Transect

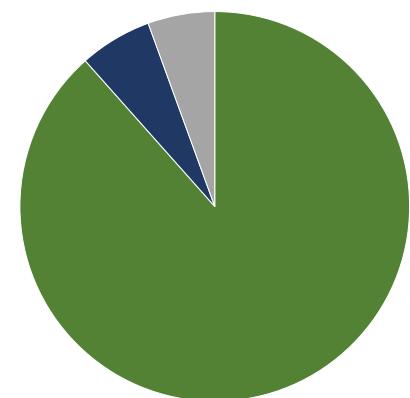
Living Cover Acres



Not Tilled Acres



Tillage Systems



Corn

Small Grains

Soybeans

Specialty Crops

Corn

Specialty Crops

Soybeans

Other Systems

Small Grains

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	62,082	7%	4,346	89%	55,253	7%	4,346	4%	2,483
Soybeans	63,861	11%	7,025	87%	55,559	5%	3,193	7%	4,470
Small Grains	4,191	38%	1,593	0%	-	0%	-	0%	-
Specialty Crops	1.8	0%	-	100%	1.8	0%	-	0%	-
Total	130,136	10%	12,963	85%	110,814	6%	7,539	5%	6,954

*Not Tilled - 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