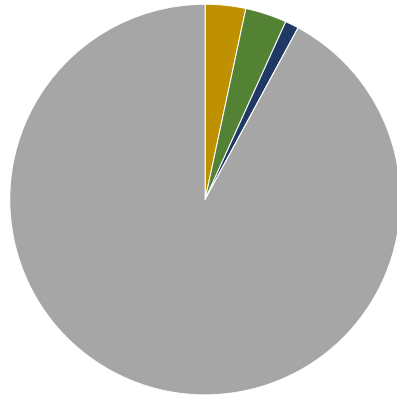


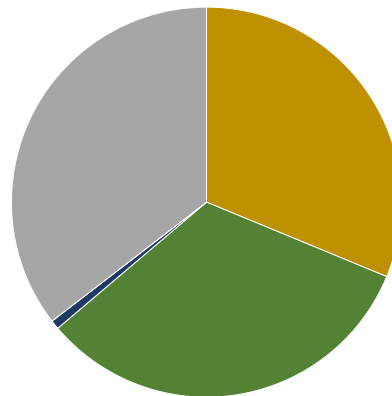
MARSHALL
2019 Fall Cover Crop and Tillage Transect

Living Cover Acres



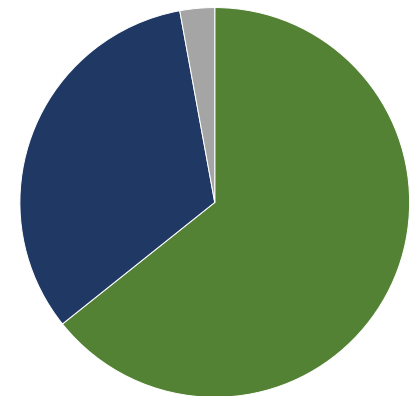
■ Corn
■ Soybeans
■ Small Grains
■ Specialty Crops

Not Tilled Acres



■ Corn
■ Soybeans
■ Small Grains
■ Specialty Crops
■ Other Systems

Tillage 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	91,468	6%	5,488	56%	51,222	43%	39,331	1%	915
Soybeans	70,268	8%	5,621	76%	53,404	21%	14,756	4%	2,811
Small Grains	1,844	100%	1,844	67%	1,236	0%	-	33%	609
Specialty Crops	401.4	0%	-	0%	-	0%	-	100%	401.4
Total	163,982	8%	12,954	65%	105,861	33%	54,087	3%	4,735

*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