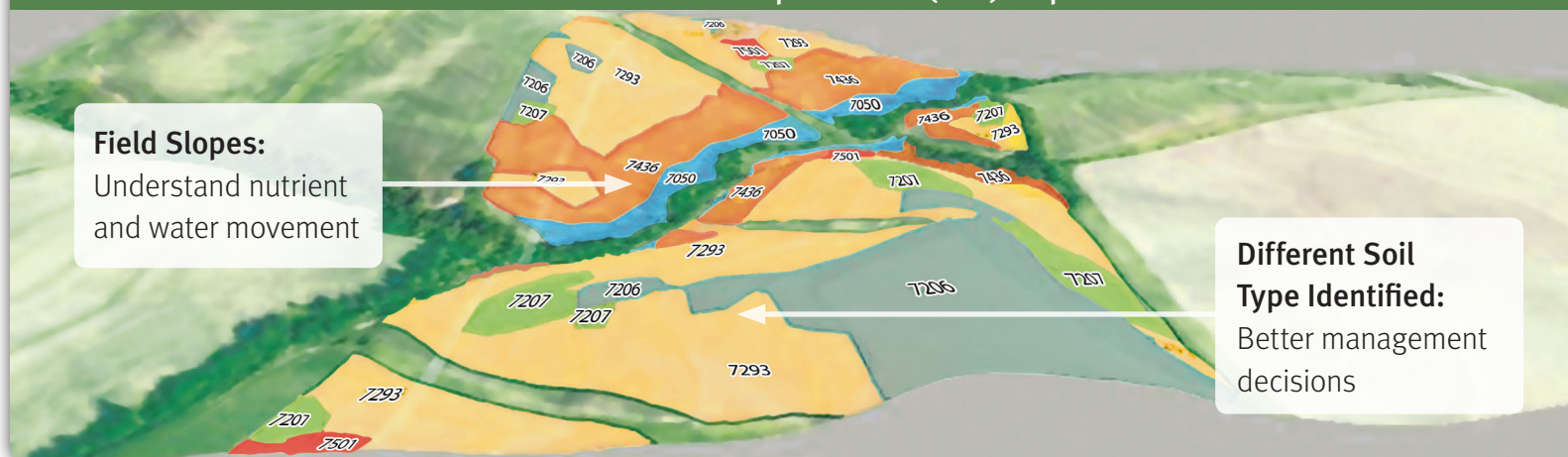


Field map comparison of soil types and area using ERU v. SSURGO data – Brown County, KS

Environmental Response Unit (ERU) Map



Soil Symbol	Soil Description	SSURGO Acres	ERU Acres
7207	Aksarben silty clay loam, 6 to 11 percent slopes	19.6	4.7
7206	Aksarben silty clay loam, 2 to 6 percent slopes	4.0	8.8
7436	Morrill loam, 7 to 12 percent slopes, eroded	37.1	16.7
7293	Marshall silty clay loam, 5 to 9 percent slopes	0	31.6
7501	Pawnee clay loam, 4 to 8 percent slopes	0	0.7
7050	Kennebec silt loam, occasionally flooded	6.1	4.4

SSURGO Map



According to DuPont Pioneer project collaborators **University of Missouri and USDA-ARS**, the use of Environmental Response Units (ERUs) significantly improves the base for developing crop management prescriptions. ERUs retain important SSURGO data such as soil depth, texture, organic matter, and water holding capacity, but add high resolution topographical attributes which further predict how crop yields will respond to inputs. ERUs are used exclusively by DuPont Pioneer in its EncircaSM Yield input management services.

Source: Natural Resources Conservation Service (NRCS) Soil Survey Geographic Database (SSURGO)