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## ABSTRACT

The purpose of this study was to create a set of custom land use/land cover (LULC) raster data sets and compare the predictive ability of these data sets to the United States Department of Agriculture National Agriculture Statistics Service (USDA-NASS) LULC raster data sets. The classified, analogous data sets represent land use in the following five Illinois counties: Adams, Clark, Clinton, Ford, and Hamilton.