The National Commodity Crop Productivity Index (NCCPI) is a model that uses inherent soil properties, landscape features and climatic characteristics to assign ratings for dry-land commodity crops such as wheat, cotton, sorghum, corn, soybeans and barley. The indices generated by the NCCPI model are used for USDA national conservation and Farm Bill programs, applications within other Federal agencies and decision making by others involved in agriculture infrastructure, and NCCPI ratings are not intended to replace state crop performance indices. The model arrays map unit components from 0.01 to 1.0, and components with the most desirable soil properties, landscape features and climatic characteristics will display with larger NCCPI numerical values than soils with less desirable traits.