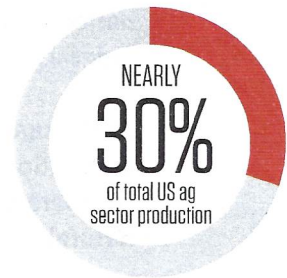
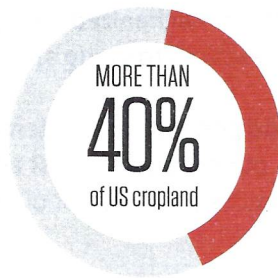


# MIDWEST AG: AN ECONOMIC POWERHOUSE

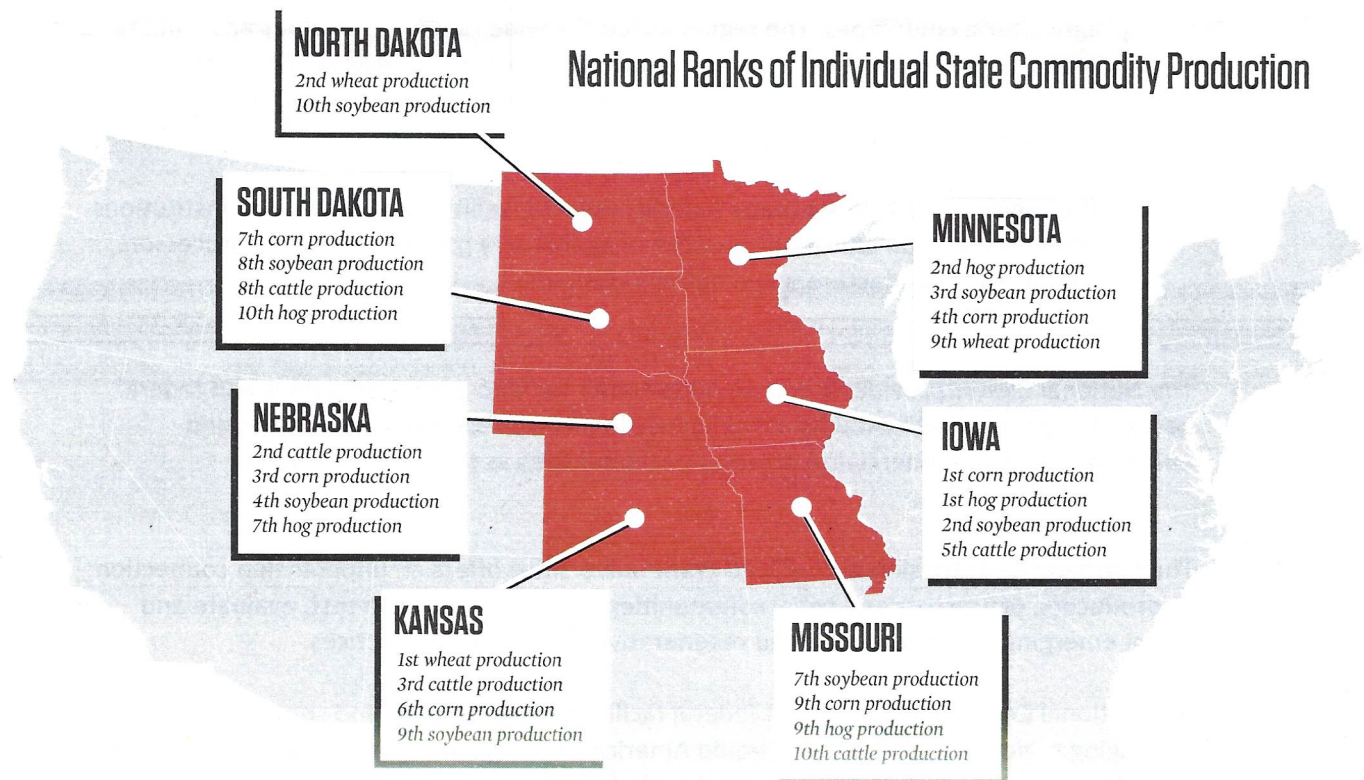
Agriculture plays a tremendous role in the Midwest Region of the United States, particularly in the seven states of Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. The seven-state region accounted for more than 30% of the nation's \$487 billion in agricultural production output in 2021 and is home to 411,000 farms and ranches.

**80%**  
of the land in these states is in  
**AGRICULTURAL PRODUCTION**

Although the region accounts for little over 14% of the nation's landmass, it contains:



The region's agricultural production: More than 54% of US corn production. More than 44% of US wheat production. Nearly 50% of US soybean production. Nearly 40% of US cattle production. Nearly 60% of US hog production.



## **USDA-ARS National Center for Resilient and Regenerative Precision Agriculture**

- USDA's National Center for Resilient and Regenerative Precision Agriculture is envisioned as an agricultural research powerhouse. This national hub will be strategically located in America's heartland, where scientists can tap into existing agricultural infrastructure and harness the unique resources of surrounding states.
- Increasingly, producers rely on digital tools to guide on-farm management decisions. As the nation's food production system transitions from mechanized to digital agriculture, the federal government must invest in precision research to guide and drive this evolution.
- At the same time, a rapidly growing worldwide population will demand increased food production. To meet this demand long-term, our producers must adopt climate-smart, regenerative management practices that promote resilience of our soil, water, and other natural resources.
- The Midwest is perfectly positioned to be the site of the National Center:
  - The region is the heart of the nation's ag industry, with seven Midwestern states accounting for 30 percent of the nation's total agricultural output.
  - The Midwest is incredibly rich in natural resources and boasts a diversity of agricultural landscapes. The region includes a wide range of soil types and climate zones, rangeland and cropland that support an incredible variety of commodities. Additionally, the region is home diverse water resources, including one of the largest aquifers in the world.
  - The region already hosts many federal research facilities and land-grant institutions and is home to an enormous number of ag industry partners including processors, equipment manufacturers and ag-tech companies.
- The National Center provides a unique opportunity for land grant institutions and federal agencies to partner with established ag industries, as well as to attract startups and entrepreneurs to commercialize promising technologies as they are developed.
- The Cooperative Extension arm of land grant universities offers an unparalleled connection to producers, processors and tribal communities and others eager to test, evaluate and adopt emerging ag technologies and regenerative management practices.
- The National Center will be the first federal facility to utilize a "hub and spokes" model, leveraging regional partnerships to equip America's farmers and ranchers with 21<sup>st</sup> century precision technologies to meet present-day challenges.