

# The North Dakota Department of Agriculture

## Doug Goehring, Agriculture Commissioner



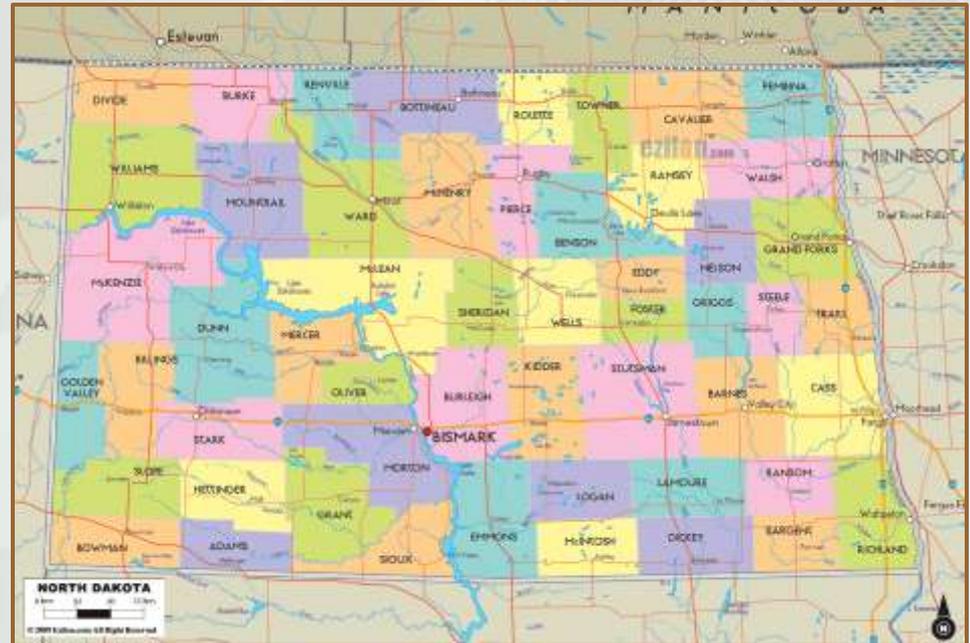
*To provide North Dakota agriculture with the services and leadership necessary to make North Dakota the trusted provider of the highest quality food in the world with prosperous family farms, thriving rural communities and world class stewardship of resources.*



# North Dakota

17th largest U.S. state by size

North Dakota ranks 47<sup>th</sup> based on a population of 699,000 people



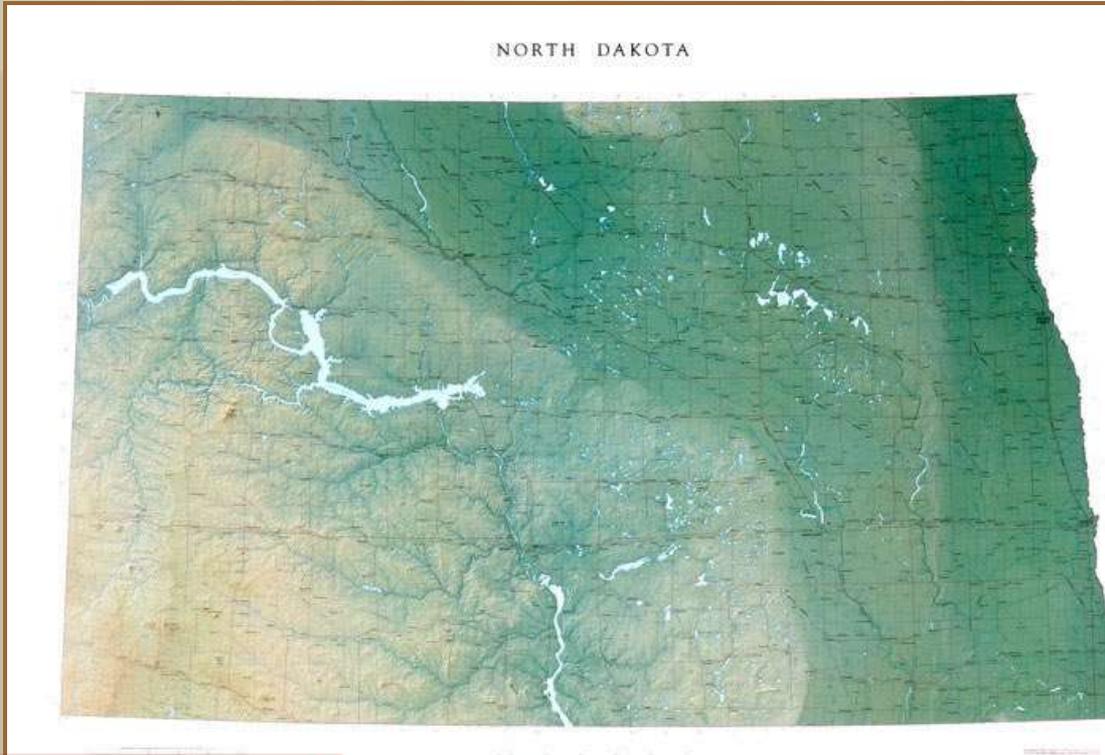
North Dakota has 53 counties and a land area of 17.85 million hectares

# Climate in North Dakota

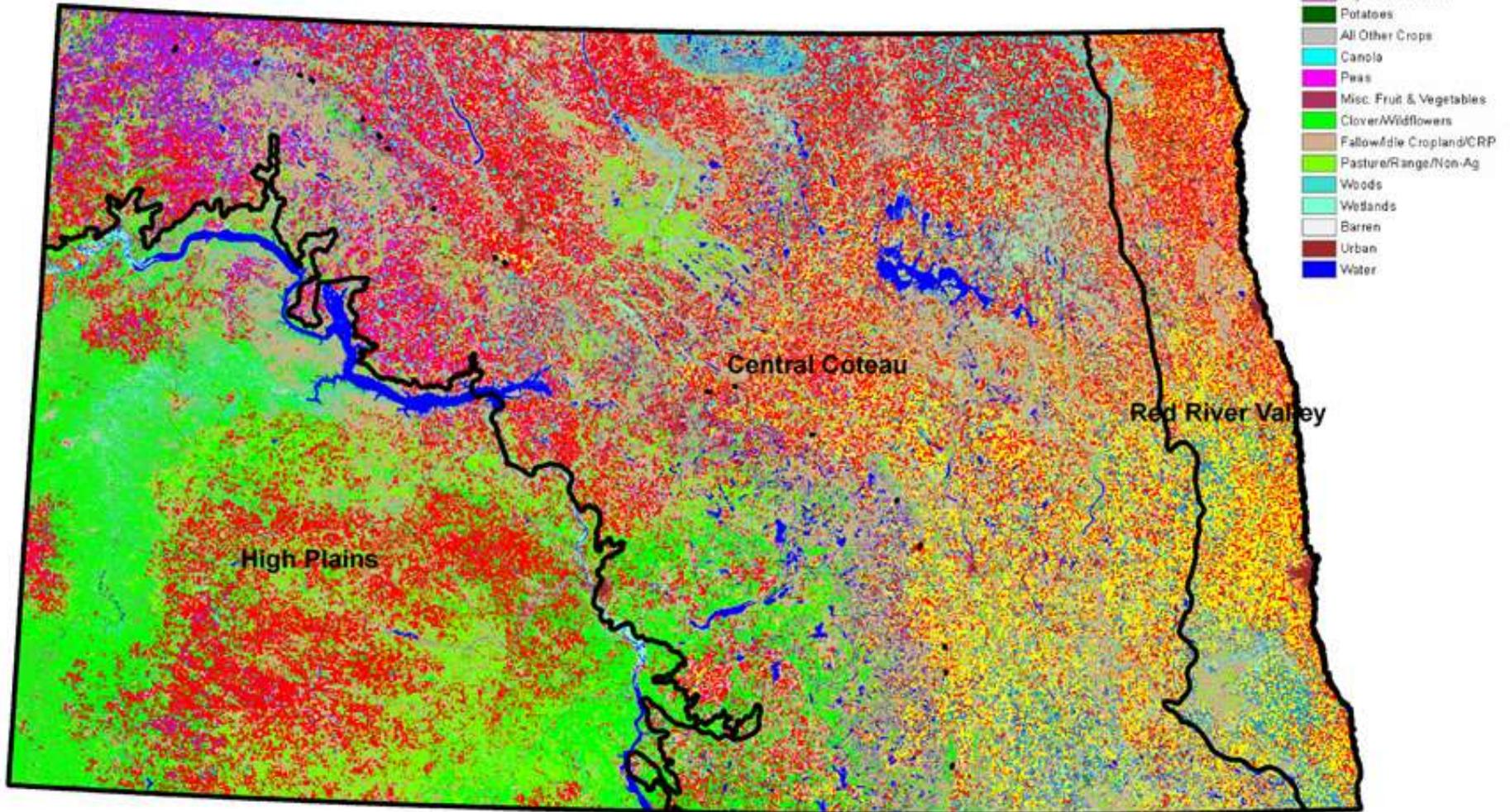
- Climate across the state is semi-arid in the East to arid in the West
- Northwest North Dakota averages 35.56 cm of precipitation
- Southeast North Dakota averages 55.88 cm of precipitation
- On average, 75% of the annual precipitation falls during the growing season (April-September)
- Average July temperature 21 degrees C
- Average January temperature -14 degrees C



# Land Diversity & Topography of North Dakota



# Ecoregions and Crops Grown in North Dakota



# North Dakota – a National Leader

North Dakota produces 46 different commodities & leads the nation in the production of:

## *#1 in...*

- Spring Wheat
- Durum Wheat
- Barley
- Sunflowers - oil & non-oil
- Canola
- Flaxseed
- All Dry Edible Beans - navy & pinto
- Honey
- Lentils
- Dry Edible Peas



# North Dakota Livestock

Cash receipts for livestock represent the 3<sup>rd</sup> largest sector of commodity agriculture in North Dakota.

- 1,690,000 head of Beef Cattle and Calves
- 19,000 head of Milk Cows
  - 156 million kgs. of milk per year
  - 9,500 kgs/cow/year
- 151,000 head of Swine
- 73,000 head of Sheep and Lambs
- 510,000 Honey Bee Colonies



# North Dakota Land use in agriculture:

30% pasture and range land    70% cropland



Land Cover Categories  
(by decreasing acreage)

**AGRICULTURE\***

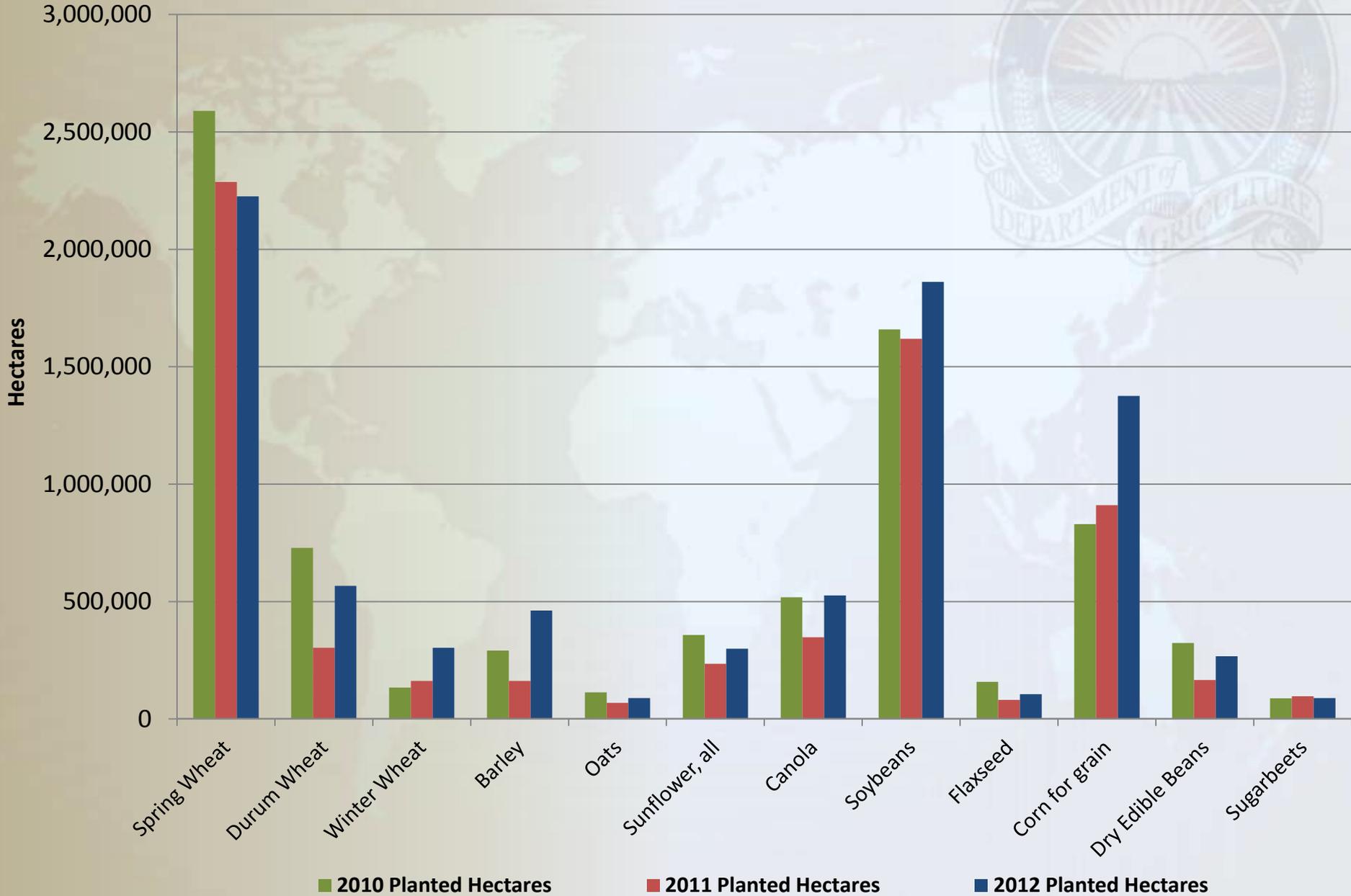
- Grassland Herbaceous
- Spring Wheat
- Soybeans
- Corn
- Other Hay/Non Alfalfa
- Fallow/Idle Cropland
- Canola
- Durum Wheat
- Alfalfa
- Sunflower
- Winter Wheat
- Dry Beans
- Sugarbeets
- Barley
- Peas
- Potatoes

**NON-AGRICULTURE\*\***

- Herbaceous Wetlands
- Developed/Open Space
- Open Water
- Deciduous Forest
- Woody Wetlands
- Developed/Low Intensity

0 16.92 33.84 50.76  
miles

# North Dakota Crop Area 2010 to 2012

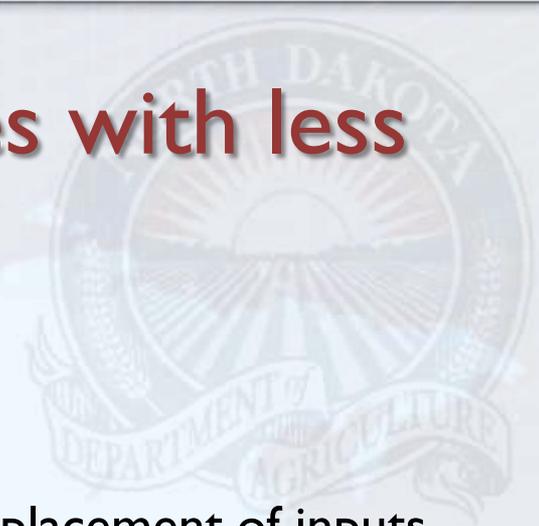


# Advanced Production Practices with less Soil Disturbance:

- No till
- Minimum till
- Strip till

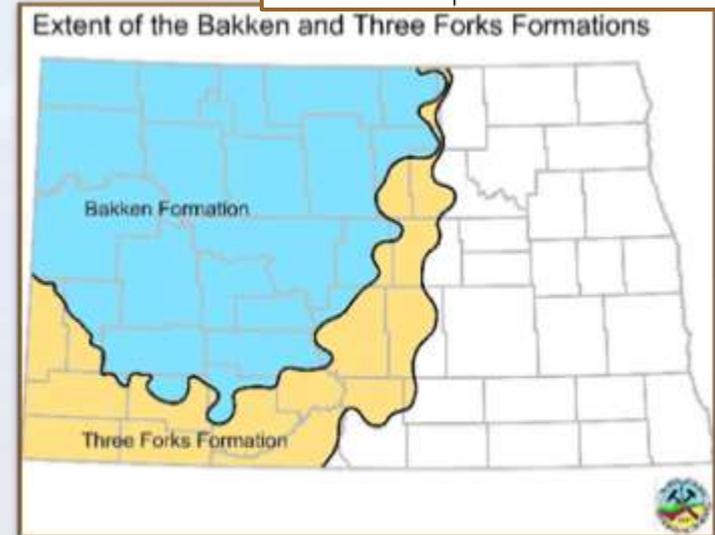
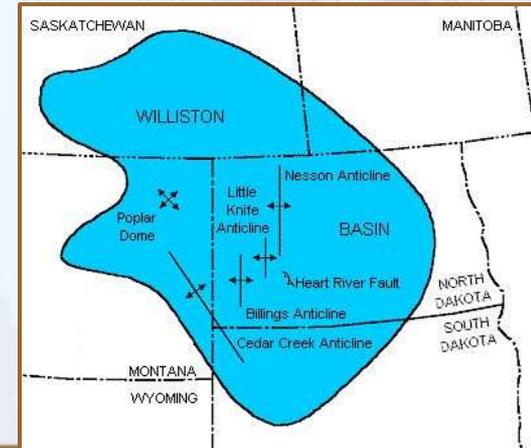


- Precise placement of inputs using Global Positioning Systems:
  - Seed
  - Fertilizer
  - Pesticides



# Oil in North Dakota

- Oil is North Dakota's 2<sup>nd</sup> largest economic
- 2<sup>nd</sup> largest oil producing state in the U.S.
- Produce 747,412 barrels of oil per day (BPD) (Oct 2012)
- 8,025 oil wells currently pumping (Oct 2012)
- Potential to produce 1.2-1.6 million BPD



# North Dakota Department of Agriculture

The seal of the North Dakota Department of Agriculture is located in the upper right corner. It features a central sunburst design with rays emanating from a central point. The words "NORTH DAKOTA" are arched across the top, and "DEPARTMENT OF AGRICULTURE" is arched across the bottom. A banner at the very bottom contains the motto "AGRICULTURE".

## ➤ **Livestock Development**

- Livestock Licensing, Dairy, Livestock Pollution Prevention, State Meat and Poultry Inspection, Commercial Feed

## ➤ **Animal Health**

- Permitting and Traceability for import/export of animals
- Zoonotic, Foreign Animal Disease, Traceability and Disease Investigation; Inhumane Treatment of Animals Investigations; Permits for Non-Traditional Livestock Operations

## ➤ **Plant Industries**

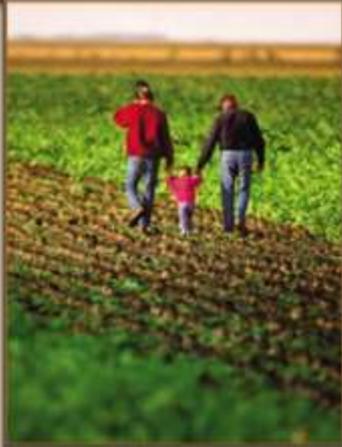
- Phytosanitary Inspections & Certification for export
- Noxious weeds
- Apiary
- Plant Protection

## ➤ **Pesticide and Fertilizer**

- Licensing & Inspections of Pesticide, Fertilizer, Anhydrous Ammonia

## ➤ **Marketing and Information**

- Public Information & Policy Analysis, Research
- Pride of Dakota – marketing program for small companies who produce a North Dakota-made product
- Local Foods & Farmers Markets
- Export Promotion & Market Development



## **NORTH DAKOTA DEPARTMENT OF AGRICULTURE**

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