



# Crookston Area Biofuels Assessment

Trenton Haffley

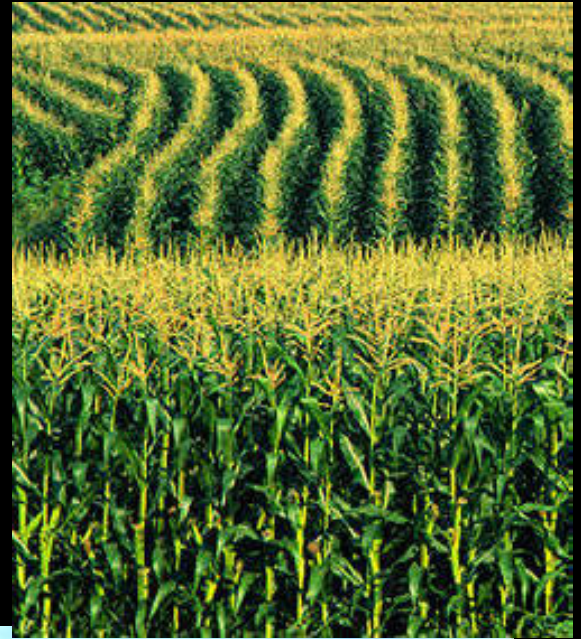


# Need For Alternative Fuels

- Increasing energy needs require cleaner, more renewable fuels
- Energy from corn ethanol was a great breakthrough but is not very efficient
- Cellulosic energy is not only more efficient per acre, it provides wildlife habitat in the form of native grassland

# About the Project

- Modeled after the Madelia Project
- Project is designed to determine the biofuels available with 25 miles of Crookston
  - Both current and proposed



# What Will Be Done

- Determine BTU's present in counties within 25 miles
- Figure out if that amount is enough to support energy use in the area
- Assess soil quality to determine if more BTU's can be generated on marginal soil with grasses



Photo by George Jameson

# Data So Far

County	Total Acres	Acres in Production	Total BTU's (Trillions of BTU's)
East Polk	85,830,624 (total Polk Acres)	289,576	6.03
West Polk		692,909	
Red Lake	18,835,344	159,651	5.10
Norman	38,171,628	498,854	11.16

# Long-Term Goal

- Use a survey to determine the energy use in the area
- Ultimately work out a grid system of ethanol plants across the Midwest



