



CLIMATE RISKS GROW FOR MINNESOTA FARMS

Crops grown in Minnesota feed communities in the U.S. and around the world. But hotter temperatures and less predictable weather patterns caused by climate change are drying up fertile farmland and threatening the health and livelihood of farmers and ranchers. Congress can't turn its back on hard-working Minnesotans – and the farm bill is the best opportunity to seed a more productive and resilient agricultural system.

WHY THE U.S. NEEDS MINNESOTA

Minnesota is a top producer of grains, oilseeds, hogs and milk, ranking seventh in the nation in agricultural production. However, these important commodities face climate threats according to the U.S. Climate Vulnerability Index (CVI), a screening tool developed in partnership between EDF, Texas A&M University and community-based stakeholders. The CVI provides us with a better understanding of the growing climate risks facing farmers and ranchers by visualizing how drivers of cumulative vulnerability harm communities across the United States.

MINNESOTA RANKS #2 NATIONWIDE FOR VULNERABILITY TO EXTREME TEMPERATURES

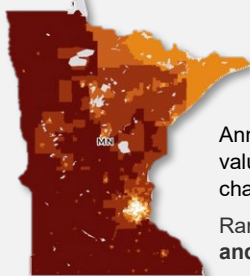


Minnesota is ranked
#2 in vulnerability to
extreme
temperatures.

TEMPERATURE

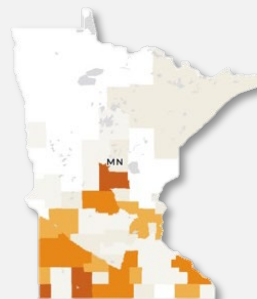
Data from the CVI indicates that census tracts across the state are vulnerable to increases in the number of severely cold and severely hot days. In extreme temperatures, many crops will struggle to maintain their regular growing cycles, potentially increasing crop failures and raising concerns over the health and safety of farm workers.

AG LAND VALUE



Annual loss of farmland
value due to climate
change in the U.S.
Ranks **28** out of **50** states
and DC.

CROP YIELDS



Decline in the amount of
stable crops produced by
the year 2100.
Ranks **24** out of **50**
states and DC.

These climate vulnerabilities will disrupt agricultural production systems across the state and will have major consequences to the state's economy as well as the national food supply.

MINNESOTA FARMERS NEED CONGRESS TO HELP THEM STAY PRODUCTIVE

Minnesota's farmers and ranchers need more technical and financial support to best respond to the changing climate. Many are already implementing cover crops, no-till, split nutrient application and other conservation practices on their farms. Farmers and ranchers know their land better than anyone. They know what they need to do to stay competitive and productive.

Programs administered by USDA's Natural Resource Conservation Service, such as the Environmental Quality Incentives Program, Conservation Stewardship Program and Regional Conservation Partnership Program, are available to help improve the resilience of farms and ranches. These programs are incredibly popular, but the \$6 billion allocated for them in the 2018 Farm Bill doesn't go far enough. That's why up to two-thirds of applications for these voluntary programs are rejected each year.



"In these ever-changing climate conditions, water is a huge concern. Everyone knows that things are different weather-wise from our childhood. What a farm bill does, both on the program side and on the conservation side, will help farmers try new things to address soil health and water quality."

*Kristin Duncanson, Owner of Highland Family Farms,
Mapleton, Minnesota*

THE SOLUTION

For this farm bill, Minnesota farmers need Congress to help them stay productive in a changing climate while also reducing environmental impacts.

Otherwise, we risk the food on our tables.