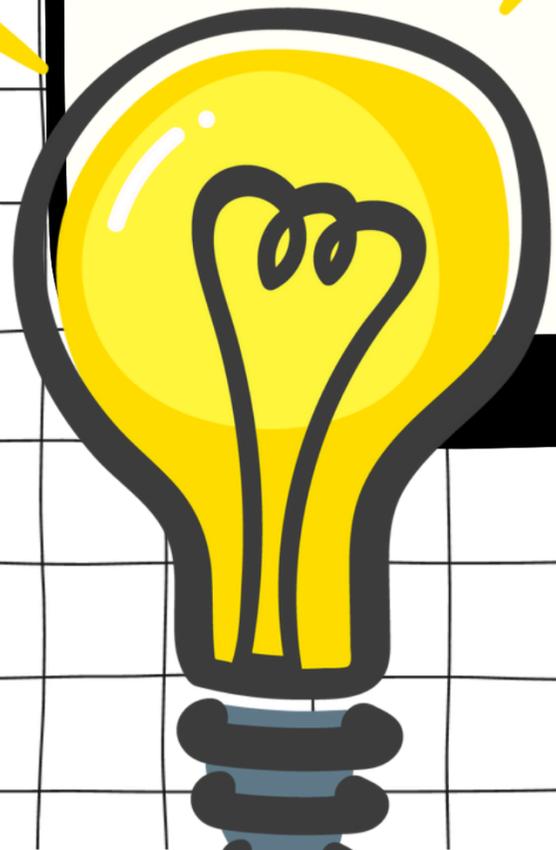




Innovative Youth Corn Challenge



INNOVATIVE YOUTH
CORN CHALLENGE



Sponsored by the
Nebraska Corn Board
& Nebraska Extension

Contents



01

Introduction

02

The teams

03

Ice breaker

04

Program Logistics

05

Resources

06

Summer Workshop
Opportunity

07

Banquet



The team



Brandy VanDeWalle
Fillmore/Clay Counties



Aaron Nygren
Saunders, Douglas, Sarpy Counties



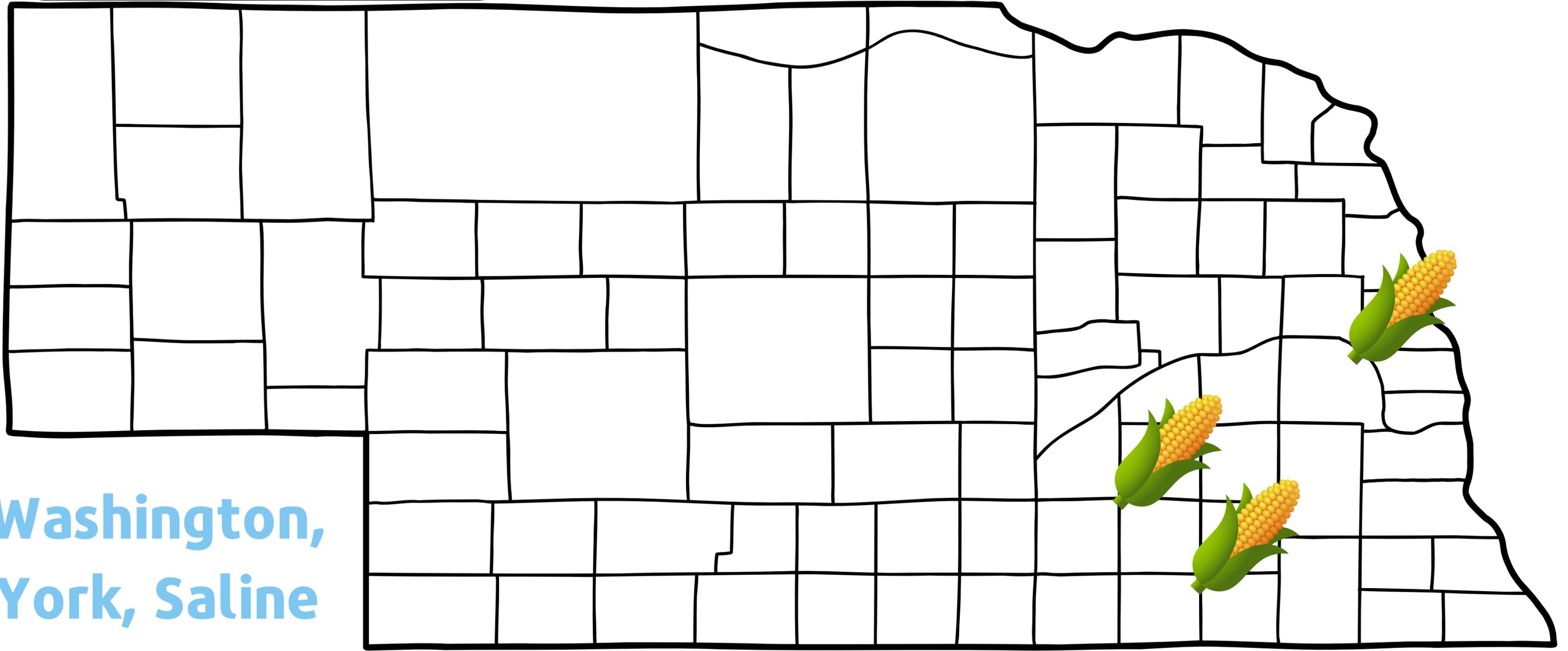
Amy Timmerman
Holt/Boyd Counties



Lauren
Cass County



2024 Teams



Washington,
York, Saline
Counties



Ice Breaker & Feedback

Go to Menti.com. The code 5504 8616

<https://www.menti.com/al8fvgyiqary>



By the Numbers

12

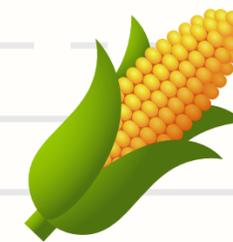
The Nebraska Innovative Youth Corn Challenge is in its **12th** year engaging youth in crop science-based education

47

Since the Innovative Youth Corn Challenge program's inception in 2012, 97 teams have participated in the program with **47** teams successfully harvesting and analyzing their plot data.

268

A total of 268 youth have participated since the program's inception.



By the Numbers

86%

86% of participants agreed/strongly agreed because of the program, they have an improved knowledge of accurately identifying pests, understand crop scouting procedures, how to set up on-farm research plots, how to determine if practices implemented in the field are profitable & how to evaluate new products or practices in the field.

86%

86% of youth learned about a new career option and are interested in an agricultural career.



1 youth

"We wanted to try the challenge because our parents are farmers, and we think that farming is very important to the economy today. We are the sixth generation in our family to farm in Dawson County. We understand that experimenting with new technology and innovative practices on our farm will be productive for future generations to come. No youth have tried the challenge in this part of the state before."

The Program

Team Project

01

Team creates a plan of testing a product, practice, or other innovative experiment to test against a test/standard plot.

02

Team implements their innovative & standard plots. Gather scouting data, take pics and observe.



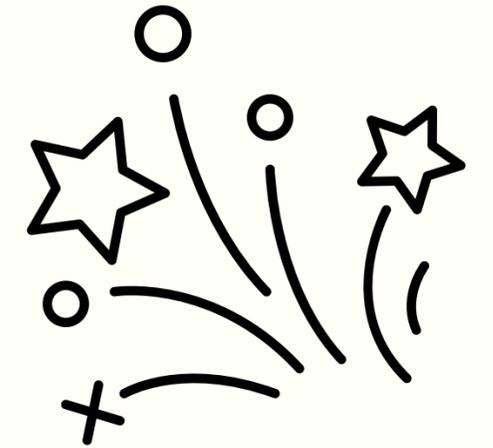
03

Team harvests plots AND creates an Ag Literacy Project

Project Proposal
- Due
June 15th

Throughout the
growing season,
scout, take pics,
record videos.

Complete
harvest report
and share Ag Lit
project Due Dec.
15



Celebrate
your
Success!
Banquet in
January

Plot Layout Example

Example Plot layout (minimum required**)

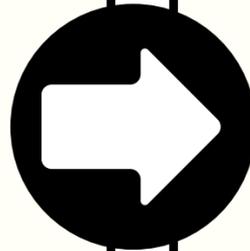
Treatment 1 acre minimum	Check 1 acre minimum
-----------------------------	-------------------------



Bonus Points

- Conducting Randomized & Replicated Plots
- Following the Nebraska On-Farm Research Network protocols found at

<http://cropwatch.unl.edu/farmresearch>

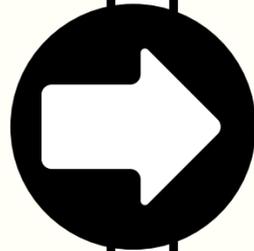


Even though there are 2 strips of "RyzUP SmartGrass" next to each other, a separate weight must be taken from each.

Replication 1	Untreated	Yield:
	RyzUP SmartGrass®	Yield:
Replication 2	RyzUP SmartGrass®	Yield:
	Untreated	Yield:
Replication 3	Untreated	Yield:
	RyzUP SmartGrass®	Yield:
Replication 4	RyzUP SmartGrass®	Yield:
	Untreated	Yield:
Replication 5	Untreated	Yield:
	RyzUP SmartGrass®	Yield:
Replication 6	RyzUP SmartGrass®	Yield:
	Untreated	Yield:
Replication 7	Untreated	Yield:
	RyzUP SmartGrass®	Yield:

During Growing Season...

- Scout your plot!



- Record any differences
- Take pictures
- Identify pests
- Record products or work done to plot
- Learn
- Have Fun!!!



After Harvest...



- **Harvest Report**
- **Production Records (scouting forms, etc.)**
- **Ag Literacy Piece**
- **Attend Banquet!**
- **Usually scheduled in January on UNL's East Campus**

Resources

CropWatch.unl.edu



Timely News Articles & Crop Updates



Weather data, ET info



Corn Production and pests

CropWatch May 10, 2024

Pest Management

Alfalfa Weevil Surging in Alfalfa Fields

Alfalfa weevil larvae have emerged in southeast, south-central and central Nebraska; scouting for this pest is crucial for alfalfa producers over the next few weeks.



Current Use of Chlorpyrifos and Food Tolerances

Nebraska Extension educators share guidance on the use of chlorpyrifos products on food and feed crops in the U.S.



Wheat Production

Wheat Disease Update: Stripe Rust Confirmed in Nebraska

The appearance of wheat disease has increased in Nebraska, with new observations of stripe rust in several counties and low levels of barley yellow dwarf and leaf spot diseases.



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RECENT CW NEWS

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WILDFIRE RESOURCES for Ag Producers



CropWatch.unl.edu



Institute of Agriculture and Natural Resources

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onfarmresearch.unl.edu



Related Articles



Study Area Expanded for Growers Interested in Participating in Soybean Yield Gap Research



20 Growers Sought for Soybean Yield Gap Study

FEBRUARY 8, 2019



Growers Statewide to Share On-Farm Research

JANUARY 28, 2019

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Crop Kits

CropWatch.unl.edu

● Tools for your field

● Time-Elapsed
Camera

● 360 Camera

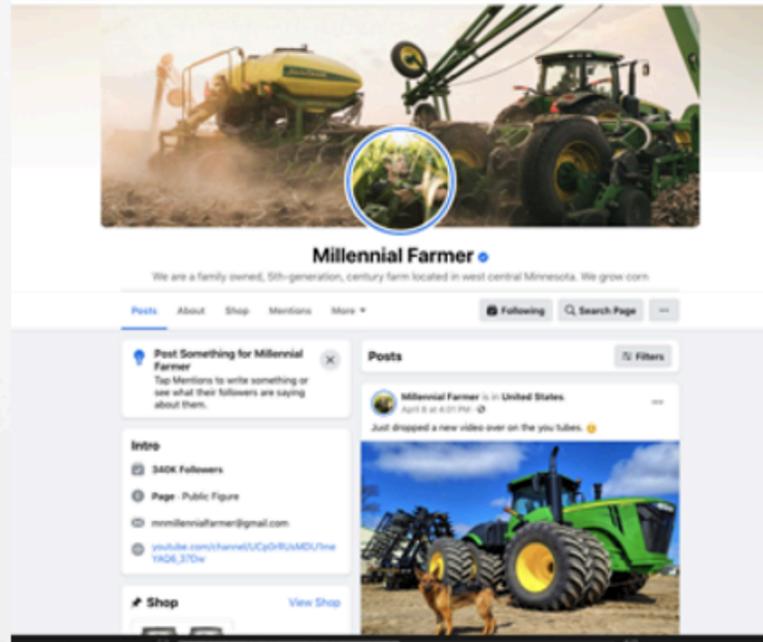


An agriculturally literate person...

“understands **how the agricultural industry works** – not just where food comes from, but **who grows it**, agriculture’s **effect** on the economy, environment, technology, lifestyle and its relationship to livestock...can define basic terms to deepen and complement their understanding of the definition of agriculture.”



AG LIT EXAMPLES



NEBRASKA AGRICULTURE IN THE CLASSROOM NEBRASKA FARM BUREAU FOUNDATION

Corn A to Z

Did you know all of these products have corn in them?

Funding provided by Nebraska Corn Board and NE Foundation. For more information visit www.nfbfoundation.org

How Nebraska Corn is Used



The Animals That Eat Nebraska Corn

(2014/15 Marketing Year)



Types of Corn Grown in Nebraska

2014 Planted Acres

YELLOW DENT CORN (Field Corn) 4,519,645 acres Primary used for ethanol production and livestock feed. The "dent" appears in the corn kernels as the ear dries down for harvest.	SWEET CORN 579K acres This is what you buy at the grocery store or farmer's market. Sweet corn is harvested as fresh sweet corn for your family. Sweet corn is also available frozen or canned.
WHITE CORN 182,000 acres Used for human food, especially in products such as chips and tortillas.	HIGH AMYLOSE CORN 600 acres A high-amylose corn primarily used in the wet-milling industry for use in foods, candies and adhesives.
POPCORN 91,251 acres Nebraska is the nationwide popcorn production.	RED CORN 50 acres A unique type of sweet corn with an especially "velvety" taste.
BLUE CORN 1,812 acres Used primarily in bioethanol products, especially in ethanol made from sorghum.	ORNAMENTAL CORN 1.2 acres Also known as "Indian Corn", comes in a variety of colors and patterns.

Nebraska Corn Board

AG LIT EXAMPLES



AG LIT AWARD RUBRIC

Content must have corn production focus

Criteria	Points Possible	Points Scored	Comments
Clear relationship/connection to society (see pillars of ag lit)	30		
Originality (infographic, video, presentation, social media, podcast)	20		
Quality	20		
Timely/current, Research-informed	15		
"Life" of the product	10		
Spelling and grammar	5		
Points Scored	100		
2 bonus points for audience reach over 20 people			
5 bonus points for audience reach over 50 people			

Tips and Tricks



- Cite your sources – use reliable sources (.org or .edu)
- Conduct an audience analysis
 - who are you trying to reach (age, careers, interests, background)
- Use Canva to make infographics
 - Ex. corn crop calendar, your yields and what you can do with those yields that the consumer cares about, what a planter and/or combine does, pesticides, insecticides, etc
- Lead a summer workshop
- Have a booth at your county fair with demonstrations
- Pictures and videos – always do landscape images
- Videos and audio – be sure you are in a quiet place, and the camera is still

AVOID

HOW TO Avoid Eating **GMO** Foods

JUST SAY NO TO GMO
(GENETICALLY MODIFIED ORGANISM)

GMO Foods have been genetically altered by wiring in the DNA of pesticides and herbicides

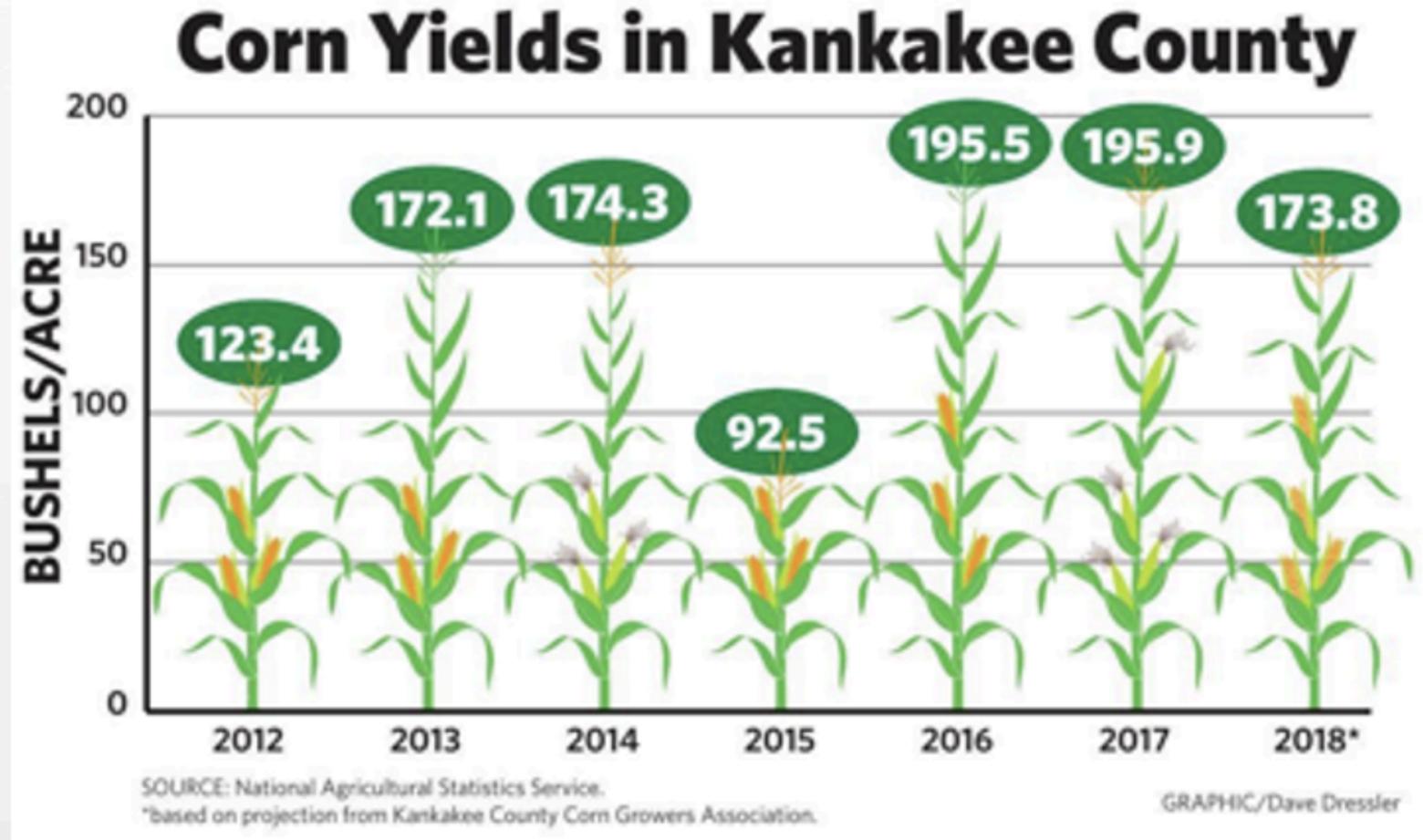
GMO DANGERS

- Linked to Leukemia
- Liver toxicity
- Kidney failure
- Gut inflammation

THE 5 MOST PREVALENT GMO CROPS



sugar beets canola oil corn soy



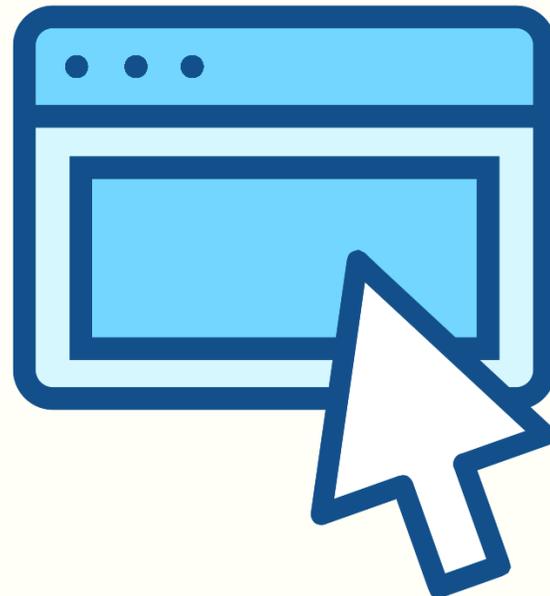
Other Resources

- **Facebook:**

<https://www.facebook.com/innovativeyouthcornchallenge>

- **Website:**

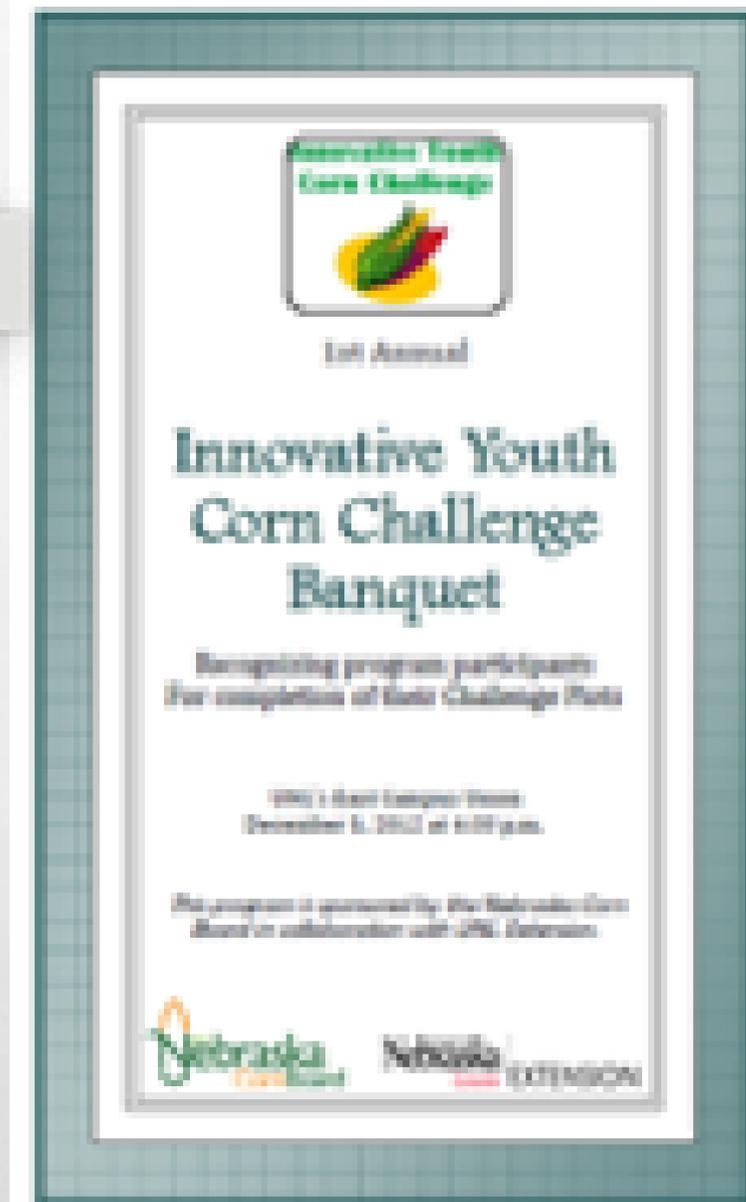
cropwatch.unl.edu/cropwatch-youth/cornchallenge



BANQUET

- USUALLY HELD MID-LATE JANUARY AT UNL'S EAST CAMPUS
- TIME TO REFLECT ON ACCOMPLISHMENTS
- LEARN SOMETHING & NETWORK WITH UNL FACULTY
- ENJOY A GREAT MEAL!

Banquet



2024 Youth Crop Scouting Competition

August 7, 2024

Youth will learn how to scout corn and soybeans!

Obtain knowledge that will be helpful in future agricultural careers!

Network with University and agricultural professionals!

Registration due July 15th at go.unl.edu/cropscoutingreg

For more information, call NE Extension - Fillmore Co. at 402-759-3712 or email brandy.vandewalle@unl.edu.

Cash prizes for 1st-3rd place teams!



2024 Sponsors:



CROPWATCH.UNL.EDU/YOUTH



[#CROPSCOUTCOMP](https://twitter.com/CROPSCOUTCOMP)

The team



Brandy VanDeWalle
Fillmore/Clay Counties

brandy.vandewalle@unl.edu

(402) 759-3712



Aaron Nygren
*Saunders, Douglas, Sarpy
Counties*

anygren2@unl.edu

(402) 352-3821

