



K-STATE
Research and Extension

Extension Agronomy

eUpdate

12/16/2021

These e-Updates are a regular weekly item from K-State Extension Agronomy and Kathy Gehl, Agronomy eUpdate Editor. All of the Research and Extension faculty in Agronomy will be involved as sources from time to time. If you have any questions or suggestions for topics you'd like to have us address in this weekly update, contact Kathy Gehl, 785-532-3354 kgehl@ksu.edu, or Dalas Peterson, Extension Agronomy State Leader and Weed Management Specialist 785-532-0405 dpeterso@ksu.edu.

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1. K-State 2022 Chemical Weed Control Guide now available

One of the most popular K-State Extension publications is here! The 2022 Chemical Weed Control Guide is now available online at:

<https://www.bookstore.ksre.ksu.edu/pubs/CHEMWEEEDGUIDE.pdf>

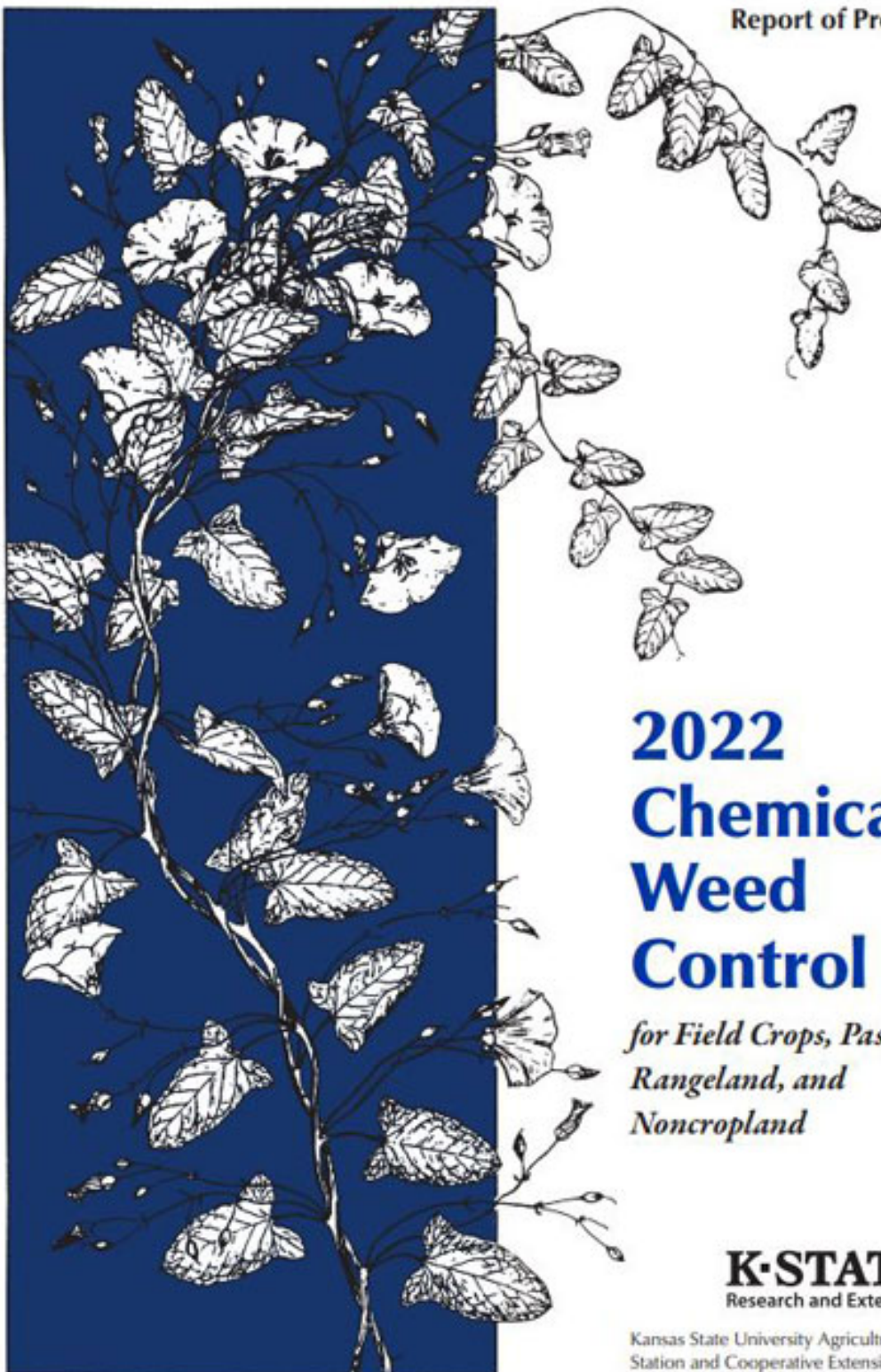
To control weeds effectively, select control methods carefully and use them properly. Chemicals, tillage, crop competition, cropping rotation, mowing, and fire are alternative weed control methods that may be used alone or in combination. Available time, labor, equipment, and other costs as well as types of weeds and areas infested need to be considered when planning a weed control program.

To increase efficiency of crop production, use weed control practices in conjunction with other crop and soil management practices such as planting high-quality seed, planting at the optimum rate and date, and maintaining optimum soil fertility.

This publication provides suggestions for chemical weed control in several major crops. For crops not listed, consult your local K-State Research and Extension agricultural agent.

When viewing online file in a web browser or in Adobe, there is access to bookmarks that will guide you to the first page of every section (options vary per program settings and device type).

Orders for hard copies will be processed by the bookstore as timely as possible.



2022 Chemical Weed Control

*for Field Crops, Pastures,
Rangeland, and
Noncropland*

K·STATE
Research and Extension

Kansas State University Agricultural Experiment
Station and Cooperative Extension Service

Sarah Lancaster, Weed Management Specialist
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2. Kansas Ag-Climate Update for November 2021

The Kansas Ag-Climate Update is a joint effort between our climate and extension specialists. Every month the update includes a brief summary of that month, agronomic impacts, relevant maps and graphs, 1-month temperature and precipitation outlooks, monthly extremes, and notable highlights.

November 2021: A warm ending towards dry condition

Statewide average temperature for the month was 46 °F, which is 3.5 °F warmer than normal. The normal temperature in the west is usually colder than the east region but this month's average temperatures were uniform across the state. This November was warmer than last year's November. Overall, the last three months together have been the coolest since 2014. There were only 3 record high daytime temperatures in western Kansas. The statewide average temperature ranked 117th (Figure 1).

Precipitation anomaly was slightly drier on average across the state. The normal precipitation gradient is from 0.6" in the west to 2" in the east. The eastern regions, especially SE region, were drier at -1.2" below normal. Statewide average precipitation for the month was 1.3 inches, about 0.9 inches drier than normal. If we consider the last three months (September to November), the fall season's precipitation was a normal season.

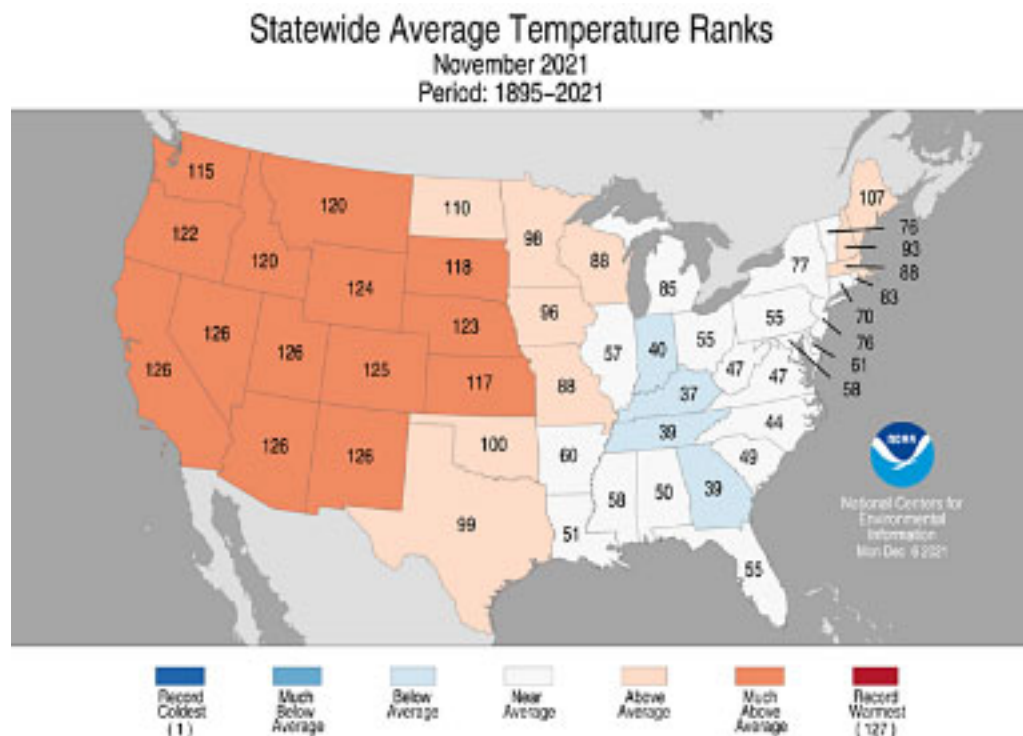


Figure 1. Statewide average temperature ranks for November 2021. Source: NOAA

View the entire November Ag-Climate Update, including the accompanying maps and graphics (not shown in this short summary), at <http://climate.k-state.edu/ag/updates/>.

3. Soil Fertility Management meetings scheduled in central and western Kansas

High nitrogen fertilizer prices have many producers in Kansas wondering how to get the most return on their fertilizer applications heading into the next growing season. The K-State Department of Agronomy, in collaboration with several Extension districts/counties in central and western Kansas, is hosting four Soil Fertility Management meetings in January.

Topics discussed at the meeting include fertilizer storage methods, maximum rate of return for applied N, "growing N" with manure or cover crops, application timing and methods, and the latest research updates from K-State.

There is no cost to attend, but **registration is requested by January 6, 2022** for any of the locations. Online registration is available at: bit.ly/2022KSUFertilityMeetings. Contact your local Extension office if online registration is unavailable. Three CCA credits have been applied for.

January 11

- **Ellsworth, KS - 9:00 am to 12:00 pm**
National Guard Armory
220 West Douglas Avenue
- **Rush Center, KS - 3:00 pm to 6:00 pm**
Senior Center
220 Washington Street

January 12

- **Goodland, KS - 9:00 am to 12:00 pm**
Sherman Co. 4-H Building
417 N. Main
- **Hoxie, KS - 3:00 pm to 6:00 pm**
4-H Building
Sheridan Co. Fairgrounds

Uncertain times????
Are you wondering how to
get the most from your
fertilizer \$\$\$\$?

KSU Soil Fertility Management Meetings January 2022

Collaboration with KSU Central/Western Extension Districts/Counties

January 11, 2022

ELLSWORTH 9:00 a.m. to NOON
National Guard Armory
220 West Douglas Avenue

RUSH CENTER 3:00 p.m. to 6:00 p.m.
Senior Center
220 Washington Street

Join us at any of the locations in NC/NW Kansas to learn about optimizing your fertilizer applications especially with the high cost and limited availability!

Topics will include Storage methods; Maximum rate of return for N; "Growing N" with manure or cover crops; Application timing and methods along with KSU Research updates.

January 12, 2022

GOODLAND 9:00 a.m. to Noon
Sherman Co. 4-H Building
417 N. Main

HOXIE 3:00 p.m. to 6:00 p.m.
4-H Building
Sheridan Co. Fairgrounds

NO COST to attend, but registration is requested by **January 6** for any of the locations ONLINE at:
bit.ly/2022KSUFertilityMeetings

If online is unavailable or you have additional questions contact your local Extension Office.

3 CCA credits applied for.



Kansas State University is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, vision, or hearing disability, contact Sandra L. Wok, Post Rock Extension District, Crop Production Agent, 785-212-6623.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service
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4. K-State Soybean Schools scheduled for late January and early February

A series of six K-State Soybean Production Schools will be offered in late January and early February to provide in-depth training targeted for soybean producers and key-stakeholders. The schools will be sponsored by the Kansas Soybean Commission.

The schools will cover a number of issues facing soybean growers including weed control, crop production practices, nutrient management and soil fertility, insects, risk management, and disease management.

The dates are set and specific locations have been chosen with schools located across the state.

Beloit, KS - January 25 (Tuesday) - 8:00 am to 1:00 pm

First Christian Church in Beloit, 321 N. Mill Street

Contact: Sandra Wick, swick@ksu.edu

Holton, KS - January 25 (Tuesday) - 3:00 to 7:00 pm

NEK Heritage Complex – Jackson County Fairgrounds (south of Holton), 12200 214th Rd

Contact: David Hallauer, dhallaue@ksu.edu

Newton, KS - February 1 (Tuesday) – 8:00 am to 1:00 pm

Meridian Conference Center, 1420 E. Broadway Ct

Contact: Ryan Flaming, flaming@ksu.edu

Parsons, KS - February 1 (Tuesday) – 3:00 to 7:00 pm

Southeast Research and Extension Center, 25092 Ness Rd

Contact: James Coover, jcoover@ksu.edu

Oakley, KS - February 8 (Tuesday) – 8:00 am to 1:00 pm

Buffalo Bill Cultural Center, 3083 US-83

Contact: Kelsi Wertz, kjwertz@ksu.edu

Great Bend, KS - February 8 (Tuesday) – 3:00 to 7:00 pm

Knights of Columbus Hall, 723 Main Street

Contact: Stacy Campbell, scampbel@ksu.edu

Lunch/dinner will be provided courtesy of the Kansas Soybean Commission. There is no cost to attend, but participants are asked **to pre-register by Friday, January 14**. Online registration is available at <http://bit.ly/KSUSoybean>. You can also register by emailing/calling the nearest K-State Research and Extension office for the location you plan to attend (contact emails for each location are listed above).

2022 SOYBEAN SCHOOLS

KANSAS STATE
UNIVERSITY

Department of Agronomy



Ignacio Ciampitti, Farming Systems
ciampitti@ksu.edu

Kathy Gehl, Extension Program Coordinator
kgehl@ksu.edu

5. Kansas Corn Schools scheduled for early 2022



The popular Kansas Corn School series is returning in January and February with four one-day in-person schools to be held across the state and one virtual session. K-State Research and Extension is partnering with Kansas Corn to offer the winter learning sessions for Kansas corn farmers.

The schools will cover a number of issues facing corn producers and are tailored to each region. Topics include weed control, insect resistance, fertility management, disease management and late-planting seasons, economics, and farm policy. Morning refreshments and a hot lunch are provided at the in-person schools.

In-person schools will begin at 8:30 am with registration and the program will end around 1:00 pm. The virtual school will take place on Zoom from 6:00 to 8:00 pm on February 3.

2022 Kansas Corn Schools

- **January 7 – Oakley**
Buffalo Bill Cultural Center
- **January 14 – Salina**
Hilton Garden Inn
- **January 18 – Parsons**
Holiday Inn Express Convention Center
- **February 3 – Virtual**
Online only via Zoom
- **February 24 – Hiawatha**
Fisher Center

Registration for your school of choice is available online at <https://kscorn.com/cornscool/>

Ignacio Ciampitti, Farming Systems
ciampitti@ksu.edu

Deb Ohlde, Director of Grower Services
dohlde@ksgrains.com

6. Crop Pest Management School to be held online, December 21

If you missed the two in-person Crop Pest Management Schools, you can still attend the online school scheduled for Tuesday, December 21.

The virtual school will start at 7:50 am with online check-in via Zoom. The program will begin at 8:15 am and conclude at 5:00 pm. The virtual school fee is \$75 and you must be registered by Friday, Dec. 17.

A detailed agenda is shown in the graphic flyer below and can be viewed at:

<https://www.sunflower.k-state.edu/agronomy/>

Interested individuals will need an internet-connected device, such as a laptop, desktop, or tablet at your home and/or your workplace.

The following is required:

- only one person per computer
- good internet connection
- audio (from the computer speakers, microphone port, or via telephone)
- downloaded application of Zoom on your device (to download, visit <https://zoom.us/>)

Please register by December 17 at <https://www.sunflower.k-state.edu/agronomy/>.

Credits available include:

- 1A Commercial Applicators: 7 credits and 1 core hour
- Certified Crop Advisors: 8 pest management credits

K-State Crop Pest Management School

December 21

Attend via Zoom

8:00 – 5:00 CT

Register at:

www.sunflower.ksu.edu/agronomy

Cost is \$75

Credits:

1A Commercial Applicators: 7 credits and 1 core hour
Certified Crop Advisors: 8 pest management credits

Schedule:

- 8:15 am **Research Update on Herbicide Applications**
Dr. Ajay Sharda, K-State Precision Ag Specialist
- 9:10 am **Getting the Most from Your Herbicide Application**
Dr. Sarah Lancaster, K-State Extension Weed Scientist
- 10:20 am **Common Weeds – Identification and Characteristics**
Jeanne Falk Jones & Craig Dinkel, K-State Multi-County Agronomist
and K-State District Crop Production Agent
- 11:15 am **Identifying and Controlling Common Corn Insects**
Anthony Zukoff, K-State Extension Entomologist
- 12:50 pm **Combatting Corn Diseases**
Dr. Rodrigo Onofre, K-State Row Crop Pathologist
- 1:45 pm **Weed Research Update**
Dr. Vipin Kumar, K-State Weed Scientist
- 2:55 pm **Wheat Diseases And their Prevention/Control**
Dr. Kelsey Andersen Onofre, K-State Wheat Pathologist
- 3:50 pm **Kansas Regulations (Core Hour)** by KDA Representative

Computer requirements listed on www.sunflower.ksu.edu/agronomy

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