



## Soybean Production Calendar

# EXTENSION

July 2023

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Oklahoma Cooperative Extension Fact Sheets  
are also available on our website at:  
**[extension.okstate.edu](https://extension.okstate.edu)**

### Calendar Description

Soybean production systems in Oklahoma exhibit a high degree of dynamism. Timely management and the proper application of production inputs play a critical role in optimizing productivity and economic returns. This calendar serves as a practical guide to assist growers in planning for upcoming practices. Given the wide range of production systems in Oklahoma, growers are advised to utilize this document as a reference to tailor their own personalized calendars.

The calendar covers various topics such as agronomy, fertility, insect control, disease prevention and weed management in soybean production systems. Although these topics are discussed individually, they are often interconnected. Throughout the calendar, specific practices are highlighted and linked to corresponding fact sheets that provide more detailed information on each topic. Growers should take note of these highlighted practices, as they serve as valuable resources to enhance their understanding and implementation of effective farming techniques.

### References

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3. Damicone, J. (2017b) *Stem and Pod Diseases of Soybean* | Oklahoma State University. Available at: <https://extension.okstate.edu/fact-sheets/stem-and-pod-diseases-of-soybean.html>.

4. Lofton, J. and Arnall, B. (2017) *Understanding Soybean Nodulation and Inoculation* | Oklahoma State University. Available at: <https://extension.okstate.edu/fact-sheets/understanding-soybean-nodulation-and-inoculation.html>.

5. Royer, T. A. (2022) *Management of Insect and Mite Pests in Soybean* | Oklahoma State University. Available at: <https://extension.okstate.edu/fact-sheets/management-of-insect-and-mite-pests-in-soybean.html>.

6. Zhang, H. and Arnall, B. (2017) *OSU Soil Test Interpretations* | Oklahoma State University. Available at: <https://extension.okstate.edu/fact-sheets/osu-soil-test-interpretations.html>



**Figure 1. Target spot of soybean, caused by the fungus *Corynespora cassiicola***

	October-December	March	April	May	June	July	August	September	October-November
<b>Crop Management</b>	Evaluation available cultivars for suitable region	Evaluation available cultivars for suitable region  Prepare Seedbed	Early planting period	Early planting period	Late planting period	Reproductive growth period  Critical irrigation period	Reproductive growth period  Critical irrigation period	Reproductive growth period  <a href="#">Harvest Management</a> (Desiccation, Timely Harvest, Combine setup)	Reproductive growth period  <a href="#">Harvest Management</a> (Desiccation, Timely Harvest, Combine setup)
<b>Nutrient Management</b>	<a href="#">Apply Lime</a>  <a href="#">Soil Sample</a>	<a href="#">P,K micronutrient application</a>  <a href="#">Soil Sample</a>	<a href="#">P,K micronutrient application</a>  Preplant nutrition management  <a href="#">Determine if inoculum is needed</a>	Preplant nutrition management  <a href="#">Determine if inoculum is needed</a>					
<b>Insect Management</b>			Ensure seed has quality insecticide seed treatment  Scout for early season insects, apply if above threshold  (Various worm species, pillbug, slugs)	Scout for early season insects, apply if above threshold  (Various worm species, pillbug, slugs)	<a href="#">Manage and scout vegetative feeding insects</a>  (loopers, japanese beetle, bean leaf beetle, blisterbugs, grasshoppers)	<a href="#">Manage and scout vegetative feeding insects</a> (loopers, japanese beetle, bean leaf beetle, blisterbugs, grasshoppers)  Manage late-season pod feeding insects (Stinkbugs and various worm species)	<a href="#">Manage late-season pod feeding insects (Stinkbugs and various worm species)</a>	<a href="#">Manage late-season pod feeding insects (Stinkbugs and various worm species)</a>	<a href="#">Manage late-season pod feeding insects (Stinkbugs and various worm species)</a>
<b>Disease Management</b>			Ensure seed has quality fungicide seed treatment  <a href="#">Scout for seedling diseases (damping off or root rot)</a>	<a href="#">Scout for seedling diseases (damping off or root rot)</a>	<a href="#">Scout for seedling diseases (damping off or root rot)</a>	<a href="#">Evaluate late-season diseases (Cercospora, Alternaria, Diprthe, Charcoal Rot)</a>  These will primarily be pod and stem disease but also late-season foliar  Determine the presence of soybean cyst (SCN) or root knot nematode	<a href="#">Evaluate late-season diseases (Cercospora, Alternaria, Diprthe, Charcoal Rot)</a>  These will primarily be pod and stem disease but also late-season foliar  Determine the presence of soybean cyst (SCN) or root knot nematode	<a href="#">Evaluate late-season diseases (Cercospora, Alternaria, Diprthe, Charcoal Rot)</a>  These will primarily be pod and stem disease but also late-season foliar  Determine the presence of soybean cyst (SCN) or root knot nematode	
<b>Weed Management</b>	Get all necessary application trainings (Applicator or dicamba trainings)  <a href="#">Understand rotational restrictions and previous herbicide used</a>	Winter Weed Management  Get all necessary application trainings (Applicator or dicamba trainings)  <a href="#">Understand rotational restrictions and previous herbicide used</a>	Burndown/preplant herbicide management system (Early and late planted systems)  <a href="#">Understand rotational restrictions and previous herbicide used</a>	Burndown/preplant herbicide management system (Early and late planted systems)  <a href="#">Understand rotational restrictions and previous herbicide used</a>	Burndown/preplant herbicide management system (Early and late planted systems)  <a href="#">Understand rotational restrictions and previous herbicide used</a>	Apply any late-season herbicides to manage weeds  Note: Applications of several commonly used herbicides are considered off-label past or during reproductive growth  Early post emergence weed management (late-planted systems)	Apply any late-season herbicides to manage weeds  Note: Applications of several commonly used herbicides are considered off-label past or during reproductive growth	Apply any late-season herbicides to manage weeds  Note: Applications of several commonly used herbicides are considered off-label past or during reproductive growth	Use desiccation applications to manage late-season weeds

Table 1 [Soybean Production Guide](#)

# The Oklahoma Cooperative Extension Service

## Education Everywhere for Everyone

The Cooperative Extension Service is the largest, most successful informal educational organization in the world. It is a nationwide system funded and guided by a partnership of federal, state and local governments that delivers information to help people help themselves through the land-grant university system.

Extension carries out programs in the broad categories of agriculture, natural resources and environment; family and consumer sciences; 4-H and other youth; and community resource development. Extension staff members live and work among the people they serve to help stimulate and educate Americans to plan ahead and cope with their problems.

Some characteristics of the Cooperative Extension system are:

- The federal, state and local governments cooperatively share in its financial support and program direction.
- It is administered by the land-grant university as designated by the state legislature through an Extension director.
- Extension programs are nonpolitical, objective and research-based information.
- It provides practical, problem-oriented education for people of all ages. It is designated to take the knowledge of the university to those persons who do not or cannot participate in the formal classroom instruction of the university.
- It utilizes research from university, government and other sources to help people make their own decisions.
- More than a million volunteers help multiply the impact of the Extension professional staff.
- It dispenses no funds to the public.
- It is not a regulatory agency, but it does inform people of regulations and of their options in meeting them.
- Local programs are developed and carried out in full recognition of national problems and goals.
- The Extension staff educates people through personal contacts, meetings, demonstrations and the mass media.
- Extension has the built-in flexibility to adjust its programs and subject matter to meet new needs. Activities shift from year to year as citizen groups and Extension workers close to the problems advise changes.

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Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Director of Oklahoma Cooperative Extension Service, Oklahoma State University, Stillwater, Oklahoma. This publication is printed and issued by Oklahoma State University as authorized by the Vice President for Agricultural Programs and has been prepared and distributed at a cost of 20 cents per copy. July 2023 AM.