**Agriculture in Society**

**Unit 2:** Animal andLivestock Production in Agriculture

**Lesson 1:** Animal Agriculture

**Lesson 1.2:** Beef Production in Oklahoma

State Orientation to Agriculture in Society Standards:

**OAS 3.02** Describe animal agricultural production in Oklahoma, focusing on key regions, major operations, and economic impacts

**OAS 3.03** Sketch production systems, cycles, and phases for livestock production

**OAS 3.04** Describe the impact of livestock animals in Oklahoma

National AFNR Standards:

**AS.01** Analyze historic and current trends impacting the animal systems industry

**FPS.06** Analyze the interaction among AFNR systems in the production, processing and management of food, fiber, and fuel and the sustainable use of natural resources

**FPS.02** Evaluate the nature and scope of the agriculture, food & natural resources in society and the economy

Student Learning Objectives:

1. Students will discuss the beef industry in Oklahoma, including the economic and societal benefits of agriculture
2. Students will sketch the production systems, cycles, and phases of beef production in Oklahoma

Outside Resources

1. Ag in the Classroom
   1. [The Remarkable Ruminant](https://agclassroom.org/matrix/lesson/604/) (OAS 3.03, OAS 3.04)
      1. **Lesson and Activity –** In this lesson, students will follow the farm to fork process of producing beef, learn how cattle and other ruminants convert grass into nutrient-rich foods such as milk and meat, discover ways cattle recycle food waste, and identify careers in the beef cattle industry.
2. AgEd Net
   1. [Beef Lesson Library](https://www.agednet.com/menula.shtml) (OAS 3.02, OAS 3.03, OAS 3.04)
      1. **Lesson Plan, Slideshows, Puzzles, Worksheets-** This library of resources provides a variety of different lesson plans. LA150 achieves the standards listed above.
      2. his unit includes Bingo, recall matches, and flash cards with terminology to help students remember common terminology used in animal agriculture.
3. University of Florida
   1. [UFL Beef Cattle Operations Worksheet](https://aec.ifas.ufl.edu/media/aecifasufledu/teacher-repository/Beef-Industry---Cattle-Operations.docx)
      1. **Worksheet-** This resource guides students through filling in a chart that has descriptions, characteristics, and pictures. The second half of the resource is Florida specific.

State Resource

Beef Notebook Resources

1. [OAS Unit 2 Lesson 2.2 Beef in Oklahoma PowerPoint](https://officemgmtentserv-my.sharepoint.com/:p:/r/personal/cody_dean_careertech_ok_gov/_layouts/15/Doc.aspx?sourcedoc=%7B891E91DC-F4A4-42E2-BA50-E58FB999AC03%7D&file=Presentation.pptx&action=editnew&mobileredirect=true&wdPreviousSession=5a811584-2d57-409e-be0c-180360789032&wdNewAndOpenCt=1741526856069&wdo=4&wdOrigin=wacFileNew&wdTpl=blankNew&wdPreviousCorrelation=c070a1da-d6c9-4658-b422-06fbf9144edb&wdnd=1)