

Dealing with Drought: Managing Grazing to Benefit Wildlife

Media Type: iCEV Segment

Duration: 8 minutes

Goal: To provide insight into a grazing management strategy which can benefit wildlife during a drought.

Description: Proper grazing management during a drought is a vital part of rangeland management. This segment presents grazing management strategies which can be used during a drought to maintain a livestock operation and increase the quality of available wildlife habitat simultaneously.

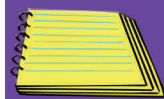
Objectives:

1. To describe grazing management strategies during a drought.
2. To describe competition between livestock and wildlife in a drought.
3. To present a strategy which can be used to maintain livestock grazing while improving rangeland habitat for wildlife.

Horizontal Alignment

Core-Subject Area	Foundation Concept	Basic Understanding
Language Arts	<i>Application of Writing Skills</i>	<ul style="list-style-type: none">• Editing/proofreading• Composition mechanics• Vocabulary enhancement
	<i>Analysis of Text & Information</i>	<ul style="list-style-type: none">• Expression of thoughts and ideas• Communication skills• Developing listening and comprehension skills
	<i>Technology Applications in Literature</i>	<ul style="list-style-type: none">• Utilizing document processing software• Internet-based research
Science	<i>Scientific Thinking & Investigating</i>	<ul style="list-style-type: none">• Technology-based research

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Lesson Plan



Video
11 min.

Begin by distributing the *Vocabulary Handout* and *Worksheet* for the students to fill in as they view the production. Show the *Dealing with Drought: Managing Grazing to Benefit Wildlife* segment. After completing the segment, hand out the *Grazing Management Activity* which can be completed in class. The *Diet Discovery Project* can be completed outside of class.



Lab Activity

Grazing Management

Directions:

Distribute the *Grazing Management Activity* sheet. Divide the class into three groups and assign each group a unique stocking rate (low, medium or high). Instruct each group to answer the questions provided as a group with each student recording the answers on their own sheet. Upon completion, have each group discuss their answers with the class.



Project

Diet Discovery

Directions:

Distribute the *Diet Discovery Project* sheet. Ask students to select one livestock and one wildlife species known to inhabit their state. Have them research the diets of each species, then have them compare and contrast the diets of each species in a typed report. The report may be presented to the class or simply turned in for a grade.



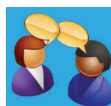
Lesson Links

Rangeland Management Before, During and After a Drought.

- <http://ag.arizona.edu/pubs/natresources/az1136.pdf>

Pasture and Grazing Management Under Drought Conditions.

- <http://msucare.com/pubs/publications/p2710.pdf>



Career & Technical Student Organizations

Society for Range Management

- Student Section

FFA

- Range Management
- Livestock Management

The Wildlife Society

- Student Section



Career Connections

Using the *Career Connections Activity*, allow students to explore the various careers associated with this lesson. See the *Activity* for more details. *If student licenses have been purchased:* Students will select the interviews to watch based on your directions. *If only a teacher license is purchased:* Show students all the career interviews and instruct them to only complete the interview form for the required number of interviews.

- iCEV50044, Jim Johnson, Cattle Producer,
- iCEV50082, Chris Skaggs, Ph.D., Associate Professor, Animal Science, Texas A&M University
- iCEV50092, Mike Wallace, Sheep Operations Manager, U.S. Meat Animal Research Center