

# RANCH Stewardship



## Activity Book

TEXAS A&M  
**AGRI**LIFE  
EXTENSION

**Texas A&M AgriLife Extension Service**

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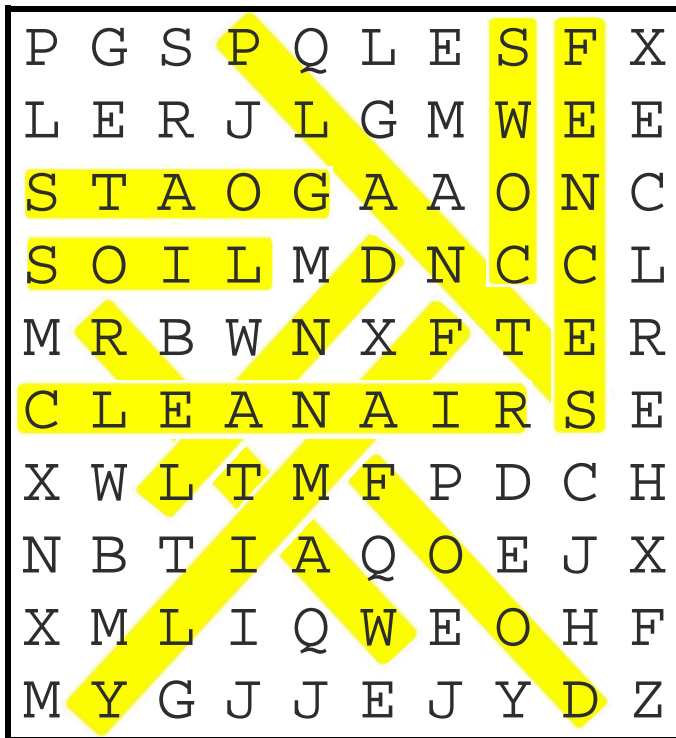
Andrew James

**USDA** Renewable  
Resources  
Extension  
Act

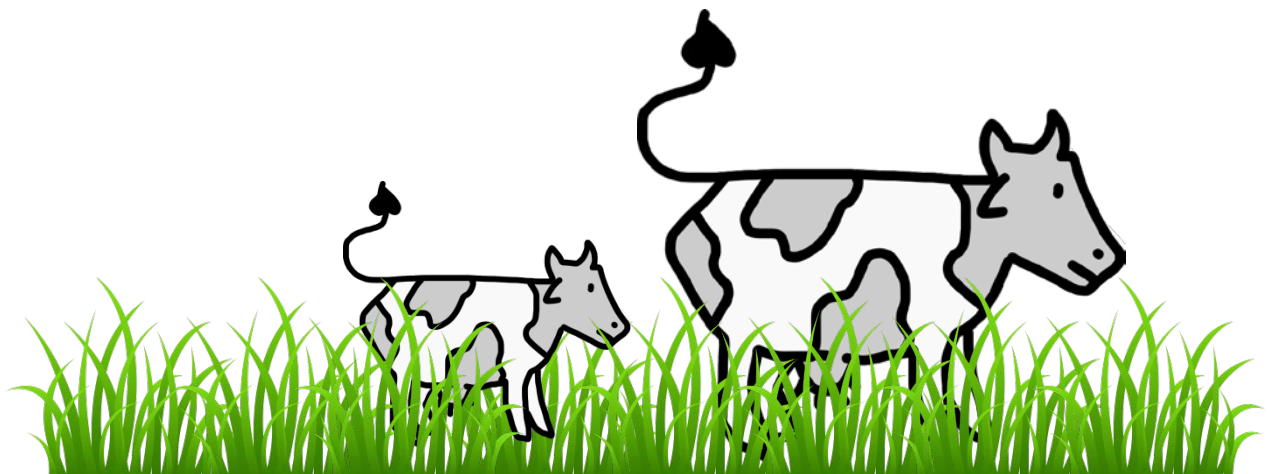
# STEWARDSHIP

## Word Search

Ranchers are stewards of their land. What is stewardship? Stewardship is the responsible planning and management of resources. Find each related term in the word search puzzle below.



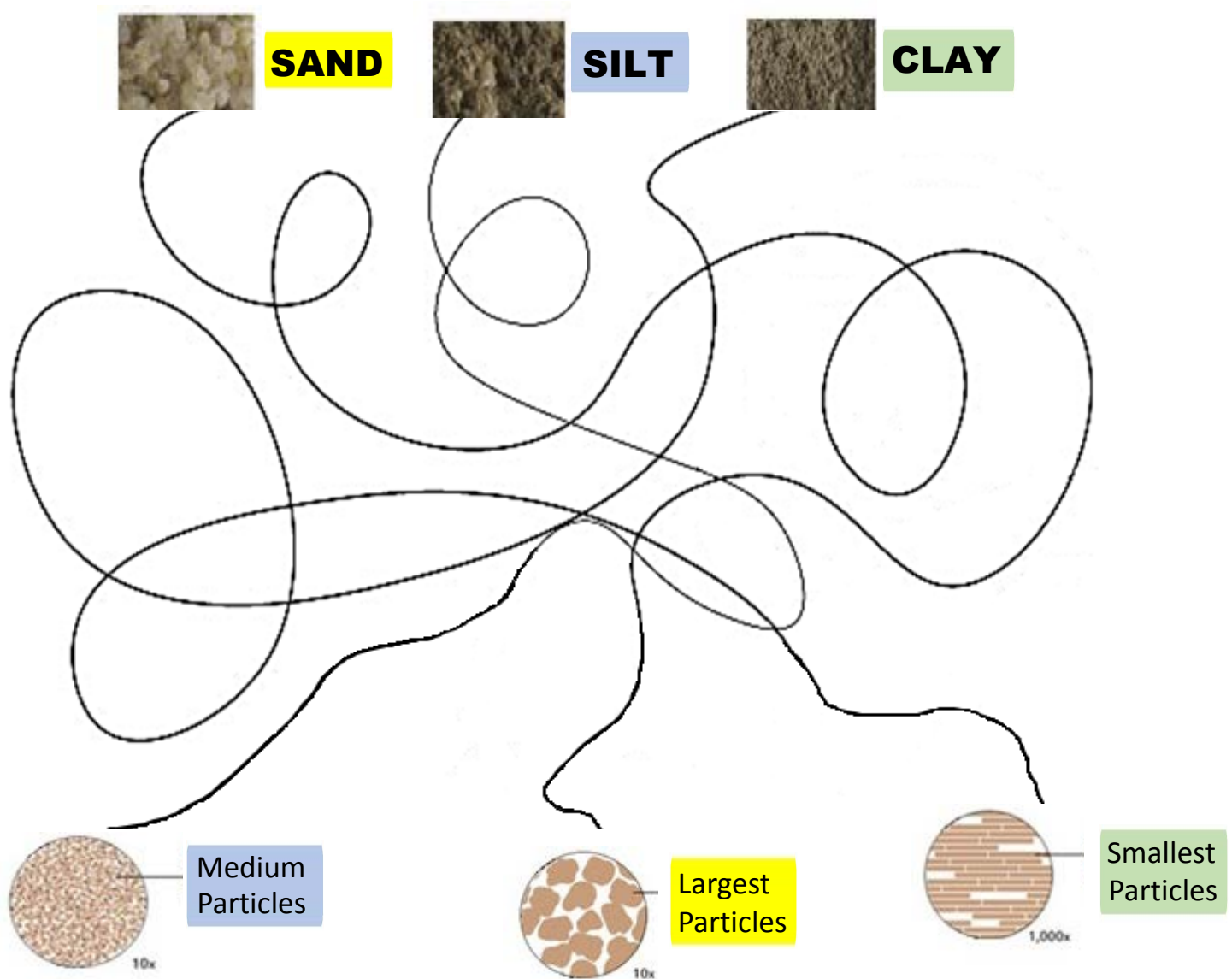
Cows  
Land  
Plants  
Goats  
Water  
Fences  
Soil  
Food  
Clean Air  
Family



# Soil

## Crazy Maze

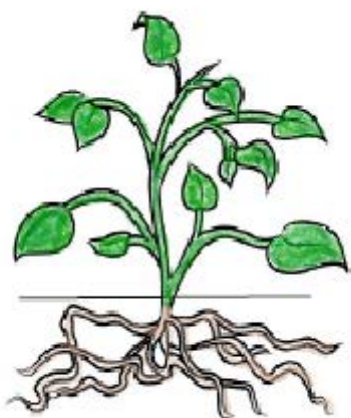
The soil type on rangelands determines what plants can successfully grow. Soil is mostly made up of a combination of the following three minerals: 1) sand, 2) silt, and 3) clay. Take each mineral through the maze to find out the size of each of their particles relative to each other!



# Plants

## Coloring Page

Each plant on rangeland serves a purpose. Plants are important to our ecosystems because they clean the air and rainwater. Plant roots help stabilize our soils and prevent erosion. Color the pictures of the main plant groups on rangelands: forbs/weeds, grasses, and brush/trees.

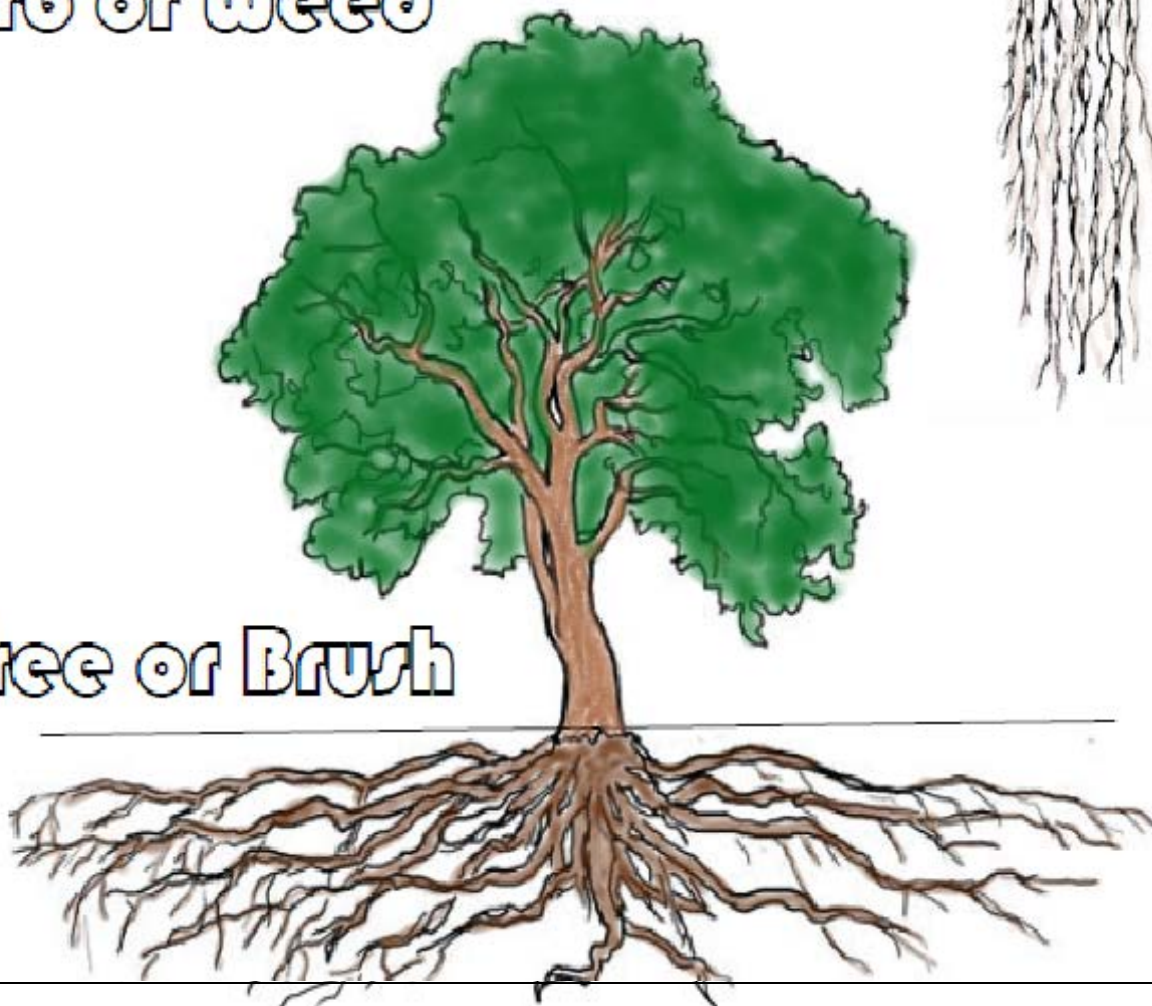


Forb or Weed

Grass



Tree or Brush



# LAND MANAGEMENT TOOLS

## Matching Definitions

To keep rangeland plants productive, ranchers must use management tools to improve the land and decrease invasive plant species. Draw a line from each management tool to the matching description box on the right.



### Chemical tool: Backpack sprayer

A backpack sprayer is a tool that consists of a tank, pressurizing device, and sprayer nozzle used to apply chemicals to invasive plants.

### Biological tool: Grazing

Grazing livestock can be an effective tool to manage invasive trees and weeds and feeding the animals at the same time!

### Mechanical tool: Grubber

Grubbers are sharp, U-shaped blades mounted on tractors to uproot individual trees, keeping them from growing back.

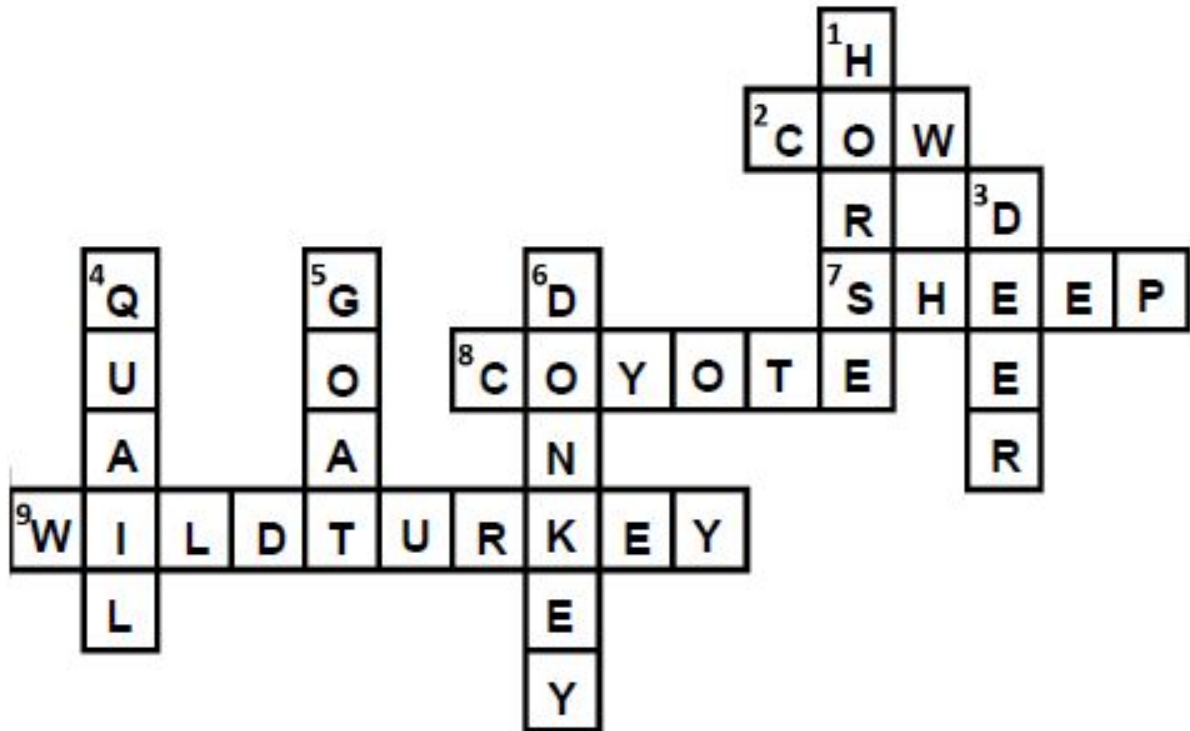
### Prescribed fire: Drip torch

Drip torches are used to ignite the fire front to manage weeds and suppress invasive woody vegetation.

# ANIMALS

## Crossword Puzzle

Ranches provide shelter, food, cover, and water to many different animals, both wild and domestic. See if you can use the descriptions of the animals to fill in the crossword puzzle.



### Across

- 2 Animal that provides us with milk and food, such as hamburgers
- 7 Animal that grows wool we can use to make clothes
- 8 Wild animal from the dog family that howls at night
- 9 Wild bird whose young are called "poults" and is associated with Thanksgiving

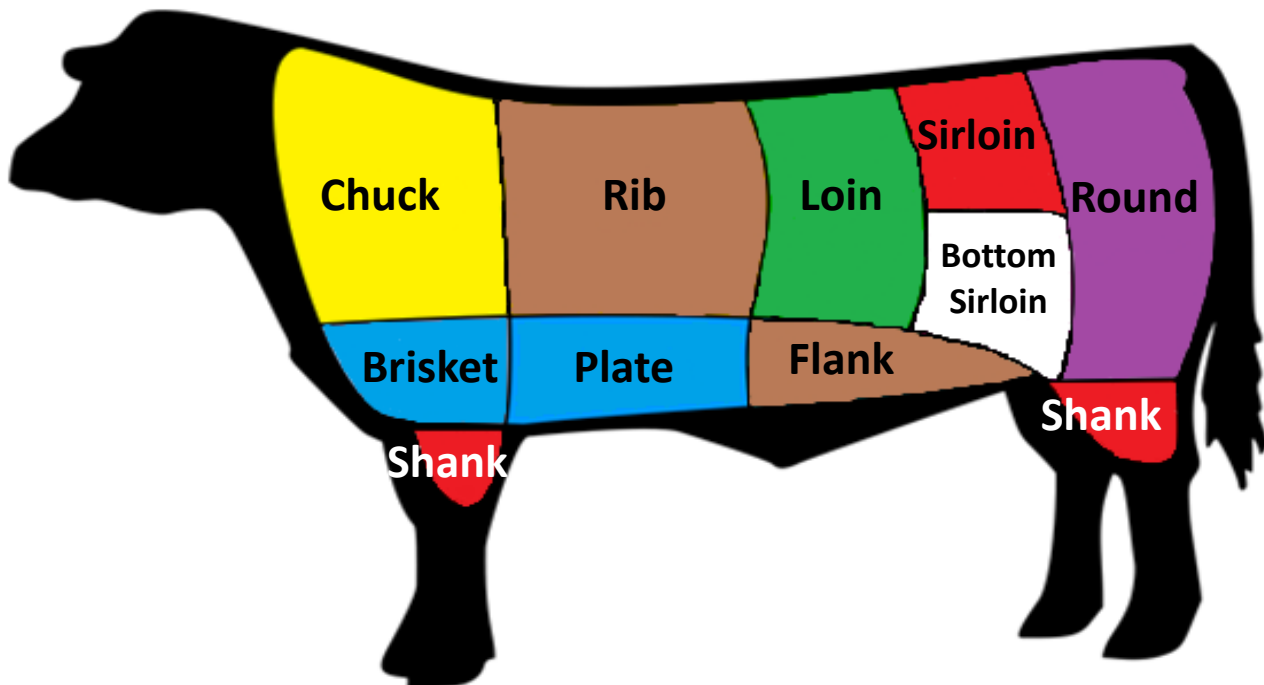
### Down

- 1 Animal used by ranchers to help gather livestock
- 3 Mammal that has spots when young and prefers to eat forbs and brush
- 4 Small bird that prefers to stay in groups called "coveys" and nest on the ground
- 5 Farm animal that may have horns and a beard and their young are called "kids"
- 6 Similar to a horse, but often used as a guard animal for livestock

# BEEF FOR DINNER!

## Color Coding

Cattle raised on ranches provide nutritious food for people all around the world. The common types of beef we purchase are listed below beside the name of the standard cut. Locate the standard cut on the cow to discover what color corresponds to that number. On the following page (pg. 7), color all the sections with that number written in them to reveal a picture.



#	Standard Beef Cut	Sold As
1	Chuck	Chuck Roast, Flat Iron Steak, Shoulder Roast
2	Round	Rump Roast, Round Steak
3	Loin	T-bone Steak, Tenderloin Steak/Roast, New York Strip
4	Rib	Rib Roast, Ribeye Steak, Back Ribs
5	Flank	Flank Steak
6	Bottom Sirloin	Sirloin Steak, Tri-Tip Steak/Roast, Fajitas
7	Shank	Stew
8	Sirloin	Tenderloin Steak/Roast, Top Sirloin Steak
9	Plate	Short Ribs, Skirt Steak, Fajitas
10	Brisket	Brisket
*	All cuts	Hamburger





# TEXAS A&M AGRI LIFE EXTENSION

Funding for this project was provided by the  
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Watch our fun video  
"Can't Stop Ranching" at:

<https://www.youtube.com/watch?v=Y7b4ScmoN20>



For more information on where our food comes  
from, visit [PathToThePlate.tamu.edu](http://PathToThePlate.tamu.edu)