

# RANGE

## 3 or 4 Member Team

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### I. PURPOSE

This event helps students to develop an interest in the industry that helps feed our state and nation. This program is taught in the agriculture curriculum to help enhance the higher thinking skills of its participants. The Range CDE and its supporting instruction helps students understand the ways to better improve and conserve our natural resources of rangeland. This event provides opportunity for mastery of foundational knowledge and understanding contributing to future learning and success in college level coursework related to range management, soil evaluation and plant identification.

### II. EVENT FORMAT

#### A. Team Make-up

1. Three or four individuals per school form a team.
2. All members will be scored and the top three scores will count towards the team total.
3. A member who has participated previously as a member of the winning team in the State or National Range CDE shall **NOT** be eligible for the Range CDE again. Members who participate in the National Range Event and are not on the state or national winning team are eligible to participate.

#### B. Equipment

1. Team members must provide their own compliant transparent plastic clipboard and/or clean folder with the following items: scan sheet, and/or copy of the scan sheet, optional Texas FFA CDE drop sheet, and/or 2 sheets of lined or unlined blank paper.
2. A clear plastic bag may be used to keep materials clean and dry when inclement weather threatens.
3. Books, paper, rulers, or other material are not permitted.
4. Scan sheets and #2 pencils must be furnished by the contestant.
5. Students wishing to record their answers may do so on a clean, blank copy of the scan sheet or on the official range judging drop sheet.
6. This is an outdoor event. Students should be appropriately dressed in compliance to state CDE standards and in attire suitable for this CDE.

#### C. Event Format

1. Two Ecological sites will be used worth 150 points each.
  - a. These two sites will be generally square or rectangular in shape. The sides will be clearly marked with ribbon, tape or etc. and contestants are not permitted inside the enclosure, unless a designated walk-way is provided.
  - b. Division I of the Ecological site is evaluated for:  
Type of ecological site ..... 25 points

- Similarity Index.....40 points
- Habitat rating .....20 points
- Beef Cattle Limiting Factors..... 15 points
- c. Division II of the Ecological site is for recommended management practices- Five points each for a total of 50 points per site
- d. 20 minutes will be allowed to evaluate each site.
- ~~e. An additional five minutes will be allotted at the last rotation to complete paperwork. An additional ten minutes will be allotted at the last rotation to complete paperwork.~~

2. Plant Identification and Evaluation

- a. This phase of the event will consist of 30 plants listed in the Texas Plant List, broken into three 20 minutes segments.
- b. Each plant will be marked with a numbered stake.
- c. Students should write the plant number (back of scorecard) on the line of the scorecard corresponding to the number on the stake. (Example - If the student is stationed at the plant marked with stake three, he/she will write in the plant number on line three of the scorecard).
- d. Students will move through the plant line at their own pace. Each contestant is allowed 20 minutes to identify 10 plants. The time keeper will give an audible five minute warning letting the contestants know time is almost up.
- e. Any student found handling the plant will be disqualified.
- ~~f. Each plant will be worth a total of 10 points. Five points will be given for correct identification of plant. Each characteristic will be worth one point. No points will be awarded for characteristics marked on incorrectly identified plants. Each plant will be worth a total of 15 points. Ten points will be given for correct identification of each plant. Each characteristic will be worth one point. No points will be awarded for characteristics marked on incorrectly identified plants.~~

### III. SCORING

Plant ID	<del>300</del> 450 Points
Ecological Sites (x2)	150 Points Each
<b>TOTAL INDIVIDUAL POINTS</b>	<b><del>600</del> 750 Points</b>
<b>TOTAL TEAM VARIABLE</b>	<b><del>1,800</del> 2250 Points</b>

### IV. TIEBREAKER

In case ties occur for team awards, they will be broken as follows:

1. The team with the highest score in plant identification will win, or if still tied,
2. The team with the high score alternate will win, or if still tied,
3. The team will be accompanied by their advisor and will meet with contest officials who will conduct a coin toss to determine the higher placing team.

In case ties occur for individual awards, they will be broken as follows:

1. The individual with the highest score in plant identification will win, or if still tied.
2. The individual with the highest score in first ecological site, or if still tied,
3. The individuals will be accompanied by their advisor and will meet with contest officials who will conduct a coin toss to determine the higher placing individual.

### V. References

The Texas Range ID list can be found on  
[www.judgingcard.com/resources/list.aspx](http://www.judgingcard.com/resources/list.aspx)

~~“Oklahoma Land Judging Made Easy”~~

landjudging.com

Texas FFA Range Evaluation and Management Guide

DRAFT

2017-21 Texas Range CDE Plant Identification List

<b>ID</b>	<b>Description</b>	<b>Habitat</b>	<b>Season</b>	<b>Origin</b>	<b>Invasive</b>	<b>Food Value</b>
01	Annual Threeawn	Annual	Warm	Native	Non-Invasive	Undesirable
02	Annual Brome	Annual	Cool	Introduced	Invasive	Undesirable
03	Bermudagrass	Perennial	Warm	Introduced	Invasive	Desirable
04	Big Bluestem	Perennial	Warm	Native	Non-Invasive	Desirable
05	Blue Grama	Perennial	Warm	Native	Non-Invasive	Desirable
06	Broomsedge Bluestem	Perennial	Warm	Native	Non-Invasive	Undesirable
07	Buffalograss	Perennial	Warm	Native	Non-Invasive	Desirable
08	Curly Mesquite	Perennial	Warm	Native	Non-Invasive	Desirable
09	Eastern Gamagrass	Perennial	Warm	Native	Non-Invasive	Desirable
10	Fall Witchgrass	Perennial	Warm	Native	Non-Invasive	Desirable
11	Hairy Grama	Perennial	Warm	Native	Non-Invasive	Desirable
12	Hairy Tridens	Perennial	Warm	Native	Non-Invasive	Undesirable
13	Indiangrass	Perennial	Warm	Native	Non-Invasive	Desirable
14	Johnsongrass	Perennial	Warm	Introduced	Invasive	Desirable
15	Little Barley	Annual	Cool	Introduced	Invasive	Undesirable
16	Little Bluestem	Perennial	Warm	Native	Non-Invasive	Desirable
17	Old World Bluestem	Perennial	Warm	Introduced	Invasive	Desirable
18	Perennial Dropseed	Perennial	Warm	Native	Non-Invasive	Desirable
19	Perennial Threeawn	Perennial	Warm	Native	Non-Invasive	Undesirable
20	Purpletop	Perennial	Warm	Native	Non-Invasive	Undesirable
21	Red Grama	Perennial	Warm	Native	Non-Invasive	Undesirable
22	Sand Dropseed	Perennial	Warm	Native	Non-Invasive	Desirable
23	Sand Lovegrass	Perennial	Warm	Native	Non-Invasive	Desirable
24	Scribner Panicum	Perennial	Cool	Native	Non-Invasive	Desirable
25	Sedge	Perennial	Cool	Native	Non-Invasive	Desirable
26	Sideoats Grama	Perennial	Warm	Native	Non-Invasive	Desirable
27	Silver Bluestem	Perennial	Warm	Native	Non-Invasive	Undesirable
28	Splitbeard Bluestem	Perennial	Warm	Native	Non-Invasive	Undesirable
29	Switchgrass	Perennial	Warm	Native	Non-Invasive	Desirable
30	Texas Bluegrass	Perennial	Cool	Native	Non-Invasive	Desirable
31	Texas Grama	Perennial	Warm	Native	Non-Invasive	Undesirable
32	Texas Wintergrass	Perennial	Cool	Native	Non-Invasive	Desirable
33	Tumblegrass	Perennial	Warm	Native	Non-Invasive	Undesirable

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34	Vine Mesquite	Perennial	Warm	Native	Non-Invasive	Desirable
35	Weeping Lovegrass	Perennial	Warm	Introduced	Non-Invasive	Desirable
36	Western Wheatgrass	Perennial	Cool	Native	Non-Invasive	Desirable
37	Wildrye	Perennial	Cool	Native	Non-Invasive	Desirable
38	Windmillgrass	Perennial	Warm	Native	Non-Invasive	Undesirable
39	Catclaw Sensitivebriar	Perennial	Warm	Native	Non-Invasive	Desirable
40	Bundleflower	Perennial	Warm	Native	Non-Invasive	Desirable
41	Prairie Clover	Perennial	Warm	Native	Non-Invasive	Desirable
42	Scurfpea	Perennial	Cool	Native	Non-Invasive	Undesirable
43	Slender Dalea	Perennial	Warm	Native	Non-Invasive	Desirable
44	Vetch	Annual	Cool	Introduced	Non-Invasive	Desirable
45	Yellow Neptune	Perennial	Warm	Native	Non-Invasive	Desirable
46	Annual Sunflower	Annual	Warm	Native	Non-Invasive	Desirable
47	Antelopehorn Milkweed	Perennial	Cool	Native	Non-Invasive	Undesirable
48	Beebalm	Annual	Warm	Native	Non-Invasive	Undesirable
49	Common Broomweed	Annual	Warm	Native	Non-Invasive	Undesirable
50	Compass Plant	Perennial	Warm	Native	Non-Invasive	Desirable
51	Croton	Annual	Warm	Native	Non-Invasive	Undesirable
52	Curlycup Gumweed	Perennial	Warm	Native	Non-Invasive	Undesirable
53	Daisy Fleabane	Annual	Cool	Native	Non-Invasive	Undesirable
54	Dotted Gayfeather	Perennial	Warm	Native	Non-Invasive	Undesirable
55	Engelmann Daisy	Perennial	Cool	Native	Non-Invasive	Desirable
56	Giant Ragweed	Annual	Warm	Native	Non-Invasive	Undesirable
57	Halfshrub Sundrop	Perennial	Warm	Native	Non-Invasive	Undesirable
58	Heath Aster	Perennial	Warm	Native	Non-Invasive	Undesirable
59	Horseweed	Annual	Warm	Native	Non-Invasive	Undesirable
60	Maximilian Sunflower	Perennial	Warm	Native	Non-Invasive	Desirable
61	Pepperweed	Annual	Cool	Native	Non-Invasive	Desirable
62	Prairie Coneflower/Mexican Hat	Perennial	Warm	Native	Non-Invasive	Undesirable
63	Plains Yucca	Perennial	Cool	Native	Non-Invasive	Undesirable
64	Prickly Pear Cactus	Perennial	Warm	Native	Invasive	Undesirable
65	Sagewort	Perennial	Warm	Native	Non-Invasive	Undesirable
66	Silverleaf Nightshade	Perennial	Warm	Native	Non-Invasive	Undesirable

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67	Snow-on-the-Mountain	Annual	Warm	Native	Non-Invasive	Undesirable
68	Wax Goldenweed	Annual	Warm	Native	Non-Invasive	Undesirable
69	Western Ironweed	Perennial	Warm	Native	Non-Invasive	Undesirable
70	Western Ragweed	Perennial	Warm	Native	Non-Invasive	Undesirable
71	Yarrow	Perennial	Cool	Native	Non-Invasive	Undesirable
72	Blackjack Oak	Perennial	Warm	Native	Non-Invasive	Undesirable
73	Cedar	Perennial	Cool	Native	Invasive	Undesirable
74	Buttonbush	Perennial	Warm	Native	Non-Invasive	Undesirable
75	Chittamwood	Perennial	Warm	Native	Non-Invasive	Desirable
76	Eastern Cottonwood	Perennial	Warm	Native	Non-Invasive	Desirable
77	Elm	Perennial	Warm	Native	Non-Invasive	Desirable
78	Fragrant Sumac/Skunkbush	Perennial	Warm	Native	Non-Invasive	Undesirable
79	Greenbriar	Perennial	Warm	Native	Non-Invasive	Desirable
80	Hackberry	Perennial	Warm	Native	Non-Invasive	Desirable
81	Sumac	Perennial	Warm	Native	Non-Invasive	Undesirable
82	Live Oak	Perennial	Warm	Native	Non-Invasive	Undesirable
83	Mesquite	Perennial	Warm	Native	Invasive	Undesirable
84	Post Oak	Perennial	Warm	Native	Non-Invasive	Undesirable
85	Plum	Perennial	Warm	Native	Non-Invasive	Undesirable
86	Redbud	Perennial	Warm	Native	Non-Invasive	Desirable
87	Soapberry	Perennial	Warm	Native	Non-Invasive	Undesirable
88	Blackeyed Susan	Annual	Warm	Native	Non-Invasive	Undesirable
89	Wood Sorrell	Annual	Cool	Native	Non-Invasive	Undesirable
90	Blackberry/Dewberry	Perennial	Warm	Native	Invasive	Undesirable