



## **Land Judging Junior CDE**

### **Purpose**

The purpose of the junior division Land Judging Career Development Event is to stimulate interest, encourage proficient development and excellence in land management as taught in agricultural education in grades six through ten.

### **State Event Superintendent**

The superintendent for this event Mrs. Shelby Robertson, State FFA Coordinator, Department of Agricultural and Human Sciences, NC State University, Box 7654, Raleigh, NC 27695-7654  
Phone: 919.513.1206 Fax: 919.513.0216

Questions and comments can be directed to Mr. Jason Chester, Central Region Coordinator, 444 Bristol Dr, Statesville, NC 28677. Phone: 704.213.1335, Email: [jdcheste@ncsu.edu](mailto:jdcheste@ncsu.edu)

### **Eligibility and General Guidelines**

This event is open to all FFA members in grades 6–10 from FFA chapters in good standing. All FFA members in grades 6-10 are eligible to participate in any junior career development event regardless of past participation. Members of the chapter hosting the event are not eligible to participate.

Each chapter may send one team to compete at the state event. Teams shall consist of three or four members. The top three scores will count towards the team total. The fourth lowest team member score is not considered except in the case of a tie. No alternates are allowed in state events. Any alternate found participating in a state event will result in team disqualification.

FFA members and advisors may not visit the site of a state career development event within seven days of the start of the event. Teams that violate this rule will be disqualified.

FFA members in good standing may also participate as individuals in this event. A chapter may have up to two members participate as individuals as long as the chapter does not have a team participating in the event. Their scores will only count toward individual recognition, and will not be tallied as a team score.

The use or possession of cellular phones or any other mobile electronic communication device is prohibited during any state-level career development event. Any violation of this rule by any team member will result in total team disqualification.

Any member found cheating in any state-level career development event will result in total team disqualification for that event.



The North Carolina FFA Association, in keeping with the FFA mission and purposes, does not permit the use of tobacco products, e-cigarettes, vapes, or Juuls at any FFA facility or at any FFA activity.

In compliance with the Americans with Disabilities Act, North Carolina FFA will honor requests for reasonable accommodations made by individuals with disabilities. Please direct accommodation requests through the CDE/LDE Accommodation Request [Form](#). If the accommodation can be made for all and/or doesn't provide an unfair advantage, then every effort will be made to provide the accommodation. Requests can be accommodated more effectively if notice is provided at least 10 days before the event.

### **Middle School Participation**

Middle school students and teams may participate in any Career Development Event or Leadership Development Event. The top three middle school participants will be recognized at the state FFA convention. Middle school participants should designate during registration.

### **Dress Code**

Participants are required to follow the North Carolina FFA Career Development Event Dress Code. Participants are allowed to wear long pants, an appropriate shirt with a collar or an appropriate high school or FFA t-shirt.

The North Carolina FFA Association strives to promote a positive image at all Official FFA Events. The dress code policy was established to address the issue of appropriate attire at all Official FFA Events. Members should adhere to this policy for all events. A ten percent reduction will be applied to all individual scores from a chapter if a participant from that chapter violates the dress code during that career development event.

### **Procedures for Administering the Event**

The [Handbook of Land Judging in North Carolina](#) contains information and other materials related to the contest.

Procedures for setting up a contest are described in the Appendix of the handbook.

### **Scoring and Related Items**

1. All judge cards will be completed by contest officials before the contest begins.
2. The official judge will check to ensure that all official answers conform to the information in the handbook.
3. Land treatments will be scored as follows:
  - a. When possible, equal value will be assigned to all applicable treatments (e.g. 5 points each for 6 treatments). When that is not possible, some treatments will be assigned a 1-point higher value than others. The higher values will arbitrarily be assigned in order beginning



with the first treatment selected by the judges (e.g. 5 points for the first 2 treatments when there are a total of 7 treatments).

- b. The treatments indicated by the student will be considered until the student has selected a number of treatments equal to the number selected by the judges.

Ex: the judges selected 7 treatments, and treatment 20 represents the participant's 7<sup>th</sup> selection. No consideration will be given to the marked selections below treatment 20. In cases where the student selects fewer treatments than the judges, all marked treatments will be scored.

| <b>Event Scoring Summary</b>                 |                         |
|--|-------------------------|
| Part 1 – Soil Characteristics                | Max 43 points/site      |
| Part 2 – Land Capability Classes             | Max 10 points/site      |
| Part 3 – Recommended Land Treatments         | Max 27 points/site      |
| Part 4 – Urban Uses                          | Max 15 points/site      |
| Part 5 – Special Environmental Concerns      | Max 5 points/site       |
| <i>Individual Participant Total Per Pit:</i> | <i>Max 100 points</i>   |
| <i>Total Team Score (Top 3 Scores):</i>      | <i>Max 1,200 points</i> |

### **Procedure for Determining the State Event Winner When Scores are Tied**

In the event a tie score exists, apply the following methods in sequential order until the tie is broken:

1. Compare the alternate scores. The lowest team member score is the alternate score.
2. If this method fails to break the tie, co-winners will be declared.

### **Procedure for Determining the State Event Winner When Scores are Tied for Individual Participants**

Ties in scores between individuals will be broken by comparing the scores of the portion/section of the event that carries the highest point value: Soil Characteristics, Recommended Land Treatments, Urban Uses, Land Capability Class and Special Environmental Concerns

### **State Awards**

The awards for the state event will be presented annually on site at the conclusion of the state event to include a team 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place certificate and a travel monetary award. At the state FFA convention awards will be presented including a team 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place plaque.

### **Bibliography**

The [Handbook of Land Judging in North Carolina](http://ncffa.org/Web%20Files/Chapter%20Guide/Land_Jdg_Handbook.Sept.2009.pdf) contains information and other materials related to the contest may be accessed at the ncffa.org website at [http://ncffa.org/Web%20Files/Chapter%20Guide/Land\\_Jdg\\_Handbook.Sept.2009.pdf](http://ncffa.org/Web%20Files/Chapter%20Guide/Land_Jdg_Handbook.Sept.2009.pdf)



North Carolina Land - Form #601NC-1

Team Name / Additional Info

| Team # | Last Name | First Name |
|--------|-----------|------------|
| 0      |           |            |
| 1      | A         | A          |
| 2      | B         | B          |
| 3      | C         | C          |
| 4      | D         | D          |
| 5      | E         | E          |
| 6      | F         | F          |
| 7      | G         | G          |
| 8      | H         | H          |
| 9      | I         | I          |
|        | J         | J          |
|        | K         | K          |
|        | L         | L          |
|        | M         | M          |
|        | N         | N          |
|        | O         | O          |
|        | P         | P          |
|        | Q         | Q          |
|        | R         | R          |
|        | S         | S          |
|        | T         | T          |
|        | U         | U          |
|        | V         | V          |
|        | W         | W          |
|        | X         | X          |
|        | Y         | Y          |
|        | Z         | Z          |

Division

Junior  J

Senior  S

Contestant #

1

2

3

4

5

6

7

8

9

**Part I - Total Soil Characteristics**

| SLOPE                     | 1 | 2 | 3 | 4 |
|---------------------------|---|---|---|---|
| 1 0-2% Nearly level       | 1 | 2 | 3 | 4 |
| 2 2-6% Gently sloping     | 1 | 2 | 3 | 4 |
| 3 6-10% Sloping           | 1 | 2 | 3 | 4 |
| 4 10-15% Strongly sloping | 1 | 2 | 3 | 4 |
| 5 15-25% Steep            | 1 | 2 | 3 | 4 |
| 6 25% + Very steep        | 1 | 2 | 3 | 4 |
| DRAINAGE                  | 1 | 2 | 3 | 4 |
| 1 Well                    | 1 | 2 | 3 | 4 |
| 2 Moderately Well         | 1 | 2 | 3 | 4 |
| 3 Somewhat Poorly         | 1 | 2 | 3 | 4 |
| 4 Poorly                  | 1 | 2 | 3 | 4 |
| 5 Very Poorly             | 1 | 2 | 3 | 4 |
| FLOODING                  | 1 | 2 | 3 | 4 |
| 1 No hazard               | 1 | 2 | 3 | 4 |
| 2 Potential hazard        | 1 | 2 | 3 | 4 |
| 3 In flood plain          | 1 | 2 | 3 | 4 |
| SURFACE WATER REMOVAL     | 1 | 2 | 3 | 4 |
| 1 Rapid                   | 1 | 2 | 3 | 4 |
| 2 Moderate                | 1 | 2 | 3 | 4 |
| 3 Slow                    | 1 | 2 | 3 | 4 |
| 4 Very slow               | 1 | 2 | 3 | 4 |

**Part II - Land Capability Class**

| CLASS   | 1 | 2 | 3 | 4 |
|---------|---|---|---|---|
| 1 I     | 1 | 2 | 3 | 4 |
| 2 IIe   | 1 | 2 | 3 | 4 |
| 3 IIs   | 1 | 2 | 3 | 4 |
| 4 IIw   | 1 | 2 | 3 | 4 |
| 5 IIIe  | 1 | 2 | 3 | 4 |
| 6 IIIs  | 1 | 2 | 3 | 4 |
| 7 IIIw  | 1 | 2 | 3 | 4 |
| 8 IVe   | 1 | 2 | 3 | 4 |
| 9 IVs   | 1 | 2 | 3 | 4 |
| 10 IVw  | 1 | 2 | 3 | 4 |
| 11 VIe  | 1 | 2 | 3 | 4 |
| 12 VIs  | 1 | 2 | 3 | 4 |
| 13 VIIe | 1 | 2 | 3 | 4 |
| 14 VIIs | 1 | 2 | 3 | 4 |
| 15 VIII | 1 | 2 | 3 | 4 |

**Part I - Surface Layer (top 6 inches)**

| TEXTURE          | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 1 Sandy          | 1 | 2 | 3 | 4 |
| 2 Loamy          | 1 | 2 | 3 | 4 |
| 3 Clayey         | 1 | 2 | 3 | 4 |
| STRUCTURE        | 1 | 2 | 3 | 4 |
| 1 Single Grain   | 1 | 2 | 3 | 4 |
| 2 Granular       | 1 | 2 | 3 | 4 |
| 3 Blocky         | 1 | 2 | 3 | 4 |
| 4 Platy          | 1 | 2 | 3 | 4 |
| 5 Massive        | 1 | 2 | 3 | 4 |
| CONSISTENCE      | 1 | 2 | 3 | 4 |
| 1 Loose          | 1 | 2 | 3 | 4 |
| 2 Friable        | 1 | 2 | 3 | 4 |
| 3 Firm           | 1 | 2 | 3 | 4 |
| EROSION          | 1 | 2 | 3 | 4 |
| 1 None to slight | 1 | 2 | 3 | 4 |
| 2 Moderate       | 1 | 2 | 3 | 4 |
| 3 Severe         | 1 | 2 | 3 | 4 |

**Part I - Subsurface Layer**

| TEXTURE                    | 1 | 2 | 3 | 4 |
|----------------------------|---|---|---|---|
| 1 Sandy                    | 1 | 2 | 3 | 4 |
| 2 Loamy                    | 1 | 2 | 3 | 4 |
| 3 Clayey                   | 1 | 2 | 3 | 4 |
| STRUCTURE                  | 1 | 2 | 3 | 4 |
| 1 Single Grain             | 1 | 2 | 3 | 4 |
| 2 Granular                 | 1 | 2 | 3 | 4 |
| 3 Blocky                   | 1 | 2 | 3 | 4 |
| 4 Platy                    | 1 | 2 | 3 | 4 |
| 5 Massive                  | 1 | 2 | 3 | 4 |
| CONSISTENCE (Moist)        | 1 | 2 | 3 | 4 |
| 1 Loose                    | 1 | 2 | 3 | 4 |
| 2 Friable                  | 1 | 2 | 3 | 4 |
| 3 Firm                     | 1 | 2 | 3 | 4 |
| 4 Very Firm                | 1 | 2 | 3 | 4 |
| CONSISTENCE (Wet)          | 1 | 2 | 3 | 4 |
| 1 Non-Sticky               | 1 | 2 | 3 | 4 |
| 2 Sticky                   | 1 | 2 | 3 | 4 |
| 3 Very Sticky              | 1 | 2 | 3 | 4 |
| PERMEABILITY               | 1 | 2 | 3 | 4 |
| 1 Rapid                    | 1 | 2 | 3 | 4 |
| 2 Moderate                 | 1 | 2 | 3 | 4 |
| 3 Slow                     | 1 | 2 | 3 | 4 |
| 4 Very Slow                | 1 | 2 | 3 | 4 |
| DEPTH TO LIMITING LAYER    | 1 | 2 | 3 | 4 |
| 1 Very Shallow (<12")      | 1 | 2 | 3 | 4 |
| 2 Shallow (12-24")         | 1 | 2 | 3 | 4 |
| 3 Moderately Deep (24-36") | 1 | 2 | 3 | 4 |
| 4 Deep (>36")              | 1 | 2 | 3 | 4 |



**Part III - Recommended Land Treatments**

Answer all factors for all sites - 27 marks per site!

|                                      |   | 1 | 2 | 3 | 4 |
|--------------------------------------|---|---|---|---|---|
| <b>TILLAGE SYSTEMS</b>               |   |   |   |   |   |
| 1                                    | Conventional tillage, conserve crop residue | Y | N | Y | N |
| 2                                    | Conservation tillage, manage crop residue   | Y | N | Y | N |
| 3                                    | Long-Term No Till                           | Y | N | Y | N |
| <b>CONSERVATION CROPPING SYSTEMS</b> |   |   |   |   |   |
| 4                                    | Row crop each year                          | Y | N | Y | N |
| 5                                    | Soil conserving crop 1 year in 4            | Y | N | Y | N |
| 6                                    | Soil conserving crop 1 year in 3            | Y | N | Y | N |
| 7                                    | Soil conserving crop 1 year in 2            | Y | N | Y | N |
| 8                                    | Soil conserving crop 2 years in 3           | Y | N | Y | N |
| 9                                    | Soil conserving crop 3 years in 4           | Y | N | Y | N |
| <b>SUPPORTING PRACTICES</b>          |   |   |   |   |   |
| 10                                   | Contour farming                             | Y | N | Y | N |
| 11                                   | Strip cropping                              | Y | N | Y | N |
| 12                                   | Terrace and maintain terraces               | Y | N | Y | N |
| 13                                   | Construct diversion                         | Y | N | Y | N |
| 14                                   | Establish grassed waterway                  | Y | N | Y | N |
| 15                                   | Establish field border                      | Y | N | Y | N |
| 16                                   | Establish windbreak                         | Y | N | Y | N |
| 17                                   | Install water table control                 | Y | N | Y | N |
| 18                                   | Install surface water management            | Y | N | Y | N |
| 19                                   | Stabilize sediment source areas             | Y | N | Y | N |
| 20                                   | Establish recommended grass and/or legumes  | Y | N | Y | N |
| 21                                   | Plant recommended trees                     | Y | N | Y | N |
| <b>MANAGEMENT PRACTICES</b>          |   |   |   |   |   |
| 22                                   | Remove obstructions                         | Y | N | Y | N |
| 23                                   | Control grazing                             | Y | N | Y | N |
| 24                                   | Proper pasture management                   | Y | N | Y | N |
| 25                                   | Improve tree stand                          | Y | N | Y | N |
| 26                                   | Woodland protection                         | Y | N | Y | N |
| 27                                   | Harvest trees using recommended method      | Y | N | Y | N |

**Part IV - Soil Limitations for Urban Uses**

The soil characteristics judged in PART ONE determine the limitations of a soil for urban uses. Circle appropriate soil limitation for each urban use.

|                           |          | 1 | 2 | 3 | 4 |
|---------------------------|----------|---|---|---|---|
| <b>SEPTIC SYSTEMS</b>     |          |   |   |   |   |
| 1                         | Slight   | 1 | 2 | 3 | 4 |
| 2                         | Moderate | 1 | 2 | 3 | 4 |
| 3                         | Severe   | 1 | 2 | 3 | 4 |
| <b>BASEMENTS</b>          |          |   |   |   |   |
| 1                         | Slight   | 1 | 2 | 3 | 4 |
| 2                         | Moderate | 1 | 2 | 3 | 4 |
| 3                         | Severe   | 1 | 2 | 3 | 4 |
| <b>FOUNDATIONS</b>        |          |   |   |   |   |
| 1                         | Slight   | 1 | 2 | 3 | 4 |
| 2                         | Moderate | 1 | 2 | 3 | 4 |
| 3                         | Severe   | 1 | 2 | 3 | 4 |
| <b>SANITARY LANDFILLS</b> |          |   |   |   |   |
| 1                         | Slight   | 1 | 2 | 3 | 4 |
| 2                         | Moderate | 1 | 2 | 3 | 4 |
| 3                         | Severe   | 1 | 2 | 3 | 4 |
| <b>LANDSCAPING</b>        |          |   |   |   |   |
| 1                         | Slight   | 1 | 2 | 3 | 4 |
| 2                         | Moderate | 1 | 2 | 3 | 4 |
| 3                         | Severe   | 1 | 2 | 3 | 4 |

**Part IV - Special Environmental Concerns**

Mark True (T) or False (F) for each question for all sites - 5 marks per site!

|   |   | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| 1 | This appears to be a hydric soil. Check with authorities before draining and/or clearing site.  | T | F | T | F |
| 2 | Risk of groundwater contamination when wet (from soluble nutrients and/or certain pesticides).  | T | F | T | F |
| 3 | Deep leaching of soluble nutrients may restrict rates of animal or municipal waste application. | T | F | T | F |
| 4 | Proximity to water body may restrict application of certain pesticides and waste materials.     | T | F | T | F |
| 5 | High risk of off-site damage from eroding sediments if vegetative cover is destroyed or absent. | T | F | T | F |

