

KANSAS FFA VIRTUAL AGRONOMY CDE – 2021

The following guidelines apply to the 2021 CDE in Agronomy. It will be presented online using a learning management system selected by State FFA and the College of Agriculture.

General Information

The rules are modified from the on-campus experience, but basically include all of the same components except seed analysis, which cannot be done virtually. The 2021 Kansas State CDE Agronomy Event rules include content details that are applicable.

For details or questions, please contact Dr. Kevin Donnelly, kjd@ksu.edu.

Competition Components

Identification (200 points)

Identification of grain crop plants and/or seeds; forage crop plants or seeds; weed plants or seeds. A total of 100 samples worth 2 points each will be identified from photos. Photos will be primarily of pressed plant samples as used in practice sets. A total of 60 minutes will be allowed to identify the 100 samples.

1. All event samples will come from the official identification list in the 2020 Kansas State CDE Agronomy Event rules.
2. A sequentially numbered master list of all possible crops and weeds will be provided online. It should be printed off in advance to make access easier while taking the exam. This will be different from the multiple choice format done on campus.
3. Samples will be identified by typing in the matching number from the master list.

Agronomic Quiz and Calculations (100 points)

This section will consist of 40 multiple choice questions worth 2 points each. Content will cover general agronomic topics as outlined in the 2020 rules. In addition, there will be 5 math problems worth 4 points each. The correct answer for the math problems will also be provided in a multiple choice list.

Lab Practicum (100 points)

This section will consist of 50 questions worth 2 points each. It will be a general

knowledge practicum covering topics outlined in the 2020 rules. It will include diseases, insects and machinery identification from the official list in the rules. Most questions will require viewing photos, illustrations, tables or data to assess and evaluate for the answer. All answers will be multiple choice.

Grain Grading (100 points)

Grain grading will be done in accordance with the Official U.S. Standards for Grain. Six grain grading problems will be presented from four possible crops: corn, soybean, sorghum, wheat. Students will need to determine the correct numerical grade (or sample grade), market class, special grades, and grade determining factors for each problem. All answers will be selected from multiple choice lists.

A copy of the Grain Standards booklets should be printed in advance to make access easier while working the problems. You may use your own booklets. A copy will also be provided online, but should be printed off in advance. It can also be printed from the FGIS website at:

<https://www.gipsa.usda.gov/fgis/usstandards.aspx>. Click on each crop to print out the standards.

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