

**2022-2025
Edition**

**4-H/FFA Crops Evaluation CDE
Indiana Agronomy Skills Development**



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**Revised by:
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INTRODUCTION

This publication, "Agronomy Skills Development," has been prepared to aid Agriculture Science and Business Instructors, their students, and 4-H coaches and members in preparing for crop events. It will also serve as the official rules and regulations for conducting 4-H and FFA events at the area and state levels in Indiana. Copies of this publication will be available on the Indiana FFA Website and Agronomy K-12 Website. This document was revised after the 2020 Crops CDE season using any additions or corrections suggested by Agricultural Instructors, Purdue University Agronomy Department Staff, Purdue University Botany and Plant Pathology Department Staff, and Purdue University students involved with the contest. The document will be used for five years (2022-2025) before added to or revised in any way. Suggestions for change are due to the Crops Judging Committee as of the 2025 State Crops Contest. Alterations must be approved by the State Crops Judging Committee before taking affect.

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THE FOLLOWING CHANGES HAVE BEEN MADE FROM THE 2016-2020 CDE HANDBOOK:

1. Identification Answer Sheet (All but State Contest)

- Students will be provided with an answer sheet for each of the four sections of identification that will include a complete list of plants, seeds, disease/damages/insects, and machinery & equipment.
- Students will write the correct number with the correlating specimen. (pages 65-68)

2. The Area and State Crops contest will now use a one sheet scantron. Each section of the contest will have a corresponding section of the scantron sheet to fill out and will be accompanied by lists with all plants, seeds, disease/damages/insects and machinery & equipment and the numbering system to use for them. The students will fill out the scantron during each identification as well as exam answers. A second scantron sheet will be used for contestants to provide grain grading problem answers.

3. Plant and Seed Identification

The following changes have been made to the 2022-2025 plant list:

Giant, Green and Yellow foxtail have been converted to just Foxtail

Additions of the following plants has also occurred

Cantaloupe
Field Sandbur
Hophornbeam copperleaf
Mint
Palmer amaranth
Prickly sida
Pumpkins
Shattercane
Tomatoes

The following changes have been made to the 2022-2025 seed list:

Giant, Green and Yellow foxtail have been converted to just Foxtail.

4. Machinery and equipment identification is new.

GENERAL RULES

1. The outline of the event and all rules included herein are official for the Area and State events.
2. There will be two levels of participation:
 - a. Junior- participants will be from grades 3-8
 - b. Senior- participants will be from grades 9-12
 - c. A team will consist of 3 or 4 individuals with the top three individual scores combined to determine the team score.
3. The following sections will be included in the contest and will include the following point values:

Section I: Plant/Seed/Disease Identification (350 points) 60 mins

25 weed and crop plant samples and seedlings (125 pts)

(Specimen or Photo)

25 weed and crop seed samples (125 pts)

20 crop diseases, damages, and harmful insects either samples or pictures (100 pts)

Section II: Grain Grading/Machinery Identification (200 points) 60 Mins

2 corn samples (50 points)

2 soybean samples (50 points)

2 wheat samples (50 points)

10 machinery & equipment identifications from pictures (50 pts)

Section III: Agronomy Exam (200 points) 60 Mins

40 multiple choice questions

Total for Individual Contestant: 750 points

Total for Team Contest: 2250 points

4. Ties will be broken in the following order: Section I, Section II, Section III
5. A maximum of 60 minutes will be allowed for each section of the event.
6. Participants **are required to use clipboards** while participating in the event and should supply their own No. 2 pencils and non-scientific calculators. Students may also use a **magnifying glass during the identification section** and a **Corn and Soybean Field Guide and the Forage Guide during the agronomy exam**.

7. **THERE WILL BE NO COMMUNICATION WITH OTHER PARTICIPANTS OR ANYONE ELSE BUT THE OFFICIALS. ELECTRONIC COMMUNICATION DEVICES ARE NOT PERMITTED AT ANY TIME DURING THE CONTEST.**