

**2016-2020
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 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 2015 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 (2016-2020) before added to or revised in any way. Suggestions for change are due to the Crops Judging Committee as of the 2020 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 2011-2015 CDE HANDBOOK:

1. Identification Answer Sheet (All but State Contest)
 - Students will be provided with an answer sheet for each of the three sections of identification that will include a complete list of plants, seeds, and disease/damages/insects.
 - Students will write the correct number with the correlating specimen. (pages 65-67)
2. The 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 and disease/damages/insects and the numbering system to use for them. The students will fill out the scantron, and then a person in the tabulation room will add the hand graded Grain Grading Score.

3. Plant and Seed Identification

The following plants and seeds have been **eliminated** from the 2016-2020 list:

Field Pepperweed

The following plants will have pictures of seedlings used as part of the Plant Identification. There will be no more than 5 of these samples used in any contest at one time.

Common cocklebur
Common lambsquarters
Common ragweed
Giant ragweed
Marestail
Ivyleaf morningglory
Jimsonweed
Redroot pigweed
Velvetleaf
Wild carrot

The following plant has been **added** to the 2016-2020 list, **but** will not begin to appear in contests until **2017**:

Tall waterhemp

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
3. The following sections will be included in the contest and will include the following point values:

Section I: Identification (600 points)

25 weed and crop plant samples and seedlings (250 points)

25 weed and crop seed samples (250 points)

10 crop diseases, damages, and harmful insects either samples or pictures(100 points)

Section II: Grain Grading (200 points)

4 corn samples (100 points)

2 soybean samples (50 points)

2 wheat samples (50 points)

Section III: Agronomy Exam (200 points)

40 multiple choice questions

Total for Contest: 1000 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. Twenty minutes will be allowed for each part of Section I.
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 during the agronomy exam.***
7. **THERE WILL BE NO COMMUNICATION WITH OTHER PARTICIPANTS OR ANYONE ELSE BUT THE OFFICIALS. CELLULAR DEVICES ARE NOT PERMITTED AT ANY TIME DURING THE CONTEST.**