



PA FFA Agronomy Career Development Event



Chairperson Information

CDE Chairperson	Grace Fetzer Assistant: Jarod Armstrong
Email	gfetzer@mifflinburg.org jarmstrong@mifflinburg.org
Best Contact Number	Grace- 814-933-4938 Jarod- 717-363-6155
Contest Date/Times	Tuesday 1:30 P.M. Campus Classroom Wednesday 9:00 A.M @ Agronomy Research Farm, Rock Springs, PA
Contest Location	Classroom on campus- Tuesday Agronomy Research Farm- Wednesday

Basic CDE Guidelines

Event Type: Individual (800 pts) or Team (4000 pts)	# of Team Members: 4 required
<p style="text-align: center;"><u>Individual Materials List</u></p> <ul style="list-style-type: none"> ● Recent PSU Agronomy Guide ● Basic Non-Scientific Calculator ● Pencil ● Clipboard 	<p style="text-align: center;"><u>Group Materials List</u></p> <ul style="list-style-type: none"> ● Nothing Additional
<p style="text-align: center;"><u>Attire</u></p> <ul style="list-style-type: none"> ● Official Dress Tuesday ● Field Appropriate Clothing Wednesday 	<p style="text-align: center;"><u>CDE At-A-Glance (List of major components)</u></p> <ul style="list-style-type: none"> ● General Knowledge Exam ● Agronomy Guide Exam ● Weed, Crop, Seed, Pest, and Machinery Identification ● Soils ● Commodity Evaluation ● Team Activity
<p><u>Pre-State CDE Expectations</u></p> <ul style="list-style-type: none"> ● Students should have a general background knowledge of all facets of the subject of agronomy, being either practical knowledge and/or knowledge from classroom instruction. ● Familiarity with the use of the PSU Agronomy Guide. ● Having previously been exposed to a soil pit for analysis and education purposes. ● Familiarity with PSU soil test reports. 	

CDE Rules

CDE Component	Points	Component Description
General Knowledge Exam	100	40 question multiple choice exam
Agronomy Guide Exam	50	20 question multiple choice exam with use of PSU Agronomy Guide
Weed Identification	50	Identification of live local weed plant specimens
Crop Identification	50	Identification of live local crop plant specimens
Seed Identification	50	Identification of local crop seed samples (no weed seed ID)
Pest Management Identification	100	<ul style="list-style-type: none"> ● Diseases and Disorders from actual plant specimens and/or pictures (odd years) ● Insect ID from preserved specimens and/or pictures (even years)
Machinery Identification	100	Identification of actual equipment and machinery
Soils	100	May include: analysis of soil web survey data, soil pit analysis, soil test report analysis, land capability classes, topographical analysis
Commodity Evaluation	200	Grain grading (80 pts), Variety selection (60 pts), Usability - Judging classes of crop samples from 2 plant species (60 pts)
Team Activity	200 (per team member- not included in individual score)	A field-based activity for teams of 4 that may include (but not limited to) acreage calculation, weed/disorder identification, pesticide recommendation, soil analysis, and population calculation. - <i>Individuals competing in this CDE may also participate individually or in combination with other individuals in the team activity, however their scores will not count for or against their total individual score. Only registered teams of 4 students per team will be scored as teams.</i>
<p>Causes for Disqualification: Cheating, use of cell phones during the competition, having previously won this competition and competed at the national level in the past.</p>		
<p>Tie-breaker: In the event of a tie, the individual (or team collective score) with the highest General Knowledge Exam Score will be placed higher. If a tie still exists, Weed-Crop-Seed Identification will be analyzed second.</p>		

Resources

State Study Resources Folder- <https://drive.google.com/drive/folders/1oRyFXNK6-d9tGZFvmXB4MzYKRlcu8ORN?usp=sharing>
 Recent PSU Agronomy Guide- <https://extension.psu.edu/the-penn-state-agronomy-guide>
 PSU soil testing- <https://agsci.psu.edu/aas/soil-testing/fertility>
 Resources included in the national Agronomy CDE link: <https://ffa.app.box.com/s/0nu6ze1us13ah8oc1kkrf3obh85r4au8>

