

# MIDDLE SCHOOL VEGETABLE IDENTIFICATION AND JUDGING CDE

## PURPOSE

The Vegetable Identification and Judging event is designed to test skills and knowledge of students in the area of vegetable production and management.

## ELIGIBILITY

The participant must be an active member of a chartered Florida FFA Chapter and enrolled in grades 6, 7, or 8. Each Middle School chapter may enter one team of four individuals. Only the top three scores will be calculated for the team total.

## EVENT PROCEDURES

1. Contestants will report to the CDE coordinator for specific instructions and details of the event.
2. Contestants will be provided Scantron answer sheets.
3. Contestants should bring a clipboard and two #2 pencils. Use of a hand lens is encouraged.
4. FFA members must be in official dress, appropriate to the contest, and will be scored accordingly.

## EVENT PRACTICUMS

### EVALUATION PRACTICUM

#### PLACING CLASSES

Four (4) judging classes will be placed based on items of quality and other characteristics that a consumer utilizes in buying vegetables. The vegetable specimen plates in each placing class will be placed on individual merit. Each placing class is worth 50 points.



### IDENTIFICATION PRACTICUM

The CDE will deal with the identification of the following specimens:

- Vegetable Kinds & Varieties
- Insects (Even Years)
- Weeds (Even Years)
- Seeds (Odd Years)
- Diseases (Odd Years)

Varieties may be shown in either mature or seedling stages. Each specimen to be identified is worth 5 points.



### KNOWLEDGE PRACTICUM

#### WRITTEN EXAM

A 25 question multiple choice exam covering general knowledge



of vegetable production will be given based on the subject of the Delmar Cengage Plant and Soil Science: Fundamentals & Applications textbook. Each question is worth 4 points for a total of 75 points. Unless otherwise noted, the written exam will be created using odd chapters on odd years and even chapters on even years, aligned with the state finals date - not the preliminary.

## SCORING

Practicum Type	Activity	Individual	Team
Evaluation	4 Placing Classes	50 points/ class 200 total	600
Knowledge	Written Exam	100	300
Identification	Kinds & Varieties	5 points/ specimen	
Identification (Even Years)	Insects	5 points/ specimen	
Identification (Even Years)	Weeds	5 points/ specimen	
Identification (Odd Years)	Seeds	5 points/ specimen	
Identification (Odd Years)	Diseases	5 points/ specimen	
Official Dress		50	150
<b>Total</b>			

## TIE BREAKERS

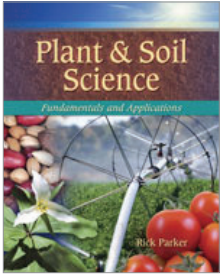
Ties will be broken using the following procedure, unless otherwise noted by the CDE Coordinator. In breaking a tie for a team the drop score will be used first, followed by team written exam total, and then by team placing class total. Individual ties will be broken by oral reasons first, followed by written exam, and then by a single placing class (chosen by CDE Coordinator). If any of these are absent from a CDE, (ie. oral reasons, written exam, etc), then the next highest point practicum will be used.

## AWARDS

Awards will be presented at an awards ceremony. Awards are presented to teams as well as individuals based upon their rankings. Awards are sponsored by a cooperating industry sponsor(s) as a special project and/or by the general fund of the Florida FFA Foundation.

## REFERENCES

This list of references is not intended to be inclusive. Other sources may be utilized and teachers are encouraged to make use of the very best instructional materials available. The following list contains references that may prove helpful during event preparation.



**Plant & Soil Science: Fundamentals  
& Applications, 1st Edition**

R.O. (Rick) Parker, Ph.D

ISBN-13: 9781428334809

480 Pages | © 2010 | Published





# VEGETABLE EVALUATION

## FFA JUDGING CARD

Form #004-2015



EVENT _____		NAME _____	
CHAPTER _____	ID NUMBER _____	GROUP NUMBER _____	

### PLACING CLASSES

**PLACING CLASS 1**  
**\*SAMPLE\***

1234	<input type="radio"/>	<input type="radio"/>	3124
1243	<input type="radio"/>	<input type="radio"/>	3142
1324	<input type="radio"/>	<input type="radio"/>	3214
1342	<input type="radio"/>	<input type="radio"/>	3241
1423	<input type="radio"/>	<input type="radio"/>	3412
1432	<input type="radio"/>	<input type="radio"/>	3421
2134	<input type="radio"/>	<input type="radio"/>	4123
2143	<input type="radio"/>	<input type="radio"/>	4132
2314	<input type="radio"/>	<input type="radio"/>	4213
2341	<input type="radio"/>	<input type="radio"/>	4231
2413	<input type="radio"/>	<input type="radio"/>	4312
2431	<input type="radio"/>	<input type="radio"/>	4321

**PLACING CLASS 2**  
**\*SAMPLE\***

1234	<input type="radio"/>	<input type="radio"/>	3124
1243	<input type="radio"/>	<input type="radio"/>	3142
1324	<input type="radio"/>	<input type="radio"/>	3214
1342	<input type="radio"/>	<input type="radio"/>	3241
1423	<input type="radio"/>	<input type="radio"/>	3412
1432	<input type="radio"/>	<input type="radio"/>	3421
2134	<input type="radio"/>	<input type="radio"/>	4123
2143	<input type="radio"/>	<input type="radio"/>	4132
2314	<input type="radio"/>	<input type="radio"/>	4213
2341	<input type="radio"/>	<input type="radio"/>	4231
2413	<input type="radio"/>	<input type="radio"/>	4312
2431	<input type="radio"/>	<input type="radio"/>	4321

**PLACING CLASS 3**  
**\*SAMPLE\***

1234	<input type="radio"/>	<input type="radio"/>	3124
1243	<input type="radio"/>	<input type="radio"/>	3142
1324	<input type="radio"/>	<input type="radio"/>	3214
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1423	<input type="radio"/>	<input type="radio"/>	3412
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2134	<input type="radio"/>	<input type="radio"/>	4123
2143	<input type="radio"/>	<input type="radio"/>	4132
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2341	<input type="radio"/>	<input type="radio"/>	4231
2413	<input type="radio"/>	<input type="radio"/>	4312
2431	<input type="radio"/>	<input type="radio"/>	4321

**PLACING CLASS 4**  
**\*SAMPLE\***

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1324	<input type="radio"/>	<input type="radio"/>	3214
1342	<input type="radio"/>	<input type="radio"/>	3241
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1432	<input type="radio"/>	<input type="radio"/>	3421
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### WRITTEN EXAM

**\*SAMPLE\***

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The use of electronic devices is prohibited during the event. Only approved calculators may be used as permitted.



No talking is allowed during the event. Please notify your group leader with any concerns.



Use a pencil to completely fill in circles. Be sure to erase completely to change your answer.



# KINDS & VARIETIES IDENTIFICATION

\*SAMPLE\*

- 1 (A) (B) (C) (D) (E)
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- A Artichoke, globe
- B Artichoke, Jerusalem
- C Asparagus
- D Bean, Bush
- E Bean, horticultural
- A Bean, Lima
- B Bean, pole
- C Bean, wax
- D Beets
- E Broccoli
- A Brussels sprouts
- B Cabbage, Golden Acre
- C Cabbage, red
- D Cabbage, savoy
- E Carrot, Chantenay
- A Carrot, Danvers
- B Carrot, Imperator

- C Cauliflower
- D Celeriac
- E Celery
- A Chard, Swiss
- B Chinese cabbage
- C Chives
- D Collards
- E Cucumber
- A Eggplant
- B Endive
- C Escarole
- D Garlic
- E Kale
- A Kohlrabi
- B Leek
- C Lettuce, butterhead
- D Lettuce, crisphead

- E Lettuce, leaf
- A Lettuce, romaine
- B Muskmelon
- C Mustard
- D New Zealand spinach
- E Okra
- A Onion, Bermuda
- B Onion, Sweet Spanish
- C Parsley
- D Parsnip
- E Pea, English
- A Pea, Southern
- B Pepper
- C Potato, Irish
- D Pumpkin
- E Radish
- A Rutabaga

- B Spinich
- C Squash, butternut
- D Squash, crookneck
- E Squash, Hubbard
- A Squash, scallop
- B Squash, straightneck
- C Squash, Table Queen
- D Squash, zucchini
- E Sweet Corn
- A Sweet Potato
- B Tomato
- C Turnip
- D Watermelon, Charleston Grey
- E Watermelon, Crimson Sweet

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Use a pencil to completely fill in circles. Be sure to erase completely to change your answer.





# VEGETABLE EVALUATION

FFA JUDGING CARD

Form #004-2015



EVENT _____		NAME _____	
CHAPTER _____	ID NUMBER _____	GROUP NUMBER _____	

## SEED IDENTIFICATION

<b>*SAMPLE*</b>	<b>5</b> (A) (B) (C) (D) (E)	<b>11</b> (A) (B) (C) (D) (E)	<b>17</b> (A) (B) (C) (D) (E)
	<b>6</b> (A) (B) (C) (D) (E)	<b>12</b> (A) (B) (C) (D) (E)	<b>18</b> (A) (B) (C) (D) (E)
	<b>7</b> (A) (B) (C) (D) (E)	<b>13</b> (A) (B) (C) (D) (E)	<b>19</b> (A) (B) (C) (D) (E)
	<b>8</b> (A) (B) (C) (D) (E)	<b>14</b> (A) (B) (C) (D) (E)	<b>20</b> (A) (B) (C) (D) (E)
	<b>9</b> (A) (B) (C) (D) (E)	<b>15</b> (A) (B) (C) (D) (E)	
<b>1</b> (A) (B) (C) (D) (E)	<b>10</b> (A) (B) (C) (D) (E)	<b>16</b> (A) (B) (C) (D) (E)	

- |                      |                                  |                       |                                     |
|----------------------|----------------------------------|-----------------------|-------------------------------------|
| <b>B</b> Asparagus   | <b>C</b> Celery                  | <b>D</b> Okra         | <b>E</b> Spinich, round or prickley |
| <b>C</b> Beans, Lima | <b>D</b> Corn, sweet             | <b>E</b> Onion        | <b>A</b> Squash, C. maxima          |
| <b>D</b> Beans, snap | <b>E</b> Cucumber                | <b>A</b> Parsnip      | <b>B</b> Squash, C. moschata        |
| <b>E</b> Beets       | <b>A</b> Eggplant                | <b>B</b> Pea, English | <b>C</b> Squash, C. pepo            |
| <b>A</b> Cabbage     | <b>B</b> Lettuce, black or white | <b>C</b> Pepper       | <b>D</b> Tomato                     |
| <b>B</b> Carrot      | <b>C</b> Muskmelon               | <b>D</b> Radish       | <b>E</b> Watermelon                 |

## WEED IDENTIFICATION

<b>*SAMPLE*</b>	<b>2</b> (A) (B) (C) (D) (E)	<b>5</b> (A) (B) (C) (D) (E)	<b>8</b> (A) (B) (C) (D) (E)
	<b>3</b> (A) (B) (C) (D) (E)	<b>6</b> (A) (B) (C) (D) (E)	<b>9</b> (A) (B) (C) (D) (E)
	<b>4</b> (A) (B) (C) (D) (E)	<b>7</b> (A) (B) (C) (D) (E)	<b>10</b> (A) (B) (C) (D) (E)
	<b>1</b> (A) (B) (C) (D) (E)		

- |                           |                          |                                    |                                 |
|---------------------------|--------------------------|------------------------------------|---------------------------------|
| <b>B</b> Beggarweed       | <b>A</b> Common purslane | <b>E</b> Cypressvine morning glory | <b>D</b> Pepperweed             |
| <b>C</b> Bermuda grass    | <b>B</b> Common ragweed  | <b>A</b> Florida pusley            | <b>E</b> Pigweed                |
| <b>D</b> Chickweed        | <b>C</b> Crabgrass       | <b>B</b> Lambsquarters             | <b>A</b> Sicklepod (coffeeweed) |
| <b>E</b> Common cocklebur | <b>D</b> Curly dock      | <b>C</b> Nutgrass                  |                                 |

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# INSECT IDENTIFICATION

\*SAMPLE\*

- 1 (A) (B) (C) (D) (E)
- 2 (A) (B) (C) (D) (E)
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- 30 (A) (B) (C) (D) (E)

## HARMFUL INSECTS

- A Aphids
- B Banded cucumber beetle
- C Bean leaf roller
- D Cabbage looper
- E Click beetle
- A Colorado potato beetle, adult
- B Colorado potato beetle, larvae
- C Corn earworm

- D Cutworm
- E Fall armyworm
- A Field cricket
- B Flea beetle
- C Green Stinkbug
- D Harlequin bug
- E Imported cabbage worm
- A June beetle
- B Leaf-footed plant bug
- C Leafhopper
- D Leafminer

- E Lesser cornstalk borer
- A Mexican bean beetle, adult
- B Mexican bean beetle, larvae
- C Mole cricket
- D Pickleworm
- E Squash bug
- A Sweet potato weevil
- B Tomato hornworm
- C Twelve-spotted cucumber beetle

- D White grub
- E Wireworm

## BENEFICIAL INSECTS

- A Earwig
- B Green garden spider
- C Ground beetle
- D Honey bee
- E Lady beetle
- A Praying mantis
- B Tachnid fly
- C Tiger beetle

# DISEASE IDENTIFICATION

\*SAMPLE\*

- 1 (A) (B) (C) (D) (E)
- 2 (A) (B) (C) (D) (E)
- 3 (A) (B) (C) (D) (E)
- 4 (A) (B) (C) (D) (E)
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- 30 (A) (B) (C) (D) (E)

- D Alternaria leafspot (on crucifers)
- E Bean rust
- A Cabbage black rot
- B Cabbage soft rot
- C Celery early blight
- D Celery late blight
- E Corn rust
- A Corn smut

- B Cucumber downy mildew
- C Magnesium deficiency
- D Nitrogen deficiency
- E Onion neckrot
- A Onion purple blotch
- B Pepper bacterial spot
- C Pepper blossom-end rot
- D Potassium deficiency

- E Potato early blight
- A Potato Rhizoctonia
- B Potato weather fleck
- C Rootknot
- D Squash powdery mildew
- E Sunscald
- A Tomato bacterial spot
- B Tomato bacterial wilt

- C Tomato blossom-end rot
- D Tomato early blight
- E Tomato leaf mold
- A Watermelon mosaic virus

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