# **POULTRY**

# **PURPOSE**

The Poultry Career Development Event simulates learning activities relative to production and management, processing, marketing, and consumption of poultry products.

#### **ELIGIBILITY**

The participant must be an active member of a chartered West Virginia FFA Chapter and enrolled in grades 9, 10, 11, or 12. Each chapter may enter one team.

## **EVENT PROCEDURE**

The event will be a team event consisting of four students. A team may compete with less than 4 members. FFA members will wear official dress or professional dress as it pertains to the profession. For example, black pants, white shirt, and black apron.

All live animals must be treated with the utmost care and respect. Violation of this rule will automatically disqualify an offending team member from the event. The supervision, interpretation, and enforcement of this rule will be the responsibility of the Event Superintendent and/or their designee.

No FFA advisors/coaches will be allowed in the area of the contest, but arrangements will be made to view the specimens following the contest.

#### **PRACTICUMS**

A general knowledge exam, and 12 classes of evaluation involving live birds, ready to cook poultry, interior and exterior eggs, and processed poultry products.

## **EVENT MATERIALS**

# MATERIALS STUDENTS MUST PROVIDE

- Pencils
- Clipboards
- Electronic Calculator



### INDIVIDUAL PRACTICUMS

#### GENERAL KNOWLEDGE EXAMINATION

Each participant will complete a 30-item written examination on poultry production, management, anatomy, and physiology. Twenty-five multiple choice questions worth 3pts followed by mathematical calculation problems worth 5pts. The exam will be worth 100 pts Questions will be developed from information found in the references and past National FFA Tests from the past 5 years.

# **EVALUATION PRACTICUM**

#### LIVE POULTRY

- 1. (BROILERS) Each participant will place a class of four market broilers. Each participant will be permitted to "handle" the birds, as long as the birds are inspected in a professional and humane manner. Participants may not remove the broilers from the holding unit.
- 2. (HENS) Each participant will place a class of four egg-type hens. The birds will be Single-Comb White Leghorns, or commercial strains of Leghorn-type (inbred cross). The birds may have trimmed beaks. Each participant will be permitted to "handle" the birds, as long as the birds are inspected in a professional and humane manner.
- 3. Each participant will present oral reasons for either the placing class of market broilers or for the class of egg-type hens. The class for which participants should develop oral reasons for presentation will be clearly identified during the event. Participants will have ten minutes to prepare and two minutes to present their oral reasons. Reasons should include current USDA and poultry industry terminology and standards.

# READY-TO-COOK POULTRY

- 1. (CARCASS/PART GRADING) Each participant will grade a class of ten ready-to-cook chicken and/or turkey carcasses and/or parts. Criteria for grading will be derived from USDA standards for chicken carcasses weighing two pounds to six pounds and for turkey carcasses weighing six to sixteen pounds or carcasses weighing greater than sixteen pounds. Four categories may be used, including the USDA quality grades A, B, C and the category NG (non gradable). Participants may not touch any carcass or part; doing so will result in disqualification. If used, the shackle holding a carcass may be rotated to show the entire carcass.
- 2. (RTC-3) Each participant will place a class of four ready-to-cook chicken or turkey carcasses. Criteria for placing will be derived from USDA standards relative to poultry weight classes. Participants may not touch any carcass; doing so will result in disqualification. If used, the shackle holding a carcass may be rotated to show the entire carcass.
- 3. (REASONS 1) Each participant will present oral reasons for their placing of the class of ready-to-cook chicken or turkey carcasses. Participants will have ten minutes to prepare and two minutes to present their reasons. Reasons should include current USDA and poultry industry terminology and standards



#### SHELL EGGS

- 1. (EGG INTERIOR QUALITY GRADING) Each participant will grade a class of ten white (or white-tint) shell eggs. Criteria for grading will be derived from USDA standards for interior quality of market eggs. The USDA quality grades will be AA, A, B and Loss. Participants must candle the eggs to determine the appropriate USDA quality grade, but improper handling of eggs will result in disqualification.
- 2. (EGG INTERIOR QUALITY GRADING and WRITTEN FACTORS) Each participant will grade a class of ten shell eggs (white, brown or other). Criteria for grading will be derived from USDA standards for exterior quality of market eggs. The USDA quality grades will be AA/A, B and NG (nongradable). Criteria for grading may include decisions related to the following quality factors: Soundness (unbroken, check, dented check or leaker); Stains (slight/moderate stain or prominent stain); Adhering Dirt or Foreign Material; Egg Shape (approximately normal shape, unusual or decidedly misshapen); Shell Texture (large calcium deposits, body check or pronounced ridges); Shell Thickness (pronounced thin spots); No Defect.
- 3. (EGG INTERIOR QUALITY GRADING and WRITTEN FACTORS) Each participant will determine written factors for the grading of the exterior chicken eggs. The written factors will relate to the criteria used for grading exterior quality of eggs.

#### FURTHER PROCESSED POULTRY

- 1. (BONELESS FURTHER PROCESSED POULTRY MEAT PRODUCTS) Each participant will determine written quality factors for a class of ten boneless further processed poultry meat products (e.g. precooked, poultry meat patties, tenders, nuggets or other boneless products). Criteria for evaluation will include coating defects, color defects, consistency of shape/size, broken and/or incomplete products, cluster/marriages and evidence of foreign material. Participants may not touch any product; doing so will result in disqualification.
- 2. (BONE-IN FURTHER PROCESSED POULTRY MEAT PRODUCTS) Each participant will determine written quality factors for a class of ten bone-in further processed poultry meat products (e.g., precooked, bone-in wings or other bone-in poultry meat products). Criteria for evaluation will include coating defects, color defects, consistency of size, broken products, miscut products, mixed products and evidence of foreign material. Participants may not touch any product; doing so will result in disqualification.
- 3. (IDENTIFICATION OF CARCASS PARTS) Each participant will identify ten poultry parts. Poultry parts to be identified will be randomly selected and consistent with those used in the chicken processing and merchandising industries. The participant may not touch any part; doing so will result in disqualification.



# **SCORING**

Practicum	Activity	Individual	Team
General Knowledge	Written Exam	100	400
2 classes of Live Poultry	Evaluation	100	400
2 Ready to Cook Broilers and Parts	Evaluation	100	400
Interior Egg Quality	Evaluation	50	200
Exterior Egg Quality	Evaluation	100	400
Further Processed Poultry Products	Evaluation and Identification	150	600
2 Classes of Reasons	Oral Exams	100	400
TOTAL		700	2800

# TIE BREAKERS

In the event of a tie in individual scores, the following events will be used in order to determine award recipients:

Tie breaker for individual

- 1. Class 4 Carcass/ Part Grading
- 2. Class 1 and Class 2 Placing Classes Broilers/ Hens

Tie breaker for Team

Class 4 Carcass/ Part Grading



#### REFERENCES

This list of references is not intended to be all-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

Poultry Science Manual for National FFA Career Development Events 7th Edition (2017) Instructional Material Services. Available from Instructional Materials Service (IMS), Texas A&M University, 2588 TAMUS, College Station, Texas 77843-2588 (Phone: 979-845-6601; FAX: 979-845-6608; https://www.agrilifebookstore.org/product-p/ims-0418-7.htm. All examination items will be derived from this reference.

Poultry-Grading Manual —Agriculture Handbook Number 31 (latest USDA edition). Agricultural Marketing Service, United States Department of Agriculture. (https://www.ams.usda.gov/sites/default/files/PoultryGradingManual.pdf

Egg-Grading Manual —Agriculture Handbook Number 75 (latest USDA edition), Agricultural Marketing Service, United States Department Agriculture. https://www.ams.usda.gov/sites/default/files/media/Egg%20Grading%20Manual.pdf

CDE Q & A, FFA.org

One Less Thing—Poultry Judging Handbook Lessons, www.onelessthing.net

STATE SPECIFIC RESOURCE:

https://youtu.be/v9USw8i696U

# Poultry Form #478-7

Incorrect Marks Correct Mark

## Team Name

This sheet is for demonstration and practice only. You must use a real scan sheet for actual competition.

Team #	Last Name	First Name
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0000	AAAAAAAAAAA	AAAAAA
2222	888888888	888888
3333	00000000000000	00000000
<b>(D) (D) (D)</b>		
(5) (5) (5)	E E E E E E E E E	DEEDEE
6666	DEFEDER DEFE	PEFFEFF
DDDD	00000000000000	00000000
888	THE HEREBERES	BUBUBUB
9999		
	000000000000000000000000000000000000000	DODOOOOO
Code #	KKKKKKKKKKKKK	
	ODDOODDOODDOOD	
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O O	000000000000	00000000
22	PPPPPPPPPPP	PPPPPPP
(3) (3)	0000000000000	
(4) (A)	RECEREERE	
6 6	363333333333	00000000
(6) (6)	O O O O O O O O O O O O O O O O O O O	DOODOOOO
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99	wwwwwwwwwww	V W W W W W W
	XXXXXXXXXXXXXX	
	O O O O O O O O O O O O O O O O O O O	
	222222222222	

Pai	t Grading
Carcass/ Part	Quality Grade
Number	A B C NG
1	A B C C
2	A B C
3	A B C
4	A B C
5	A B C
6	(A) (B) (C) (
7	A B C
8	(A) (B) (C)
9	A B C
10	A B C C
Eg	g Interior
Egg Number	Quality Grade
1	AA A B
1 2	

	Broilers	Hens	RTC	
	4	2	3	
1234	0	0	0	
2 1243	0	0	0	
3 1324	0	0	.0	
4 1342	0	10	0	
· 1423	0	0	0	
6 1432	0	10	0	
7 2134	0	0	0	
8 2143	0	0	0	
9 2314	0	0	0	
10 2341	0	0	0	
11 2413	0	10	0	
12 2431	0	0	0	
13 3124	0	0	0	
14 3142	0	0	0	
<b>15 3214</b>	0	0	0	
16 3241	0	0	0	
7 3412	0	0	0	
18 3421	0	0	0	
19 4123	0	0	0	
<b>4132</b>	0	0	0	
21 4213		0	0	
<b>22</b> 4231	0	0	0	
23 4312	0	0	0	
24 4321	0	0	0	
	1	2	3	

Placing Classes

Mark one answer in each column!

Rea	Reasons										
4	2										
00	00										
DO	(D)										
22	(2)(2										
(3) (3)	3 3										
00	(4) (4										
(B) (B)	(6) (6										
6	6										
0	7										
(8)	(8										
(9)	9										

	Egg			ality Gr Factor							
					Egg N	lumber					12
Grade	4	2	3	4	5	6	7	8	9	10	
1 AA/A	AAVA .	had	(44)	ANA	ARIA	and	64.6	and-	0.8.0	Ann	
2 B	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	NHE.
3 Nongradable	(NG)	(HG)	(HG)	(RG)	(NG)	(10)	(MG)	(HG)	(HG)	(RG)	-
Defect	1	2	3	4	5	6	7	8	9	10	
Checked	0	0	0	0	0	0	0	0	0	0	
2 Dented Checked	0	10	0	0	0	0	0	0	0	0	
3 Leaker	0	0	0	0	0	0	0	0	0	0	Ī
4 Slight / Moderate Stain	0	0	0	0	0	0	0	0	0	0	
Prominent Stain	0	0	0	0	0	(3)	0	0	0	0	- Committee
6 Adhering Dirt / Foreign Material	0	0	0	0	0	0	0	0	0	0	Ser Live
7 Decidedly Misshapen	0	0	0	0	0	0	0	0	0	0	100
8 Large Calcium Deposits	0	0	0	0	0	0	0	0	0	0	Corne
9 Body Check	0	0	0	0	0	0	0	0	0	0	13
10 Pronounced Ridges	0	0	0	0	0	(3)	0	0	0	0	
11 Pronounced Thin Spots	0	0	0	0	0	0	0	0	0	0	
12 No Defect	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	10	

Ider	ntifica	tion of	Carca	ss Par	ts					
					Part N	umber				
Part	1	2	3	4	5	6	7	8	9	10
1 Half	0	0	0	0	0	0	0	0	0	0
Front Half	0	0	0	0	0	0	0	0	0	0
Rear Half	0	0	0	0	0	0	0	0	0	0
4 Whole breast with ribs	0	0	0	0	0	0	0	0	0	0
Bnls., skinless whole breast with rib meat	0	0	0	0	0	0	0	0	0	0
Whole breast	0	0	0	0	0	0	0	0	0	0
Bnls., skinless whole breast	0	0	0		0	0	0	0	0	0
Split breast with ribs	0	0	0	0	0	0	0	0	0	0
Bnls., skinless split breast with rib meat	0	0	0		0	0	0	0	0	0
Split breast	0	0	0	0	0	0	0	0	0	0
Bnls., skinless split breast	0	0	0	0	0	0	0	0	0	0
2 Breast quarter	0	0	0	0	0	0	0	0	0	0
3 Breast quarter without wing	0	0	0	0	0	0	0	0	0	0
4 Tenderloin	0	0	0	0	0	0	0	0	0	0
5 Wishbone	0	0	0	0	0	0	0	0	0	0
6 Leg quarter	0	0	0		0	0	0	0		0
7 Leg	0	0	0	0	0	0	0	0	0	0
8 Thigh w/ back portion	0	0	0		0	0	0	0	0	0
<sup>™</sup> Thigh	0	0	0	0	0	0	0	0	0	0
Bnls., skinless thigh	0	0	0	0	0	0	0	0	0	0
Drumstick	0	0	0	0	0	0	0	0	0	0
2 Bnls., skinless drum	0	0	0	0	0	0	0	0	0	0
<sup>23</sup> Wing	0	0	0	0	0	0	0	0	0	0
Markette Drumette	0	0	0	0	0	0	0	0		0
s Wing portion	0	0	0	0	0	0	0	0	0	0
∞ Liver	0	0	0	0	0	0	0	0	0	0
7 Gizzard	0	0	0	0	0	0	0	0	0	0
8 Heart	0	0	0	0	0	0	0	0	0	0
Meck	0	0	0	0	0	0	0	0	0	0
D Paws	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	10

	Exam
1	A B C D E
2	ABCDE
3	ABCDE
4	ABCDE
5	ABCDE
6	ABCDE
7	ABCDE
8	ABCDE
9	(A) (B) (C) (D) (E)
10	ABCDE
11	ABCDE
12	ABCDE
13	ABCDE
14	A B C D E
15	ABCDE
16	ABCDE
17	A B C D E
18	A B C D E
19	ABCDE
20	ABCOE
21	ABCDE
22	(A) (B) (C) (D) (E)
23	A B C D E
24	A B C D E
25	A B C D E
26	ABCDE
27	ABCDE
28	ABCDE
29	A B C D E
30	A B C D E

Bonele	ss Fur	ther Pr	ocess	ed Pou	ultry M	eat Pro	ducts			
	Product Number									
Defect	1	2	3	4	5	6	7	8	9	10
Coating Void	0	0	0	0	0	0	0	0	0	0
2 Inconsistent Color	0	0	0	0	0	0	0	0	0	0
Inconsistent Shape / Size	0	0	0	0	0	0	0	0	0	0
Broken / Incomplete	0	0	0	0	0	0	0	0	0	0
5 Cluster / Marriages	0	0	0	0	0	(1)	0	0	0	0
Foreign Material	0	0	0	0	0	0	0	0	0	0
7 No Defect	0	0	0	0	0	0	0	0	0	0
	4	2	3	4	5	6	7	8	9	10

	Product Number											
Defect	1	2	3	4	5	6	7	8	9	10		
Coating Void	0	0	0	0	0	0	0	0	0	0		
2 Inconsistent Color	0	0	0	0	0	0	0	0	0	0		
Inconsistent Size	0	0	0	0	0	0	0	0	0	0		
4 Broken / Broken Bone	0	(6)	0	0	0	0	0	0	0	0		
5 Miscut	0	0	0	0	0	0	0	0	0	0		
Foreign Material	0	0	0	0	0	0	0	0	0	0		
7 No Defect	0	0	0	0	0	0	0	0	0	0		
	1	2	3	4	5	6	7	8	9	10		