

2014 Minnesota State FFA Livestock Team Activity - Swine

Please use the below information on Duroc Boars from the National Swine Registry STAGES Program.
On the attached sheet you will find 20 multiple choice questions for your team to answer.

Letter	Birth Date	Name Owner	Sire Name	Pigs Herds	BF	Days	Lbs	FE	TSI	Dau Herds	NBA	NW	LWT	SPI	MLI
A	5/19/2012	WHIH2 BASIC 276-8 WHITESHIRE/HAMROC	WHIH0 BASIC 46-8 WW6 WILLARD 251-6	57 1	0.08	-7.10	-2.07	-0.06	143.5	-	0.36	0.08	2.60	118.8	140.0
B	5/1/2012	WFD2 RED LEGEND 166-2 WALDO FARMS	WDF0 HARVESTER 44-3 WFD9 EQUINOX 6-2	165 3	-0.06	-6.25	2.47	-0.14	173.4	-	-0.29	0.00	-1.22	93.2	125.6
C	1/10/2011	CBSW1 S TATER 13-4 SWINE GENETICS INT LTD	CBSW0 S TATE 9-2 CBSW7 F KEN 28-1	222 8	-0.03	-2.82	1.41	-0.07	145.2	89 7	0.49	0.16	0.54	120.8	140.1
D	3/31/2011	WHIH1 S BRAVE 566-1 WHITESHIRE/HAMROC	CBW8 BRAVE 81-4 CBSW8 S TUCKER SSP 84-1	247 3	-0.02	-1.83	1.41	-0.06	138.9	49 2	0.07	0.03	7.63	106.0	122.5
E	6/18/2010	CC0 ENERGY 71-4 FORKNER FARMS	CC9 REDMAN 12-4 CC6 LIMIT UP 78-1	58 1	0.06	4.02	-1.06	0.08	83.3	31 1	0.35	0.17	2.88	117.0	108.8
F	1/8/2010	CBSM0 S IMPERIAL 402-4 COMPART PRIMARY SP	CBSM7 F IMPERIAL 416-3 CBS6 F SHAMU 447-1	58 2	-0.07	-2.03	1.69	-0.06	142.0	4 1	-0.20	-0.02	-0.77	95.1	112.9
G	6/18/2010	CC0 ROVER 71-3 FORKNER FARMS	CC9 REDMAN 12-4 CC6 LIMIT UP 78-1	73 1	0.00	1.99	-0.07	0.03	104.6	59 1	0.21	0.16	1.92	112.7	113.4
H	11/12/2010	CBSW0 F TICKET 48-2 COMPARTS BOAR STORE INC	CBSW8 S TWIST 84-1 RH BOLDER 1-11	78 2	-0.02	-3.00	1.17	-0.07	144.8	24 4	-0.17	-0.05	4.95	104.6	123.7
I	5/1/2012	WFD2 HARVESTER 166-1 WALDO FARMS	WDF0 HARVESTER 44-3 WFD9 EQUINOX 6-2	83 3	-0.04	-9.81	0.76	-0.16	184.9	-	-0.29	0.00	-1.22	93.2	131.0
J	7/9/2010	WHIH0 BASIC 46-8 WHITESHIRE/HAMROC	WWU8 BASIC 52-7 WFD5 FIRESTONE 272-2	96 1	0.00	-4.24	0.08	-0.06	144.8	25 2	0.55	0.11	1.03	122.5	142.1

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Use the attached STAGES Swine EPD Report for Duroc Boars to answer the following questions. Each question is worth 5 points for a total of 100 possible points. You are allowed 20 minutes to work on this team activity. All answers shall be bubbled on contestant #1 (A)'s scantron.

1. Which boar would you expect to have offspring that reach 250 Lbs. in the fewest number of days?
 - a. E
 - b. B
 - c. C
 - d. I
2. Of the boars listed which boar would sire offspring having the highest litter weight?
 - a. D
 - b. H
 - c. I
 - d. A
3. Which two Duroc boars are littermates?
 - a. G and E
 - b. A and J
 - c. B and I
 - d. Both A and C
4. Which boar is sired by one of the potential sires for this activity?
 - a. B
 - b. A
 - c. G
 - d. I
5. Which boar will sire offspring that will yield a higher percentage of lean at market weight?
 - a. F
 - b. J
 - c. E
 - d. B
6. Litter weight is calculate by adjusting to _____ days of age and for breed factors.
 - a. 24
 - b. 21
 - c. 30
 - d. 12
7. Which of the following EPD's is a combination index that considers both maternal and terminal traits, were twice the emphasis is placed on reproductive traits?
 - a. MLI
 - b. MMA
 - c. SPI
 - d. TSI

8. The Grandsire of CBSMO S IMPERIAL 402-4 is?
 - a. CBSWO S TATE 9-2
 - b. CBSWO F IMPERIAL 416-3
 - c. CBS6 F SHAMU 447-1
 - d. None of the Above
9. The acronym LWT stands for?
 - a. Lean Weight
 - b. Live Weight
 - c. Loin Weight
 - d. Litter Weight
10. Which boar would be a producer's best choice if his operation were looking to retain females as replacements in a commercial sow herd?
 - a. E
 - b. I
 - c. A
 - d. J
11. How many boars have CBS herd mark in their genetic make-up?
 - a. 1
 - b. 3
 - c. 4
 - d. 5
12. Which boar will tend to sire offspring that are poorest in their growth pattern?
 - a. I
 - b. E
 - c. B
 - d. J
13. If a producer placed his operations core values on developing market oriented offspring, the boar of choice to use would be?
 - a. E
 - b. G
 - c. I
 - d. F
14. This EPD is an adjustment of fat thickness that is measured ultrasonically in inches, and is adjusted to 250 pounds live weight.
 - a. BF
 - b. FE
 - c. NBA
 - d. Lbs
15. Based on the results of your answer for #14, which boar is best suited for a mating selection where lean is of high importance.
 - a. F
 - b. A
 - c. E
 - d. J

16. Which boar has the most herds that are contributing to STAGES EPD data?
- D
 - B
 - H
 - C
17. Female offspring that are sired by this boar tend to have higher number born alive at farrowing.
- I
 - J
 - C
 - B
18. Which boar has female offspring in herds that have the fewest pigs weaned per sow?
- E
 - F
 - G
 - H
19. Which of the following boars has the least reliable EPD data for reproductive traits?
- B
 - C
 - F
 - H
20. The National Swine Registry STAGES Program is joint venture between the U.S.D.A., National Association of Swine Records, National Pork Producers Council and this University?
- Iowa State University
 - Texas A&M University
 - Purdue University
 - University of Minnesota – St. Paul

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