

2017 National FFA Dairy Cattle Event

Herd Record Evaluation

Select the one cow that best answers each of the following 10 questions.

For questions 1 through 10, use the “herd record evaluation” which is attached to the quiz.

1. Indicate which cow is having the greatest impact on the somatic cell count in the bulk tank.
2. Which cow should be the next one to be dried off after the testing date, assuming that breeding dates are accurate?
3. Indicate which one of the first lactation cows has the lowest index value that selects for the improvement of milk, fat, and protein yield, somatic cell score and productive life.
4. Select the cow, which is most significantly overweight.
5. Determine the cow with the highest expectation among the cows for the value of a future lactation's production, relative to the herd average.
6. Select which cow will be the next one to calve after the testing date, assuming normal gestation length.
7. Indicate which first lactation cow is having the least impact on the somatic cell count in the bulk tank.
8. Which first lactation cow has the highest mature equivalent for milk?
9. Which cow has the lowest mature equivalent for protein production?
10. Select the cow that will transmit the highest expected breeding value to her offspring for milk.

2017 National FFA Dairy Cattle Event - Dairy Herd Record Evaluation - Management Quiz

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scc	date bred	X-b r e d	Repro Code	BCS	Test Day Production				Cow No.	status... last calv date	code	days	age @ dry calving (months)	Current Lactation			MatureEquivalent			ERPA \$\$ Dev	Net		
					milk #	fat %	protein %	s c s						days in milk	milk #	fat #	prot #	milk #	fat #		prot #	PTA milk	Merit \$\$\$
1000's																							
23	5/13/2017	1		3.25	105.3	3.1	3.1	0.9	373	3/2/2017	2		37	114	9125	394	280	24151	960	763	9	-87	120
15	11/2/2016	5 P		4.25	44.6	5	3.8	0.3	375	3/3/2016	6		24	478	30978	1303	991	28191	1082	825	315	258	164
50	10/26/2016	4 P		4.50	34.1	4.5	4.1	2	376	3/5/2016	6		29	476	35985	1432	1159	29588	1154	921	549	647	305
25	4/17/2017	1 P		2.75	101.5	2.9	3	1	377	2/13/2017	2		34	131	10920	383	332	26997	906	829	184		
47	5/29/2017	2		3.25	87.3	3.3	3	1.9	379	2/23/2017	2		33	121	9160	357	283	24076	896	747	82	44	28
200				3.50	113.8	4.4	2.7	4	380	4/1/2017	2		37	84	7387	320	215	25872	1146	765	274		
460				2.75	80.6	3.8	3	5.2	381	5/18/2017	2		37	37	1043	43	36				-246		
31	5/20/2017	1		3.00	93	4.7	3.1	1.3	383	3/10/2017	2		38	106	8747	407	280	23293	1098	763	132		
13				3.25	96.7	3.4	2.6	0.1	384	4/7/2017	2		37	78	5067	240	157	23639	973	740	118		
13	5/16/2017	2		2.75	110	4.1	2.8	0.1	385	2/15/2017	2		36	129	11122	476	329	26298	1118	786	436		
62				3.00	95.8	4.1	3.3	2.3	386	5/18/2017	2		36	37	1240	56	47				-14	-476	192
87	5/13/2017	1		3.75	111.9	3.7	2.9	2.8	387	3/8/2017	2		36	108	7978	324	246	24244	996	777	285	322	86
19	5/28/2017	2		2.75	89.2	4.1	3.1	0.6	388	2/16/2017	2		33	128	9258	405	283	24394	1036	748	282	424	184
33	4/19/2017	1 P		3.25	93	4.3	3.1	1.4	389	2/10/2017	2		34	134	11630	467	362	25999	1100	819	220	290	142
13				2.75	73	4.1	3.3	0.1	390	4/30/2017	2		36	55	2206	100	81				601		
76	4/22/2017	5		3.25	61.6	3.9	3.5	2.6	391	3/28/2016	6		27	453	32502	1235	1024	27674	1034	826	267	199	101
23	10/27/2016	4 P		3.00	51.2	4.3	3.8	0.9	393	4/11/2016	6		22	439	29783	1246	956	29021	1180	898	510		
13		C		3.25	55.9	4.2	3.9	0.1	395	4/13/2016	6		25	437	26667	1064	871	24822	930	756	-11		
325	11/26/2016	4 P		3.25	15.1	4.1	3.6	4.7	397	4/14/2016	6		25	436	22572	707	719	23131	685	713	-302		
	9/23/2016	5 P		3.25					398	4/18/2016	1	71	22	361	20254	823	668	24345	981	788	59	-48	39
	9/4/2016	3 P		3.25					400	4/22/2016	1	71	22	357	20561	901	655	23906	1054	755	51	274	160
100				2.75	59.7	5.3	2.8	3	401	5/16/2017	2		32	39	881	51	28				-748		
	9/14/2016	3 P		3.25					402	5/2/2016	1	56	22	362	24649	845	724	28365	950	825	302		
50	10/26/2016	3 P		3.00	64.5	3.4	3.2	2	403	5/3/2016	6		24	417	29043	953	899	28673	906	857	325	592	-22
13				3.50	93.9	3.3	3.1	0.1	404	5/2/2017	2		35	53	2647	96	92				257	218	89
	9/23/2016	2 P		3.00					405	5/11/2016	1	42	22	367	22238	898	739	25473	1031	836	119	-195	76
13				3.25	116.7	3.8	2.9	0.1	406	4/26/2017	2		33	59	4005	167	127				331	32	125
152				3.25	57.8	4.5	3.9	3.6	409	5/27/2017	2		34	28	303	14	12				962	314	227
76		C		2.75	55.9	3.7	3.6	2.6	410	5/16/2016	6		23	404	23435	946	755	24133	981	748	81		
22	10/23/2016	3 P		3.00	50.2	2.4	3.1	0.8	411	5/23/2016	6		21	397	29569	956	847	33561	1107	934	735	890	105
	9/24/2016	2 P		3.00					412	6/4/2016	1	35	22	350	27899	1133	891	32967	1315	1026	899	630	232
17				3.25	81.6	3.9	3.6	0.4	413	5/23/2017	2		35	32	699	29	28				523	-123	162
27		C		3.00	45.5	5.3	4.1	1.1	414	6/4/2016	6		28	385	18131	1005	664	18434	1015	656	-309	239	316
54	11/20/2016	4 P		3.25	37	4.4	3.6	2.1	415	6/7/2016	6		22	382	23564	901	770	27886	1050	892	311		
66	11/11/2016	3 P		3.00	34.1	4.8	3.8	2.4	416	6/11/2016	6		24	378	20897	915	673	23963	1039	738	4	82	193
348	10/21/2016	2 P		2.50	45.5	3.3	3.3	4.8	417	6/12/2016	6		24	377	21325	758	655	24098	859	715	-158	260	11
38				3.00	60.7	4.4	3.4	1.6	418	5/24/2017	2		35	31	469	22	18				-313	139	44
	10/8/2016	2 P		4.25					419	6/18/2016	1	28	22	343	19262	765	630	23016	907	739	-124	83	57
	9/23/2016	1 P		3.50					420	6/26/2016	1	42	29	321	18050	776	611	20745	889	692	-274		

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scc	date bred	X-br e Code d	Repro Code	BCS	Test Day Production				Cow No.	status... date code	days	age @ dry calving	Current Lactation						ERPA \$\$ Dev	PTA milk	Net Merit \$\$\$
					milk #	fat %	protein %	s c					days in milk	milk #	fat #	prot #	Mature milk #	Equivalent fat #	prot #		
1000's																					
71	2/18/2017	1	P	3.00	61.6	4	3.2	2.5	467	12/9/2016	6	24	197	11668	509	366	21905	932	696	-91	91
	9/20/2016	3	P	3.25					469	4/9/2016	1	49	84	30886	1242	983	23206	949	743	61	54
800				3.00	127.1	3.5	2.7	6	470	3/21/2017	2		91	95	9492	358	261			731	
115	5/6/2017	2		3.00	85.4	2.8	3	3.2	471	12/11/2016	6	26	195	14766	570	430	28203	976	840	332	269
19	3/14/2017	1	P	3.50	73	3.8	2.9	0.6	472	12/12/2016	6	23	194	11819	503	352	24153	985	732	66	141
20	3/6/2017	2	P	3.25	81.6	3.9	3.2	0.7	473	12/16/2016	6	22	190	11919	480	376	26135	1044	863	347	146
13	4/14/2017	1	P	3.25	121.4	3.6	3	0.1	474	2/22/2017	2	90	122	11550	374	355	24391	879	784	868	-50
400	5/8/2017	2		3.00	101.5	2.6	2.7	5	475	12/19/2016	6	23	187	15647	510	420	33325	993	911	596	190
20	3/22/2017	2	P	3.25	92	2.8	3	0.7	476	12/11/2016	6	23	195	14964	532	438	30485	994	908	507	228
57	3/4/2017	1	P	2.75	71.1	4.3	3.4	2.2	477	12/25/2016	6	23	181	12612	558	379	25729	1123	785	279	

Somatic
Cell
Count
(1000's)

P Pregnant
W Preg W Twins
N Open
C Do not breed

Body
Condition
Score

Somatic
Cell
Score
(linear)

Status Codes

1 Dry
2 Milking 2nd lactation or greater
6 First Lactation

Prepared by K.L. Heckaman, Purdue Extension - Kosciusko County, Warsaw, IN & L. Glista, NorthStar Cooperative, E. Lansing, MI