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Pennsylvania Dairy Herd Improvement Association

DHIA Service Center, Orchard Road, University Park, PA 16802



more valuable tool as we head into the next century.

Working together is the way to accomplish our goals. Placing blame is just another stone to step over.

Let us know how we can help and serve you.



Where's your mustache?

# 15<sup>th</sup> Nittany Lion Fall Classic Sale Held At Penn State

JUDITH PATTON  
Union Co. Correspondent  
UNIVERSITY PARK, Centre Co.) - Higher milk prices this fall brought an enthusiastic crowd to the Penn State Ag Arena on November 7<sup>th</sup> for the 15<sup>th</sup> annual Nittany Lion Fall Classic Sale.

Jointly managed by the Penn State Dairy Science Club and the Pennsylvania Holstein Association, the sale grossed \$97,650, averaging \$1,878 on 52 Holsteins.

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Buyers of the high seller are, from left, are Harry and William Mosholder on behalf of Matthew Mosholder of Rockwood, who bought Reeber Astre Gorgeous from co-signor Emily Cloninger of Centre Hall, represented by her mother Ellen and her sister Rebecca, for \$4,000. Sale chairman was Chris Connelly, assisted by Diane Glock. In the auctioneer's box are Mike Weimer and Harry Bachman.

## Dairyman To Dairyman

GEORGE CUDOC

PA DHIA  
Consulting  
Dairyman



Increased milk protein levels can be a sign that more rumen degradable carbohydrates are present in the diet. Milk pounds are less in October and days-in-milk are virtually unchanged.

The next step is to answer the "what-to-do" question.

Here I needed help from this dairyman's nutritionist.

We reviewed the same questions and comments that I had discussed with the dairyman. We talked about possible solutions and the nutritionist indicated that the new protein mix was to be delivered the following Monday. He recommended adding urea to the diet to increase the soluble or degradable portion of the protein.

Once again, we see ways to evaluate our day-to-day feeding management with DHIA tools like MUN.

PA DHIA is committed to educating dairymen and their on-farm professionals to make DHIA a situation.

**QUESTION:** Why did my MUN (milk urea nitrogen) go down this month, when I know for sure that protein levels and composition remained the same? I talked to my nutritionist and he said that the MUN test must be wrong this month.

**ANSWER:** Please do not stop reading this!

I know the question sounds like one that we addressed a very short time ago, but I assure you that it is different.

The beauty about MUN testing is further exemplified in this herd situation.

August test day showed a MUN at 13.5 for the herd and, as always, we looked at the various breakdowns to find that this average held up across the herd.

Next month the MUN changed slightly to 12.9 and again the range was acceptable and herd performance was increasing throughout.

Now, October test day has MUN dropping to 6.6, production has fallen off, and the dairyman is not happy.

Naturally the feed man is to blame, and he in turn shifts the blame to the DHIA lab.

After about a week of pointing the finger and not solving the problem of falling production, I got a call from this dairyman.

The following is what we talked about and the recommended solution.

After a few questions, it became very clear that this dairyman knew his cows and is very in tune with changes that happen on his farm.

The biggest change that happens to most farms during October is feeding new crop silage.

The dairyman told me he felt the new silage was much better than the old because of the higher amount of corn grain in this year's crop.

He started to feed the new silage about three weeks prior to milk test day.

His observation about his feed adds to the information that his cows tell us when we look at their MUN.

Low MUN says that his cows need more rumen degradable protein.

His observation about his corn may suggest that rumen fermentable carbohydrates have increased. No haylage is fed and dry hay makes up the rest of the forage intake.

The hay is still the same crop that he has been feeding. His protein concentrate make-up has not changed for two months.

Now that we have the basic information needed for coming to some conclusion, we can look at other performance parameters to guide us in our planned solution.

Milk fat has been the same for the last three test periods, with a slight increase of 3.6 percent to 3.8 percent as we tested in October. This suggests that even if the corn silage has more grain, thus more rumen fermentable carbohydrates, we have not created an acid rumen environment. We are safe at current fiber and concentrate levels.

Milk protein levels have also been steady with a slight increase from 3.1 percent to 3.2 percent in October.

# Weigh Better On Your Bottom Line

Pioneer® brand corn hybrids deliver more yield, more value and **MORE BOTTOM LINE POWER.**

COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE	
BEILER FARMS	PIONEER	33V08 (BT)	203.9	16.8	57.0	\$400.43	
	PIONEER	33Y18	202.1	16.0	59.5	\$400.19	
RONKS, PA LANCASTER COUNTY	PIONEER	33G26	208.5	17.7	58.5	\$405.78	
	DOEBLER S	636XY	197.5	18.0	54.5	\$383.06	
PLANTED 4/28/98 HARVESTED 10/2/98	PIONEER	33A14 (BT)	231.7	18.7	56.0	\$446.35	
	PIONEER	33Y09 (BT)	213.1	18.0	57.5	\$413.42	
JAY BOMGARDNER	HYTEST	BH4880	145.3	18.6	58.5	\$280.18	
	PIONEER	33A14 (BT)	202.4	20.9	58.0	\$380.99	
	HYTEST	HT7748	166.4	22.9	54.0	\$306.55	
EPHRATA, PA LANCASTER COUNTY	PIONEER	33G26	187.4	20.1	57.0	\$355.74	
	GARST	8464	179.6	20.6	55.0	\$339.11	
PLANTED 5/21/98 HARVESTED 11/2/98	PIONEER	33Y09 (BT)	182.9	18.0	57.5	\$354.77	
	GARST	8396	171.6	20.1	55.0	\$325.63	
TED ESBENSHADE	PIONEER	3335	206.7	18.9	57.0	\$397.34	
	LG SEEDS	LG2579	183.1	19.5	55.5	\$349.81	
	PIONEER	33Y18	198.5	18.0	58.0	\$385.12	
MANHEIM, PA LANCASTER COUNTY	LG SEEDS	NB T595	142.3	22.9	54.0	\$262.08	
	PIONEER	33V08 (BT)	192.6	20.0	55.0	\$365.95	
PLANTED 5/20/98 HARVESTED 11/4/98	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	TED ESBENSHADE	PIONEER	33Y18	170.3	16.5	59.5	\$335.46
MANHEIM, PA LANCASTER COUNTY	DEKALB	DK546	142.9	17.2	56.5	\$279.52	
	PIONEER	33V08 (BT)	175.2	18.2	58.0	\$339.22	
PLANTED 5/20/98 HARVESTED 11/4/98	NK BRAND	MAX496	161.9	18.5	58.0	\$312.54	
	PIONEER	33A14 (BT)	186.0	19.2	58.5	\$356.38	
COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE	
	FT LOUDON, PA BEDFORD COUNTY	NK BRAND	N75-T2	152.6	20.8	57.0	\$287.57
PIONEER	33Y09 (BT)	180.2	17.8	58.5	\$350.29		
ELWOOD MYERS	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	FELMLEE S DAIRY	PIONEER	3260	115.5	26.0	58.0	\$205.67
WAYNESBORO, PA BEDFORD COUNTY	MYCOGEN	TMF113	108.2	28.0	56.0	\$184.87	
	PLANTED 5/18/98 HARVESTED 10/7/98	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.
ELWOOD MYERS	PIONEER	3260	196.6	21.9	55.0	\$366.14	
	PIONEER	3140	229.7	21.9	54.0	\$427.76	
WAYNESBORO, PA BEDFORD COUNTY	PIONEER	33Y09 (BT)	238.2	18.7	56.0	\$458.69	
	DOEBLER S	636XP	181.0	17.6	54.0	\$352.66	
PLANTED 5/16/98 HARVESTED 10/19/98	DOEBLER S	75X2	188.4	21.2	54.0	\$353.41	
	DOEBLER S	337XP	185.6	19.1	54.0	\$355.93	
PIONEER	3217	197.3	19.3	55.0	\$377.68		
PIONEER	33G26	212.5	16.8	57.0	\$417.36		

COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE	
ELAM S STOLTZFUS	PIONEER	33A14 (BT)	136.5	27.9	52.0	\$237.80	
NARVON, PA LANCASTER COUNTY	NK BRAND	MAX607	115.8	29.4	51.0	\$198.33	
	PLANTED	5/25/98	HARVESTED	10/16/98			
ELMER G STOLTZFUS	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	HONEY BROOK, PA LANCASTER COUNTY	PIONEER	33Y09 (BT)	190.6	21.2	57.5	\$357.64
DOEBLER S	75X MOD	160.5	28.7	51.5	\$277.02		
PLANTED	4/30/98	HARVESTED	10/16/98				
CATALPA FARMS	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	MIDDLETOWN, PA LANCASTER COUNTY	PIONEER	3523	247.7	19.9	\$471.20	
DOEBLER S	679XP	200.1	21.14	\$374.57			
PLANTED	5/23/98	HARVESTED	11/7/98				
DAVID W MARTIN	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	EPHRATA PA LANCASTER COUNTY	NK BRAND	MAX454	168.3	17.1	57.0	\$329.52
PIONEER	3394	186.3	17.7	57.5	\$362.44		
PIONEER	33V08 (BT)	190.8	19.2	58.0	\$365.49		
PLANTED	5/25/98	HARVESTED	11/2/98				
DALE HOFFMAN	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	RICHFIELD PA SNYDER COUNTY	NK BRAND	MAX496	119.8	23.4	57.0	\$219.46
PIONEER	33V08 (BT)	132.5	24.2	58.0	\$240.66		
PLANTED	5/28/98	HARVESTED	11/2/98				
STERLING S ALBAN	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	MANCHESTER, MD CARROLL COUNTY	DEKALB	DK546	171.4	17.5	57.0	\$334.23
PIONEER	34K77	187.6	17.7	58.0	\$361.23		
DEKALB	DK546	170.4	17.9	57.0	\$330.88		
PIONEER	34K77	189.0	18.9	58.0	\$363.33		
PLANTED	5/1/98	HARVESTED	10/17/98				
ARNOLD DILLER	COOPERATOR	BRAND	HYBRID	YIELD	MST.	TEST WT.	INCOME/ACRE
	WAYNESBORO, PA BEDFORD COUNTY	PIONEER	33Y18	201.6	20.8	56.0	\$379.90
DOEBLER S	75X2	165.1	26.3	53.0	\$292.84		
PLANTED	5/26/98	HARVESTED	10/19/98				

Pioneer® brand hybrids with the YieldGard® gene 1 Registered trademark of and used under license from Monsanto Co. Adjusted Gross Income calculated with corn at \$2.00 per bushel and drying costs of \$0.02/point of moisture. Yield is represented in bu/A at 15% moisture.



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