

dhia

Scott Williams
Training Coordinator

Call 1-800-DHI-TEST, fax (814) 865-3294
Web site <http://www.dhia.psu.edu>
Pennsylvania Dairy Herd Improvement Association
DHIA Service Center, Orchard Road, University Park, PA 16802

begin to solve these problems.

Milk fat test is not only the oldest of the component tests, but still the most important because it reflected of rumen health of the dairy cow. We know that cows typically produce milk in the early weeks of lactation and should have a butterfat test above the norm.

As lactation proceeds, fat tests will go down as milk peaks and is then followed by a gradual increase in fat test.

Looking at butterfat tests for cows in early lactation which are below normal (3.8 percent in Holsteins) may not seem significant now, but will rumen acidosis occur causing laminitis later in the lactation?

What about high fat tests? Can we learn from this or does it just indicate higher prices for our milk?

Very high tests in early lactation might mean our cows are burning fat reserves at a very rapid rate and we may need to contact our vet about cows with ketosis.

The key in using milk fat as a measure of rumen health is to try and ward off problems that may rob us of profits later. Poor performance and having to treat sick cows are huge profit robbers.

Milk protein has overtaken but-

terfat as the largest basis of payment to farms, except for a rare situation. This is reason enough to learn to use the component test to help manage our nutrition program.

Low protein tests tell us more than the fat that we will receive less money for our milk.

Low protein tests along with high butterfat usually indicates low dry matter intake, which is often associated with metabolic disorders such as ketosis.

Drops in protein test alone indicate a shortfall in energy consumed by our cows. This may be due to reduced dry matter intake or a lack of fermentable carbohydrates in the diet.

Try to evaluate the cause of the low protein test and you will be on track to solve the problem.

Factors that relate to cow comfort are targets when dry matter intake is the problem.

Poor ration formulation or delivery can be causing low protein tests even when the cows' environment is at an optimum.

MUN testing is the newest component test available in PA DHIA and can have significant impact on the bottom line performance in our herds.

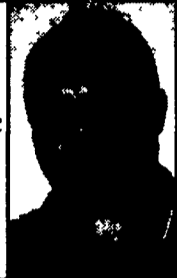
Individual cow testing for MUN, like butterfat and protein, can help us to evaluate nutritional performance and gives insight to pinpointing problems associated with the nutritional needs of our cows. In general, high MUN values tell us that protein utilization is not what it should be.

Overfeeding protein, of course, may be the problem but more often than not the problem is a combination of less-than-desirable carbohydrate levels and too much of the wrong kind of protein.

The use of MUN, along with protein tests, can lead the way to successfully feeding our cows.

Dairyman To Dairyman

GEORGE CUDOC
PA DHIA
Consulting
Dairyman



when butterfat and protein were used mostly to identify superior cows in genetic evaluation. Milk payment basis also relies heavily on these two tests, but in the past, the way to increase pay was to breed your cows to have higher tests. Little was done to sharpen management skills because of component testing.

Today's modern dairyman works with on-farm professionals who look at component testing in a much broader scope.

DHIA fat and protein information can tell us a lot about the nutritional well-being of our dairy cows. Providing individual data that can be sorted into groups can help pinpoint specific places to start our quest to improve our nutritional management. This is much more useful than bulk tank information which gives us ideas that problems exist, but no information as to where we should

QUESTION: We have recently moved into a parlor with electronic equipment and we were told that component tests were unnecessary. Is there a way to use component tests to help manage our herd?

ANSWER: The best way I know to answer is to refer to piece that was written a year ago.

Component testing today can be used in ways that are much more significant now than years past

ATTENTION PARENTS

**Advice from former teacher
For Your Child
No More Ritalin or Drugs**

All natural solution to:

- Learning disabilities
- Attention Deficit Disorder (ADD) And ADHD
- Hyperactivity
- Improved school grades and behavior
- No more fidgets and depression
- Improved sleep - relief from bedwetting

Try all natural herbal standardized products

Send \$5.00 for information packet, testimonies and \$10.00 coupon.

Order today from: **Sandra Davis & Associates**

P.O. Box 427, Springfield, KY 40069

Or Call 606-336-7749 to begin program today!

We accept Visa, Mastercard, Discover or C.O.D.

We have monthly newsletter!

Lancaster Farming
Check Our Web Site

www.lancasterfarming.com





provides personal service to every customer. That keeps us one step ahead of the rest.



- Weight-Tronix Feed Mill
- Transport Augers

- Bucket Elevators
- Stirring Systems
- Utility Augers

- Feed Bins
- Wet Tanks
- Grain Bins

- Air Drying Systems
- Grain Dryers
- Parts & Motors



AUTOMATIC BATCH OR CONTINUOUS FLOW GRAIN DRYERS



The Competitive Edge
"Smart system" eliminates guesswork
Grain Dryer
On Display at Ag Progress

Call Us For Your Grain Dryer Service Work - 24 Hour Service... School Trained Technicians



MODEL 40 GRAIN CLEANER
Also available up to 3,000 bu/hr. capacity
In Stock Now.
Call For Pricing 



HIGH CAPACITY GRAIN UNLOADER



FASTIR™ STIRING MACHINE



Westfield Grain Augers
6 MONTHS NO INTEREST
NO PAYMENTS AVAILABLE
BUY NOW, SAVE NOW
8" & 10" Transport Augers (In Stock)

★ Full Line Parts Dept. ★
★ Sell, Service & Install ★



Rt. 272 South
14 Herrville Road
Willow Street, PA 17584
Ph. 717-464-3321 or
Toll Free 800-732-0053

Mon.-Fri. 6:30 am to 8 pm
Sat. 7:30 am to 6 pm
Sun. Closed




UPS
Shipping Point

9/4



125 King Court/
Hollander Rd.
New Holland, PA 17557
(717) 354-9611

Contact Us For
Literature Or
The Dealer
Nearest You!

WELL BALANCED, RUGGEDLY BUILT FOR MANY YEARS OF TROUBLE FREE SERVICE

380 SERIES PORTABLE ELEVATORS
A Versatile Economical Elevator For Bales and Ear Corn



880 SERIES BALE ELEVATOR AND MOW CONVEYOR



A Full Line Of EFFICIENT BELT DRIVE FANS

Exhaust Fan w/Housing & shutter
24", 36", 48"

36" & 48" Portable Circulating Fans

ZIMMERMAN CUSTOM BUILT UTILITY TRAILERS



RT SERIES



FRT SERIES

RT and FRT Series Trailers Available in 5000# thru 12,000# GVW
We Also Build Other Models, Sizes, and Capacities. Call For Information