

On The Record

Dick Barth

PA DHIA General Mgr.



Prostaph Update Due

It's been a long time since members and others have had any new information about the ELISA test for Staph. aureus mastitis (known as Prostaph I) that was introduced last January. An update is overdue.

What is ProStaph I? It is a rapid test of a non-sterile milk sample (that is, a DHIA sample) for the presence of the antigen that a dairy cow produces when she is infected with Staph. aureus mastitis.

In theory, the test results should correlate with the presence of Staph. mastitis: a negative meaning no mastitis, a positive meaning infection.

There have been quite a few articles about this test this year in trade literature. If you have followed them, you know that there is considerable debate about what the test results mean.

The original research done at Penn State last year showed that a negative test result was very reliable, but a positive result had about a 50% probability of truly being positive for Staph. aureus mastitis.

More research has been underway at Penn State this year and should be over soon. It is hoped this latest information will reveal more about the reliability of a positive test result.

Differing opinions between researchers in states where research has been done has been a real obstacle to the uniform adoption of this technology across the U.S. Some states are using the ProStaph I analysis quite extensively. Other states have been slower to adopt.

For that reason, DHIA Services, the subsidiary of National DHIA

that introduced the test, will convene mastitis researchers at the National Mastitis Council Annual Meeting next February to discuss their findings. It's hoped that a common discussion will provide a common basis for understanding and a uniform proposal for use of test results.

More information should be available when the latest Penn State research is completed.

FOCUS

Pennsylvania Dairy Herd Improvement Association

Call 1-800-DHI-TEST for service or information

How Does Your Herd Compare?

STATE COLLEGE (Centre Co.) — This data is pulled from Pennsylvania DHIA's mainframe computer each week. It is a one-week summary representing approximately one-fourth of the herds on test, as they are tested monthly.

*Feed Consumed Per Cow Per Year(Lbs)

A: Grain	6,891
B: Hay	2,529
C: Silage	14,563
D: Day Pasture	67

*Feed Cost Per Cow Per Year(\$)

A: Grain	551
B: Hay	109
C: Silage	220
D: Pasture	20

*Total Feed Cost Per Cow Per Year(\$)

902

*Income Over Feed Costs Per Year(\$)

1,602

*Grain to Milk Ratio

1:2.4

*Feed Cost Per CWT Milk(\$)

5.33

Avg Level For 1,183 SCC Herds

343,274

*Member generated figures

These data are valuable from a business management standpoint and can be used for comparing your operations to the averages from almost 1,400 herds across the state.

DHIA Averages for all herds processed between 10/08/90 and 10/15/90

Number of Herds Processed	1,404
Number of Cows Processed	82,306
Number of Cows Per Herd	58.6
Milk Per Cow (Lbs)	16,936
%-Fat	3.66
Fat Per Cow (Lbs)	621
%-Protein	3.18
Protein Per Cow (Lbs)	538
Average Days in Milk Per Cow	315
*Value for CWT Milk(\$)	14.79
*Value for CWT Grain(\$)	7.99
*Value for CWT Hay(\$)	4.33
*Value for CWT Silage(\$)	1.51
*Value for Pasture Per Day(\$)	.31
*Value for Milk Per Cow Per Year(\$)	2,505

IT'S MORE THAN ONE TRACTOR.



Here's one tractor that does more work than a half dozen tractors combined. Put it to work on any kind of farm chore. Plowing. Cultivating. Loading. Mowing. Backhoeing. Hauling. And, like we said, more.

The L3350 has a strong 4-cylinder diesel engine, rated at 32 PTO horsepower. It also has direct injection for good fuel economy and quick starts. Longer intervals between oil changes, too.

A couple of other features make this Kubota tractor a real workhorse. An 8 x 8 partially synchronized transmission for easy shifting. Position and draft control for more accurate implement placement.

So come in and take a look at the Kubota L3350. You'll think you're seeing double.

KUBOTA
Nothing like it on earth.™

CHANGE DIRECTIONS WITHOUT CLUTCHING WITH KUBOTA HYDRAULIC SHUTTLE SHIFT IN STOCK
LET US DEMONSTRATE

YOUR FULL LINE KUBOTA PRODUCT HEADQUARTERS
• INVENTORY • PRICE • KNOWLEDGEABLE SALES STAFF
• SERVICE EXPERIENCE

OVER 100 NEW KUBOTA TRACTORS IN STOCK!

KUBOTA

FINANCING OR CASH DISCOUNTS AVAILABLE

WE SHIP PARTS UPS DAILY

TRACTORS & EQUIPMENT

Serving Central PA Since 1921

CALL FOR DETAILS ON LEASING

LEBANON

Rt. 87, Box 486, Lebanon, PA 17042
W. 419 1 mile West of Schaefferstown

717-949-2000

STORE HOURS
MONDAY-FRIDAY 7:30-5:00
SATURDAY 7:30-12:00

2 Locations

LANCASTER

1998 Fruitville Pike, Lancaster, PA 17601
At Route 30 & Fruitville Pike

717-569-2500

PENNSYLVANIA'S LARGEST KUBOTA DEALER

MILK AMERICA'S HEALTH KICK



Get the tractors that work as hard as you do.

Parks, golf courses, landscaping contractors, rental yards and home owners are discovering they don't need to be workaholics to get a lot of work done. And they can have a lot of fun doing it.

You just need an M-F Compact tractor.

That's because M-F Compacts have the big-tractor features, comfort and reliability you want; in the compact, nimble size you need.

See us today for the M-F "Workaholic" that's just right for your needs.

- ★ 16 to 35 hp,* 3-cylinder diesel engines
 - ★ 2 or 4-wheel drive models with differential lock
 - ★ 540-rpm PTO, 3-point hitch and hydraulics
 - ★ No-shift hydrostatic drive on select models
 - ★ Designed for all-day operator comfort and efficiency
 - ★ Vast selection of attachments and implements
- * Manufacturer's rated engine horsepower

ARNETT'S GARAGE
Rt. 9 Box 125
Hagerstown, MD
(301) 733-0515

PEOPLE'S SALES & SERVICE
Oakland Mills, PA
(717) 463-2735

LEBANON VALLEY IMPLEMENT CO.
700 E. Linden St.
Richland, PA
(717) 866-7518

CTF SALES & SERVICE, INC.
Comly's Turf Farm, Inc.
Forest Grove Rd.
Wycombe, PA 18980
(215) 598-7157

M.M. WEAVER & SON
N. Groffdale Rd.
Leola, PA 17540
(717) 656-2321

TRIPLE H EQUIPMENT
Peach Bottom, PA 17563
(717) 548-3775

N.H. FLICKER & SONS, INC.
Maxatawny, PA
(215) 683-7252

D.W. OGG EQUIPMENT CO.
5149 Cap Stine Road
Frederick, MD 21701
(301) 473-4250

SCHREFFLER EQUIPMENT
Pitman, PA
(717) 648-1120

LAWN CARE OF PA
Martindale, PA 17549
(215) 445-4541

R.W. KELLER SALES
Perkasie, PA 18944
(215) 257-0101

S.G. LEWIS AND SON
West Grove, PA
(215) 869-9440
869-2214



MASSEY-FERGUSON
A Division of WARTV