

Facts for dairymen

By Alan Bair
Assoc. County Agent
Lancaster, Pa

Sampling For Forage Testing

Some dairymen do not use forage testing because they feel that samples taken will not be sufficiently representative of their supply. Field or farm difference and dependency on purchased hay are some of the factors which often concern them.

During a recent visit with Dick Adams at Penn State's Forage Testing Laboratory he indicated that these fears or excuses for not testing are not substantiated by observations of tests obtained from farms where forages have been sampled at almost monthly intervals. Surprisingly little variation occurred among major types or cuttings of forage in a given year. Even more surprising, shipments of purchased hay did not vary appreciably.

Forage analysis and feed programming can be a useful tool even on farms covering large acreages and those purchasing forage. It enables closer balancing of rations compared to the use of average analysis or general feeding guides. This may result in improved animal performance and/or decreased feed costs.

Hay samples may be taken

as soon as the hay is low enough in moisture to keep safely without artificial curing. Corn silage samples may be taken at ensiling or feeding out. Samples should not be taken at ensiling unless the moisture level is sufficiently low to prevent appreciable seepage. Samples of silage other than corn should be taken only at feeding out. This makes possible adjustments in feeding value, due to heat damage which may have occurred during ensiling.

Both standard analysis and mineral tests should be obtained in most cases. Sulfur tests should be obtained periodically. Nitrate and NPN tests should be reserved for problem situations in most instances.

Legume or mixed mainly legume forages should be sampled separately from grass or mixed mainly grass forage. First-cutting forage should be sampled separately from aftermath cuttings which may be combined. Each silo of material should be sampled on large farms. More than one sample should be submitted from extremely large silos.

Lancaster Co. DHIA

(Continued from Page 87)

| | | | | | | | |
|------------------------------|-----|------|-----|--------|-----|-----|--|
| Paul S. Horning | | | | | | | |
| Betty | GrH | 4-1 | 305 | 18,525 | 4.0 | 738 | |
| Tiny | GrH | 9-2 | 305 | 16,665 | 4.2 | 699 | |
| Elaine | RH | 3-2 | 305 | 17,873 | 3.7 | 654 | |
| Triple H Farms | | | | | | | |
| 346 | GrH | 4-10 | 305 | 18,640 | 4.0 | 737 | |
| 66 | GrH | 5-9 | 305 | 18,760 | 3.7 | 685 | |
| John M. Weaver & Son | | | | | | | |
| 38 | GrH | 5-11 | 305 | 19,879 | 3.7 | 736 | |
| 85 | RH | 4-0 | 305 | 17,883 | 4.1 | 732 | |
| 48 | GrH | 4-2 | 305 | 13,650 | 5.2 | 708 | |
| 72 | GrH | 3-3 | 305 | 14,154 | 4.9 | 697 | |
| 73 | GrH | 3-1 | 305 | 16,456 | 4.2 | 694 | |
| 18 | GrH | 7-11 | 305 | 18,819 | 3.6 | 678 | |
| Carl L. Martin | | | | | | | |
| Dix O | RH | 3-4 | 303 | 17,335 | 4.2 | 735 | |
| Glenda | RH | 8-4 | 305 | 19,096 | 3.8 | 730 | |
| Melvin I. Beiler | | | | | | | |
| Missie | RH | 6-5 | 305 | 16,649 | 4.4 | 735 | |
| Grace | RH | 6-0 | 296 | 16,494 | 4.0 | 668 | |
| Martin Weaver Jr | | | | | | | |
| Twila | RH | 4-4 | 305 | 19,144 | 3.8 | 734 | |
| Joseph W. Best | | | | | | | |
| 18 | GrH | 6-0 | 305 | 18,975 | 3.9 | 732 | |
| 93 | GrH | 4-11 | 305 | 16,808 | 3.9 | 658 | |
| 43 | GrH | 5-0 | 305 | 16,415 | 4.0 | 657 | |
| David W. Sweigart | | | | | | | |
| 151 | GrH | 5-10 | 305 | 18,569 | 3.9 | 732 | |
| Adin Oberholtzer | | | | | | | |
| L. Norma | GrH | 6-4 | 305 | 16,230 | 4.5 | 730 | |
| Lloyd E. Miller | | | | | | | |
| Irma | RH | 5-1 | 305 | 20,857 | 3.5 | 729 | |
| Springarden Farm | | | | | | | |
| Terrie | RH | 4-1 | 305 | 20,871 | 3.5 | 728 | |
| Leroy M. Oberholtzer | | | | | | | |
| Grace | RH | 7-1 | 305 | 22,779 | 3.2 | 726 | |
| Ann | GrH | 7-2 | 305 | 17,836 | 3.9 | 698 | |
| John U. Glick | | | | | | | |
| Elsie | RH | 4-9 | 305 | 19,242 | 3.8 | 726 | |
| J. Carl Zander | | | | | | | |
| Patti | RH | 4-7 | 305 | 18,874 | 3.8 | 724 | |
| Harry S. Aungst | | | | | | | |
| Carol | RH | 6-2 | 305 | 15,762 | 4.6 | 724 | |
| Lancaster Mennonite Hospital | | | | | | | |
| Nandr 20 | RH | 12-8 | 305 | 15,480 | 4.7 | 724 | |
| Paul H. Krantz | | | | | | | |
| Patsy | RH | 7-1 | 305 | 19,770 | 3.7 | 722 | |
| Anabell | RH | 4-6 | 305 | 17,347 | 4.0 | 687 | |
| Roy H. & Ruth H. Book | | | | | | | |
| Arlene | RH | 5-2 | 305 | 17,017 | 4.2 | 722 | |
| Henry S. DeLong | | | | | | | |
| 176 | GrH | 8-11 | 305 | 19,673 | 3.7 | 719 | |
| Paul H. Rohrer | | | | | | | |
| 64 | GrH | 4-1 | 305 | 18,371 | 3.9 | 719 | |
| Carl L. Shirk | | | | | | | |
| 6 | GrH | 6-0 | 305 | 18,283 | 3.9 | 719 | |

| | | | | | | | |
|-------------------------|-----|------|-----|--------|-----|-----|-----|
| Jay I. Hanck | | | | | | | |
| Wendy | RH | 4-4 | 305 | 15,528 | 4.6 | 718 | |
| Sam & Allen Kreider | | | | | | | |
| Royle | GrH | 5-1 | 277 | 17,602 | 4.1 | 717 | |
| Jade | RH | 3-5 | 305 | 16,609 | 4.3 | 711 | |
| George H. Ballozer | | | | | | | |
| 48 | GrH | 6-0 | 291 | 17,905 | 4.0 | 64 | 714 |
| Raymond & Louise Wilmer | | | | | | | |
| Canary | RG | 5-10 | 305 | 14,437 | 4.9 | 717 | |
| Elan | RG | 4-7 | 305 | 14,055 | 4.8 | 681 | |
| Allen Lee Stoltzfus | | | | | | | |
| Anna | RH | 5-1 | 305 | 17,732 | 4.0 | 711 | |
| Samuel I. Esh | | | | | | | |
| Cathy | RH | 4-5 | 305 | 19,200 | 3.7 | 710 | |
| Danda Farms | | | | | | | |
| Martha | RH | 5-5 | 305 | 16,195 | 4.4 | 710 | |
| Harold M. Shenk | | | | | | | |
| N Y | RH | 10-5 | 305 | 17,697 | 4.0 | 709 | |
| Willis M. Martin | | | | | | | |
| Beatie | RH | 4-2 | 305 | 19,927 | 3.5 | 707 | |
| Clyde M. Buchen | | | | | | | |
| 22 Edit | RH | 5-8 | 255 | 19,422 | 3.6 | 706 | |
| Joseph C. Wivell | | | | | | | |
| Sharon | GrH | 4-0 | 305 | 17,812 | 4.0 | 705 | |
| Sue | RH | 3-9 | 302 | 17,417 | 3.7 | 652 | |

(Continued on Page 89)

WHITE WASHING with DAIRY WHITE

- DRIES WHITE
- DOES NOT RUB OFF EASILY
- NO WET FLOORS
- IS COMPATIBLE WITH DISINFECTANT AND FLY SPRAYS
- WASHES OFF WINDOWS & PIPELINES EASILY

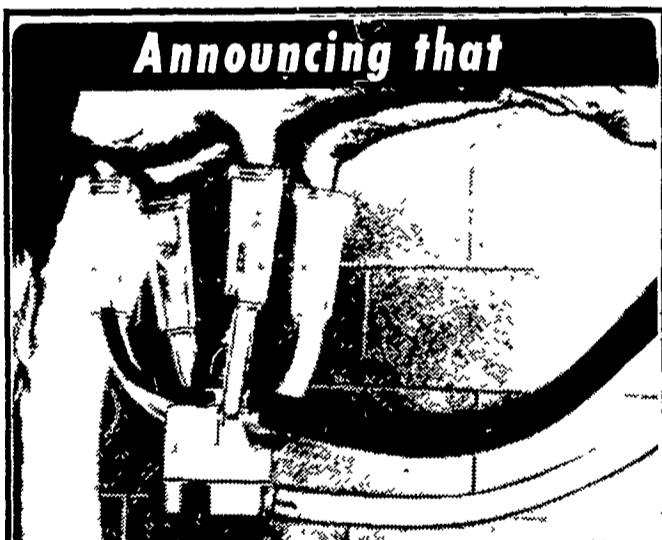
Also Barn Cleaning Service Available With Compressed Air

To have your barn cleaned with air it will clean off dust, cob webs & lot of the old lime. This will keep your barn looking cleaner & whiter longer.

MAYNARD L. BEITZEL

Witmer, PA 17585 717-392-7227
 If no answer call Willard Beitzel 717-733-6357
 We will take on work within 100 mile radius of Lancaster.
 Barn spraying our business, not a sideline,
 Spraying Since 1961

READ LANCASTER FARMING FOR FULL MARKET REPORTS



We Sell and Service the...

NEW MODEL 70's
Zero Concord
 TWIN-VACUUM PIPELINE
 MILKING SYSTEM
 - WITH COW MONITOR

Used Tanks & Milking Equipment
 DUMP STATIONS VACUUM PUMPS
 SPUTNICKS BUCKET MILKERS
 NEW AND USED COMPRESSORS ALL SIZES

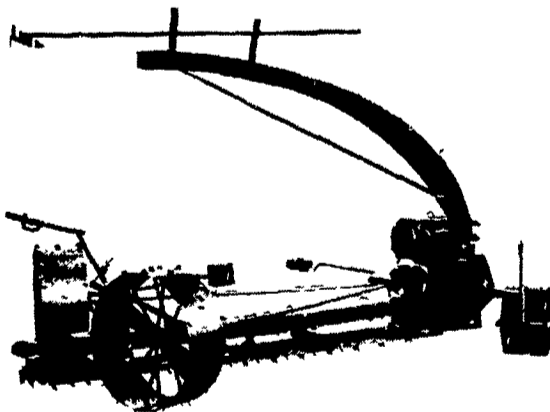
J. M. HORST SERVICE CO.

Box 231, Quentín, PA Phone (717) 274-1242

Zero - PIONEER OF FARM BULK MILK COOLERS

PATZ

98B Silo Unloader



- 30" drive wheels
- Adjustable impeller blades
- Gathering chain with cutters & rakers
- Positive frost cutter

Silo unloading - Feed handling - Manure handling

Patz has the Equipment Patz has the Personnel Patz means confidence — depend on it.

Contact your nearest Patz dealer listed below

George Heath, District Manager 2618 Arcona Road, Mechanicsburg, PA 17055 697-5466

ALEXANDRIA

MAX ISENBERG
669-4027

HAMBURG

H. DANIEL WENGER
488-6574

MILLERSBURG

LANDIS LABOR SAVERS
692-4647

BALLY

LONGACRE ELECTRIC
845-2261

HONEY BROOK

ZOOK'S FARM STORE
273-9736

MILTON

LANDIS FARMSTEAD AUTOMATION
437-2375

CAMP HILL

LLOYD SULTZBAUGH
737-4554

KIRKWOOD

LANDIS & ESBENSHADE
786-4158

NEWVILLE

FRED B. MCGILLYRAY
776-7312

EAST EARL

ZIMMERMAN EQUIPMENT
445-6409

LEBANON

MARVIN HORST
272-0871

PIPERSVILLE

MOYER FARM SERVICE
766-8675

ELLIOTTSBURG

CARL BAER
582-2648

MALISTERVILLE

CLAIR SANER & SON
463-2234

THOMASVILLE

KENNETH L. SPAHR
225-1064