

Newspapers And Molasses Make Nutritious Cattle Feed

When mixed with molasses, ground-up newspapers make a nutritious feed for cattle, according to Earl M. Kesler and associates at Penn State University.

Heifers fed on a newspaper-molasses mixture gained weight and appeared as healthy as another group of "control" heifers eating a standard high quality feed supplement, it was observed by Dr. Kesler, A. E. Branding, and P. T. Chandler of the Agricultural Experiment Station at Penn State.

The experimental heifers gained about 17 pounds a day compared to 25 pounds a day for the control heifers. The newspaper-molasses supplement of 32 percent ground paper, 48 percent molasses and 20 percent soybean meal was fed along with conventional corn silage.

Throughout the 56-day trial, the test heifers ate about two and one-half pounds of newspaper daily. They seemed to digest the newspaper-molasses ration as well as their sisters digested the more traditional feed made up of 75 percent ground shelled corn and 25 percent soybean meal — fed in addition to corn silage.

Considerable interest centers around the concept of providing all of the nutrient needs of cattle in a single feed, Dr. Kesler claims. With this procedure animals can be kept on very limited acreages near population centers. It is possible that newspapers could serve as the source of roughage in such

Get A Faster Winter Start

Trucks and tractors, as well as the family car, often fall victim to cold weather starting failures during the winter months, says Thomas H. Williams, extension agricultural engineer at the University of Delaware. Low temperatures which cause thickening of the oil and reduce chemical activity in the battery are usually a major factor in starting failure.

Williams points out that an engine with 20W oil in the crankcase requires three times as much starting power at zero than at 60 degrees. Because of decreased chemical activity in the battery, however, only one half the cranking power available at 60 degrees is available at zero.

Starting difficulty can be reduced by keeping the engine warm, says Williams.

Among the electrical engine heaters now on the market are dipstick heaters and others which heat the crankcase oil. These low cost heaters are usually rated from 100 to 400 watts and are designed for all night use.

Low wattage headbolt and freeze plug replacement units which warm the engine's anti-freeze and water solution are also widely available.

Many high wattage thermostatically controlled heating units are also on the market. These units are mounted externally and are connected to the engine by two hoses. The engine's water circulates up through the electric heater and back into the engine block by convection currents.

Thermostatically controlled heaters range in size from 400 to 2,500 watts, depending on the coolant capacity of the engine. Units may be plugged in two or three hours before starting time or may be operated throughout the night. They may also be activated by an electric timer to warm the engine just before the car is started.

feeds, Dr. Kesler suggests. Waste paper was ground to varying degrees of fineness in a cutting or hammer-type mill. Both newspapers and magazines were satisfactory. Cane molasses was mixed with the paper. The mixture was then dried, with or without heat, depending upon the amount of molasses used. Dr. Kesler and associates hope to feed the newspaper-molasses ration to milk cows in future experiments.

Every Adult Should Make A Will

Almost everyone owns property — real or personal. This is the reason anyone 21 years old or older should make a will, says Helen E. Bell, extension home management specialist of The Pennsylvania State University.

Making a will is one of the most important acts in an adult's life. A will states in writing just how his possessions are to be divided. Where no will exists, the law of the state in which the property is located determines how it is to be divided, Miss Bell points out.

Sale Register

WED. JAN. 24, 1968, 9:30 A.M.—Blue Ball, Pa. Farm Equipment. We sell on commission. Paul Z. Martin.

SAT. JAN. 27 at 1 P.M.—Public Sale of Valuable Dairy Farm, located 2 mi. S of Quarryville, 1 mi. E of Rt. 222, 14 mi. S. of Lancaster, in East Drumore Twp. Terms by Esther E. Martin.

SAT. JAN. 27, 1968 — Sugar Loaf Farm Sale, Box 1236, R1, Pa. Terms by Anna B. Staunton, Virginia.

WED. FEB. 14, 1968, 9:30 A.M.—Blue Ball, Pa. Farm Equipment. We sell on commission. Paul Z. Martin.

WED. MAR. 13, 1968, 8:30 A.M.—Blue Ball, Pa. Large all-day annual spring sale. Farm Equipment. We sell on commission. Paul Z. Martin.

WED. MAR. 27, 1968, 8:30 A.M.—Blue Ball, Pa. Farm Equipment. We sell on commission. Paul Z. Martin.

Just because a person wants an individual to get specific parts of his worldly goods doesn't determine what happens. All his wishes and good intentions are worth nothing should he die without a will (intestate).

With the help of a competent lawyer, a will protects persons nearest to an individual from legal complications, possible squabbles, injustice, expense, and general unhappiness.

Sale Register

MAY 4, 1968 — Ankony-Hyland Production Sale, Highmore, S. Dak. Adams-Canning Mgrs.

WED. FEB. 28, 1968, 9:30 A.M.—Blue Ball, Pa. Farm Equipment. We sell on commission. Paul Z. Martin.

Mail Box Market

For Sale — Farmall Super H Tractor on steel, New Holland 616 Forage Harvester in good condition. Irvin B. Weaver, R2, Ephrata. Ph. 733-8586.

For Sale — White enamel space heater (oil burner), good condition, 16" wide and 3 ft. high. Call after 6 p.m., 665-5679, Ben Buchen, Mannheim R3, Pa.

Household Goods

UNCLAIMED LAY-AWAY
New 1967 Zag-Zag Sewing Machine must be sold. Built-in controls, does everything. No attachments needed. 5 year Parts & Service Guarantee.
UNPAID BALANCE \$37.40 or terms of \$5.00 per month. No money down. Call Capitol Sewing Credit Mgr., till 9 p.m. LANCASTER 392-4341

SINGER ZIG-ZAG
Sewing Machine, cabinet model, slightly used. Monograms, sews on buttons, blind hems, makes buttonholes. No attachments needed. 5 year Parts & Service guarantee.
UNPAID BALANCE \$58.10 or pay payments of \$5.75 per month. Call Capitol Sewing Credit Mgr., till 9 p.m. LANCASTER 392-4341

PUBLIC SALE

BLACK AND WHITE HOLSTEIN FARM

DAIRY COW SALE PAVILION

along Rt. 230 Bypass directly across from the Comet Outdoor Theatre, just west of Lancaster.

FRIDAY, JAN. 19, 1968

8:00 P.M.

We will have free bus service from the Intercourse Bank at 7:30 P.M. The black & white bus will stop anywhere along the old Phila. Pike. It will take you directly to our sale and return to Intercourse.



30 Grade Minnesota and 20 Hand Picked Canadian Purebred Cows

Fresh or ready to freshen within two weeks

2 years credit terms. Credit can be arranged prior to sale.

CHARLES C. MYERS, Owner

SPECIAL PRICES

on overhaul of tractors and cornpickers during January!

Visit our manufacturers at the Farm Show

- New Idea
- Ford
- Allis Chalmers
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New Holland — Denver

9 MONEYMAKING ALFALFAS

- DuPuit
- Vernal
- Buffalo
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- Cayuga
- Narragansett
- Haymor
- Northwest Common
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8 MONEYMAKING CLOVERS

- Certified Pennscott
- Select Pennscott
- Penna. Medium Red
- Midwest Medium Red
- Mammoth
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- Yellow Sweet
- Tall Sweet

Fresh seed mixed and Inoculated (FREE)

Save with REIST'S Seeds

REIST SEED COMPANY

Finest Quality Seeds (Since 1925)
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Public Sale

of Valuable

DAIRY FARM

Located 2 mi. South of Quarryville, 1 mi. East of Rt. 222, 14 mi. South of Lancaster, in East Drumore Twp., Lancaster County, Pa.

SATURDAY, JAN. 27, 1968

1:00 P.M.

175 ACRE FARM

110 tillable, 35 meadow, 30 woodland. Barn equipped with 43 stanchions, also pens for calves, adjoining building for heifers, 25x75 pole shed loafing barn, 10x55 silo, large milk house with 500 gallon milk tank (Walker Stamp) new unit on bulk tank, new tile milk house, new roof on large bank barn, new water system, new drain field, new Jamesway barn cleaner, not installed.

2 1/2 STORY STONE HOUSE

Slate roof, hot water automatic oil heat, 1 1/2 baths and dishwasher.

Land in high state of cultivation, Spring in pasture.

Looking for a nice dairy farm? Don't miss this sale.

10% down, balance April 1, 1968.

Terms by

ESTHER E. MARTIN
Ph. 717-354-5389

Kreider & Diller, Aucts.
Eaby & Eaby, Attys.