

DAIRY FEEDING TIPS

Giving Cows An Energy Boost

Modern dairymen are turning to high energy grain rations to maximize milk production. That's because cows have a limited rumen capacity. If fed just bulky forages, they could eat only enough to meet maintenance requirements and produce a minimal amount of milk. High energy grains provide additional nutrients needed for higher milk output.

But along with this switch to high energy feeding has come an increase in rumen acids present in dairy cows' digestive systems. Dairy cows with too much acidity sometimes experience depressed butterfat tests, reduced feed intake and lower milk production, says Dr. Richard Adams, a dairy nutritionist at Pennsylvania State University.

One feed ingredient which has been effective in balancing rumen acids is sodium bicarbonate, a compound which occurs naturally in cows' saliva. Not enough saliva is secreted to neutralize acids produced when low fiber, high energy rations are fed. In these cases, supplemental feeding of sodium bi-

carbonate should be considered, Dr. Adams says.

Dairymen feeding sodium bicarbonate should supply it at about .6 percent of dry matter intake. "That's roughly equal to 1 to 1.5 percent in a concentrate mixture or finished feed," Dr. Adams explains.

Milk production, butterfat test percentage and dry matter intake may improve separately or in combination when sodium bicarbonate is added to high energy rations in proper amounts.

Dairymen might consider feeding sodium bicarbonate in combination with other feed ingredients such as magnesium oxide and calcium carbonate, he adds. Recent university research resulted in increases in fat-corrected milk when sodium bicarbonate was fed with magnesium oxide.

Calcium carbonate may neutralize acids in the lower digestive tract in contrast to sodium bicarbonate's neutralizing effect in the rumen. Fed in combination, these ingredients may help correct acid imbalances throughout the digestive system.

SEED CORN



**SEED CORN - SEED OATS - SOYBEANS
SORGHUM SUDAN GRASS - QUICK CROP
SEED AND CORN**

Will make good emergency feed this summer

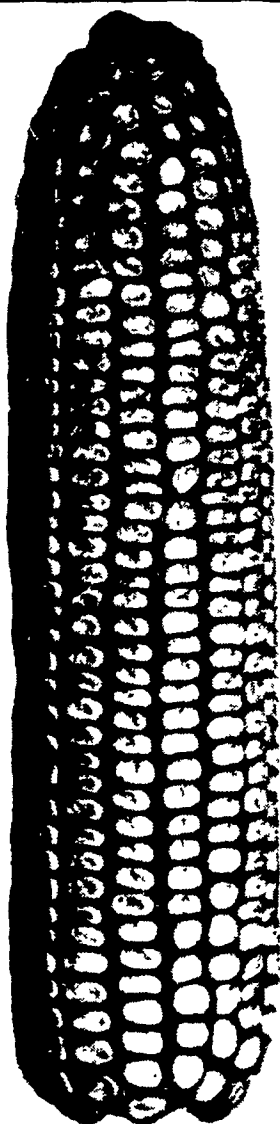
**ALSO FOR SALE
TRUCKLOAD LOTS, EAR CORN, SHELLED
FEED CORN, ROASTED FEED CORN**

Call for delivery & prices

**Congratulations To The
New Dairy Princesses**

- () PLEASE SEND CATALOG AND PRICE LIST
- () IF INTERESTED IN DEALERSHIP, CHECK HERE
- () IF INTERESTED IN GRANGE SALES AGENT CHECK HERE AND MAIL WITH

NAME _____
ADDRESS _____



MUNCY CHIEF HYBRID

Market & High Streets
Muncy, PA 717-546-5981

Plant Muncy Chief
200 Bushel Hybrids
For More Profit

CUSTOM MADE FEED BINS FOR FARMS — FEED MILLS



- Made of 13 gauge Steel
 - All welded seams
 - Gravity Flow or Auger
- Free Estimates

Also - Steel Roof Trusses for
buildings - Portable Hog Buildings
- Bucket Elevators - Grain Augers
Distributors - Flow Pipes &
Accessories

We Sell, Service & Install
Ph: 215-944-7808
STOLTZFUS WELDING SHOP
Owner - Samuel P. Stoltzfus
RD 1011, Dryville Rd.
Fleetwood, PA 19522

Kawasaki Spring Sale Spectacular

HUGE SAVINGS

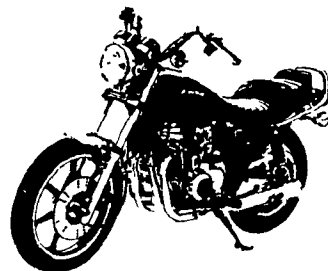


New Bikes At Used Prices!

440 LTD
\$1549



Belt Drive



550 LTD
\$1995

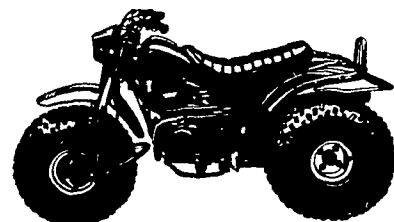
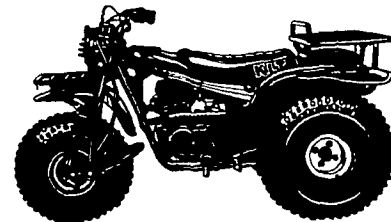
Buy of the year



3 Models In Stock
Ready For
Delivery!

3 WHEELERS IN STOCK!
Quantities Very Limited

MADE
IN
USA!



Differential And
Straight Axle
Models

TRANS-AM
CYCLE SALES INC.
Lititz, Pa.
717-626-4765

Shop Weekdays 9 to 8; Sat. 10 to 2

ABSOLUTE BEST PRICES IN CENTRAL PENNSYLVANIA