

Proper grain storage depends on temperature, moisture

NEWARK, Del. - This year grain yields are up and more grain will be going into storage following harvest. Many farmers added drying and storage facilities this year and they'll have a lot of concern about how well this grain holds up in storage.

Corn that is to be sold by Spring should be dried to 14.5 per cent before going into the bin. Corn that will be held into the Summer or longer should be dried to 13 per cent moisture. Since soybeans contain oil, they have to be stored at lower moistures - 14 per cent or below for short-term storage and 11 per cent for storage into Summer.

After grain is placed in storage, it should be kept cool with aeration. Aeration is a process of keeping dry grain at nearly the same temperature as the outside air to prevent moisture migration in the bin. During aeration a small amount of air - 1/10 to 1/5 cfm (cubic feet per minute)

per bushel - is continuously pulled down through the grain and exhausted at the bottom of the storage bin to equalize temperatures in the grain mass.

Proper aeration reduces the risk of stored grain "going out of condition" from moisture migration, mold growth, and insect infestation. Aeration, however, will not protect grain that is not dried to a safe level before being stored, cautions Williams.

Dried grain placed in storage in the Fall should be cooled down to 40 degrees Fahrenheit by Winter. Begin cooling warm grain as soon as it goes into storage. Run the aeration fans continuously until the grain temperature is down to 70 degrees F. in September. The grain temperature can be checked by holding a thermometer in the exhaust air stream. This is also a good place to smell the grain condition. Musty odors indicate spoilage.

An air flow of 1/10 cfm per bushel will take about a week of continuous running to change the grain temperature. One cfm per bushel will take 15 hours of continuous running to change the grain temperature.

Continue to cool the grain into winter. Cool to 60 degrees F. by the end of

October 50 degrees F. by the end of November, and 40 degrees F. by the end of December. Then maintain the 40 degree F. temperature through March. Do not operate fans for extended periods when the outside temperature is below 30 degrees F. or the grain may freeze. Frozen grain can cause problems in the Spring.

After the grain is cooled down to the recommended average monthly temperature, check its condition once a week by running the fans for about 20 minutes. This permits you to check the temperature, smell for signs of spoilage, and bring

fresh air into the bin. It is best to do this when the relative humidity is below 75 per cent.

To learn more about the design and operation of aeration equipment contact your county agent.

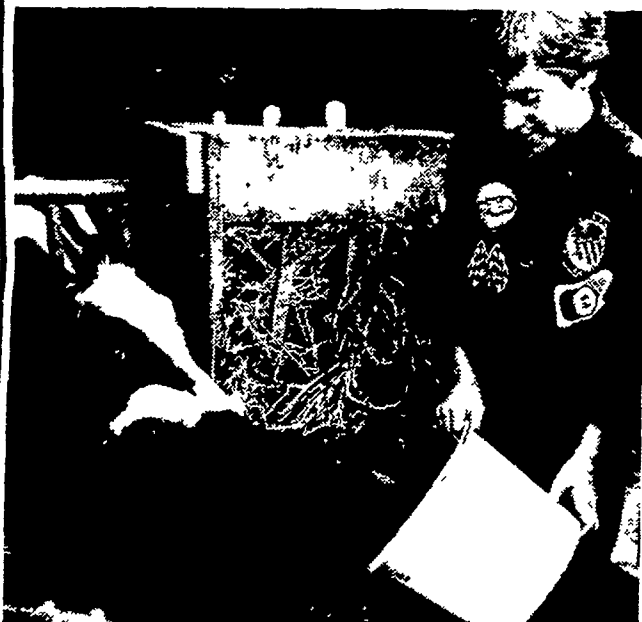
Cedar Crest FFA initiation held

LEBANON - The Cedar Crest FFA had a very active week recently. The week started with the initiation of the greenhands held at the Ammon Peiffer residence. The greenhands were required to go through a course specially designed to test their bravery. The initiation was concluded with food and fellowship in the Peiffer's home.

The members also had an

opportunity to demonstrate their marksmanship at a trapshoot later in the week. The trapshoot was held at the Palmyra Sportsman's Club in Palmyra. Cedar Crest competed against the Annville FFA and won for the third year in a row in the annual event. Paul Miller was the high scorer with 16 hits and was followed closely by Lester Heinaman and Gary Reist with 15 hits each.

INTRODUCING TWO NEW MILK REPLACERS



FROM BEACON!

Now the leader in the establishment of increased energy milk replacers - Beacon - gives you a great new choice

Beacon Super Nurse

The next best thing to whole milk. Formulated for calf raisers who expect the ultimate in performance. An all milk product with a guaranteed mix of 20% protein and 20% fat!

Beacon Calf Nurse

Beacon quality at an economy price. Offers highly satisfactory results with a formulation of 22% protein and 15% fat. One of the best milk replacer values on the market!

Both Super Nurse and Calf Nurse are medicated with chlortetracycline and vitamin fortified. Both are E-Z Mix formulated. And both are great ways to start calves and save money doing it. See your Beacon dealer now. Beacon - headquartered in Cayuga, New York - available throughout the Northeast.

RICHARD B. KENDIG
Special Accounts
Representative
Phone 302-478-3058

CHESTER WIEST
Sales & Distribution
Manager
Phone 717-741-2600

R.E. RUDISILL
Sales & Distribution
Manager
Phone 717-854-2281

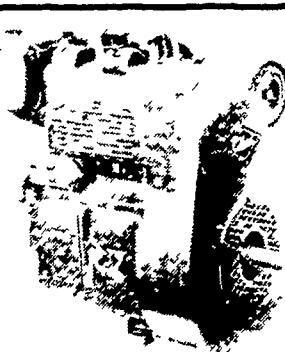
SCOTT HODGSON
Beacon Advisor
Phone 717-292-1252

ISAAC K. LEFEVER
Beacon Advisor
Phone 215-267 7042



York, PA
Phone 717 843 9033

We're employee owned.
That's why we shine.



USED DIESELS

LISTER

LD-1 3 1/2 HP
SR-2 12 HP

PETTER

PH-1 7 HP BA-1 10 HP
PJ-1 10 HP BA-2 20 HP
PJ-4 40 HP VM- 30 HP

LET US KNOW YOUR SERVICE PROBLEMS

HOOVER DIESEL SERVICE

Petter Diesels - Sales & Service
Ph. 717-656-6133
2998 West Newport Rd. Ronks, Pa. 17572

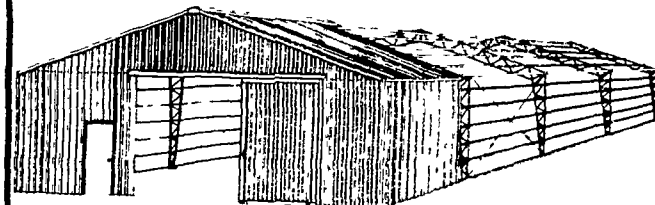
HIGH PRESSURE WASHING

OF POULTRY HOUSES AND VEAL PENS

BARRY L. HERR

1744 Pioneer Road, Lancaster, Pa.
Phone: 717-464-2044

This new farm building costs **40% less!**



- Yes, it costs 40% less than conventional steel buildings!
- It comes in a complete package steel columns and trusses, wood purlins and girts
- You get unobstructed floor space - no poles
- You put it up yourself - the average building takes two men only two weeks or less to construct

It'll be worth your while to get the complete story about this AGRICONOMY building

PARTY CONSTRUCTION CO. INC.

1218 Steuben St. • Utica, NY 13501
Phone 315-724-5593

Or Write:

P.O. Box 366L-55
c/o Lancaster Farming
Lititz, PA 17543

Good News Grain Farmers

Plain and Fancy Ag Enterprises Inc. has increased the size of its Tamaqua Grain Operation. This increase means greater ease of operation for you. Unload time is now 2,500 bu./hr., Storage

Capacity is now 200,000 bu. and Trucking Services are also available.

If we can be of service to you, see us at RD 3, Tamaqua, PA 18252, or call us at 717/386-4597.



Plain and Fancy
AG.
ENT. INC.