

You Can Prevent Silo Gas Tragedy

Suffocating and, in some cases, poisonous gas may be present around silos. Suffocating gas from fermenting silage, mostly carbon dioxide, forms in all silos shortly after filling begins and continues until fermentation stops. Poisonous gas when present is nitrogen dioxide. Its color and density vary with its temperature. At room temperature it is orange yellow and 2½ times as heavy as air. As the temperature rises its color becomes darker and its density becomes lighter. The gas, being heavier than air, collects and remains in any depression or enclosed space when there is not a strong, free movement of air.

Many lives have been lost because of carelessness in entering a silo where there may be danger of gas. Gas is a particular hazard in the belowground silo. The aboveground silo, while not free from gas danger, offers

better ventilation through its doors, and large quantities of gas seldom accumulate unless the doors are put in too far above the silage level.

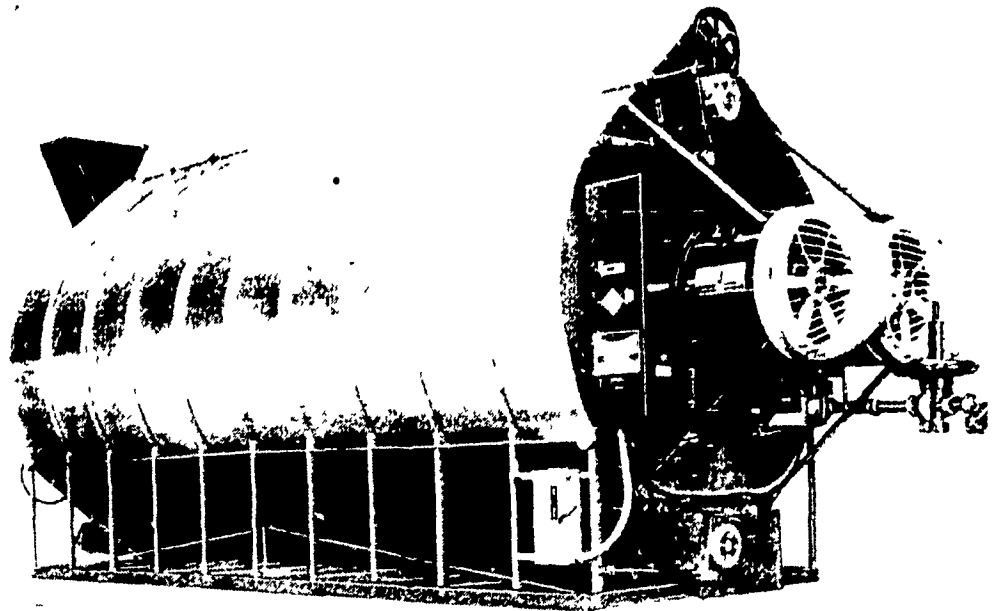
During and immediately after the filling period, run the blower on the silage cutter several minutes before anyone enters the silo. In a deep pit or in any silo into which the distributor pipe does not extend far enough to agitate the air thoroughly, observe carefully to sight any yellowish-orange gas or discoloration that might indicate nitrogen dioxide gas.

You can make an easy test for nitrogen with starch-iodide paper, which turns blue in the presence of nitrogenous compounds. If the paper turns blue when you lower it to the bottom of the silo, stir the air to disperse the gas. You can usually obtain starch-iodide paper from drug stores or chemical supply houses.

To test the air for carbon dioxide, lower a lighted lantern to the bottom. If the lantern continues to burn, it is safe to enter the silo. If the lantern goes out, do not enter until the air has been stirred to dilute the gas. To stir the air, tie to a rope some object such as a basket, a blanket, a large piece of canvas, or a tree branch, and drop it into the silo and raise it a number of times.

Nitrogen dioxide gas, when breathed in sufficient quantities, causes coughing, a choking sensation, and a feeling of extreme weakness. Later the victim may show symptoms similar to pneumonia. If you suspect the presence of nitrogen dioxide and feel any illness, consult a doctor. Danger of nitrogen dioxide gas occurs only during filling and for about a week after.

A victim of carbon dioxide gas suffers from lack of oxygen. Move him into fresh air as soon as possible and apply artificial respiration. Before a rescuer enters the silo, tie a rope securely to him in case it may be necessary to pull him out. Send for a physician, but in the meantime do not relax efforts to restore breathing by methods given in your first aid guide.



What's New

New Dynamill Model C-100, manufactured by Portable Mills, Inc. of Terre Hill, Pa., provides custom operators faster on-the-farm processing of hog, poultry, horse, beef, and dairy feeds.

With this new unit, the operator can pull alongside the customer's grain bin, quickly hook-up Dynamill's flexible-steel suction hose,

unload what's needed, then chop, grind, mix and bag. Each mobile mill is designed to operator's specifications and available with a wide variety of custom options including pneumatic bulk loader, machined air-lock feed discharge, a unique crank-type bagger slide, and in-cab push-button table controls.

Powered by a 125 H.P. GM

Industrial diesel, the unit features a 24 reversible-hammer grinding mill with variable gauge screens, continuous flow, twin-auger blender, exclusive quick-change belt design, and a heated molasses system with automatic metering.

For more information write: Portable Mills, Inc., 419 E. Main Street, Terre Hill, Pennsylvania 17581.

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Flying Farmers Bldg., Wichita, Kansas 67209
[316] 942-1468

IFYE Night Scheduled

For the next few weeks Lancaster County will be hosting Sadettin Unsal, County Agent from Turkey as an International Farm Youth Exchange guest.

An IFYE committee has planned an evening to get acquainted with Mr. Unsal

on Monday evening, September 9th, 7:30 p.m. at the Farm and Home Center. The program will include a dessert buffet and each family attending is asked to bring along a favorite dessert dish. Beverages will be provided.

SPECIAL FALL FEEDER SALES

Friday Evenings At 7:00

September 13 and 27
October 11 and 25

All-Charolais Show & Sale October 18

November 8, 15 and 22

VINTAGE SALES STABLES INC.

Box 100, Paradise, Pa. Lancaster County
The Heart of Pennsylvania
Steer Feeding Country
Anyone Wishing to Consign Cattle Telephone:
Area Code 717-442-4181
KENNETH E. HERSHEY, MANAGER

PUBLIC AUCTION

Fresh or Springing Heifer Sale

THURSDAY, SEPTEMBER 12, 1974

At 7:30 P.M.

To be held at Sechrist Sales Co. Livestock Auction near New Park, Pa.

FRESH and SPRINGING HOLSTEIN HEIFERS

Approx 50 head of mostly top grades, a few registered All from artificial breeding. These heifers are of very good size, good breeding such as Milk & Honey, Ivanhoe, Performer, Lucifer & others. Also a purebred service age holstein bull.

All heifers are eligible for interstate shipment and will have health charts. Don't miss this fine heifer sale for good herd replacements.

Terms cash or approved check

Sechrist Sales Co., Inc.
Sales Managers

Robert L. Sechrist, Auctioneer
Phone 382-4379



If you have fat cattle or need feeders . . .

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BEEF SALES

MONDAY 2:30 P.M.

THURSDAY 12:00 NOON

Sale Order - Fat Bulls, Steers, Stockers, Beef Cows and Veal Calves

NEW HOLLAND SALES STABLES, INC.

Phone 717-354-4341

Daily Market Report Phone 717-354-7288

Abe Diefenbach, Manager

Field Representatives - Bob Kling 717-354-5023

Luke Eberly 215-267-6608

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LOCATED IN CENTRAL VIRGINIA

"Where Quality Is Outstanding"

ANGUS-HEREFORD-CROSSES STEERS-HEIFERS

300-700 Pounds

ORANGE	1 00 PM	September 24	900 Head
CHARLOTTSVILLE	1 00 PM	September 25	1400 Head
CULPEPER*	1 00 PM	September 26	1200 Head
*Includes Rappanhannock County Calves			
MARSHALL	7 00 PM	September 26	1200 Head
STAUNTON	1 00 PM	September 27	1100 Head

Health requirements and all qualifications conform to the high standards of the Virginia Feeder Cattle Association Second series of sales - October 30 - November 1, 1974

For Further Information Contact:

ROY HELTZEL,
COUNTY EXTENSION AGENT

Culpeper, Virginia
Telephone: Culpeper Area 703/825-2233

2ND PENNSYLVANIA CHESTER WHITE INVITATIONAL Show & Sale

Friday, September 20, 1974

Show Time 5:00 P.M.

Sale Time 7:30 P.M.

Place - Lancaster Stock Yards Feeder Pig Barn.

Quality Boars, Open Gilts, Weaning Barrows and Gilts and Bred Gilts

For Sale Catalogs write:
Charles E. Griest
R.D.1 Abbottstown, Pa.
Phone Evenings 717-624-8421

Terms - Cash or good checks
Auctioneer - Charles L. Wehrly

DAIRY COW SALE

Herd of 65 Cows from Fulton County sold at Belleville Livestock Market, Belleville Pa

WEDNESDAY,
SEPTEMBER 11, 1974

1 P.M.

Outstanding Herd of cows - lot of quality. The kind that pay the bills.

PARK MYERS, Owner