



## ALGAE: The Spoiler

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## Progress on Liquid Manure Is Reported

Burying liquid manure in furrows four inches under the soil is a proposed new technique to reduce pollution while conserving valuable plant nutrients.

Developed at Penn State University, the system was described recently at the International Symposium on Livestock Wastes at Ohio State University.

Still under study, the technique is used successfully at Penn State to apply slurries of dairy cattle manure to forage grasses, states Howard D. Bartlett, project developer and Penn State professor of agricultural engineering.

The device features two soil opening tools attached to a liquid manure tank. The first tool is a sharp-edged wheel or coulter used to cut the sod under all conditions of soil moisture and crop growth. The second tool is a cultivator blade to raise the turf. As the trench opens, liquid manure is fed into the trench. The sod immediately falls back into position, covering the manure.

On an annual basis, about 40,000 gallons of manure slurry per acre can be applied to forage sods, said Dr. Lawrence F.

### What Is Durable Press

Durable press is a term describing the properties of a specially finished fabric, explains Mrs. Ruth Ann Wilson, Penn State extension clothing specialist.

These properties include fresh appearance, wrinkle resistance, pleat and crease retention in wear and care, machine washable, quick drying, and needs little or no ironing if properly washed and dried.

Mariott, associate professor of soil fertility at Penn State. This equals about 700 pounds of nitrogen added per acre to the soil each year. Continued experiments will determine maximum yearly application rates possible without undue danger of ground water pollution or toxic nitrate levels in forage crops for livestock.

Improved sanitation will be a vital factor in gaining farmer acceptance of this technique, it was pointed out. Placing the liquid manure four inches under the soil reduces odors and flies. Runoff of valuable fertilizer nutrients is reduced during heavy rainfall, a possible source of pollution.

Unsanitary surface spreading of manure is now being restricted in many states where new legislation requires sanitary management of animal wastes, it was reported.

### Supermarket Raincheck

Most food markets offer rainchecks if the supply of an advertised special runs out, says Harold E. Neigh, Penn State extension consumer economics specialist.

This raincheck entitles the consumer to buy the food at the special price when supplies have been replenished.

Most food stores don't run out of a special on purpose. Sometimes the demand for the special is greater than the retailer anticipated.

Before you complain, ask for a raincheck.

## Allow Shy Child To Be Himself

Children are somewhat hesitant when first making contacts with others.

But it's normal for children of any age to withdraw when in new or unusual social situations, according to James E. Van Horn, Penn State Extension family life specialist.

Some children are naturally more outgoing than others. Shyness may begin as a child's natural reserve and develop into a problem if adults around him see it as one. Shyness may exist when a child has had few contacts with other children, or those he has had contact with have been older, too bossy, dominating, or aggressive.

Parents can contribute to shyness, reminds Van Horn. A frail child may be overprotected by not permitting him to play with other children in the usual way for fear of getting overtired or excited.

At the other extreme is the parent who expects too much from a child. To protect himself, he may withdraw from social situations where there is a possibility of failure. Sometimes too much emphasis is placed on the quiet child, but he can be just as resourceful, creative, and intelligent as the active child.

A quiet child needs to develop skills and competencies that other children value. Skill mixed with self-assurance builds a child's self-respect which is necessary for ease in social situations.

Accept the shy child as an individual and allow him to be himself, suggests Van Horn. When he can develop at his own pace, much of the shyness will disappear.

## Command Performance

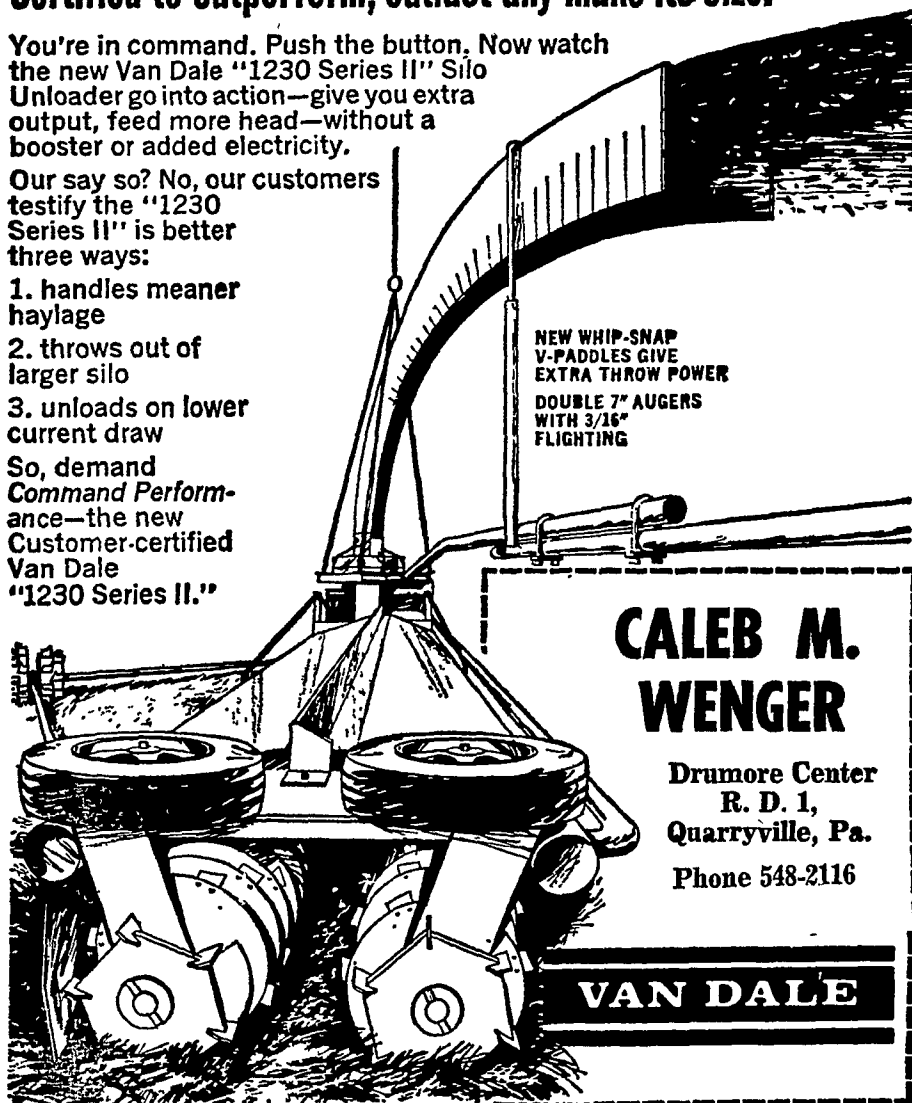
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