

# Pork Prose

(Continued from Page D2)

climates. I expect some cool season varieties to be released soon from Canada.

**Lupin**, a legume normally used to produce beans for human consumption has not been used much in livestock feeds. The older varieties contain toxic alkaloids and require heat treatment before feeding. But newer "sweet" lupin varieties are much lower in alkaloids. Sweet lupins contain about 35% protein and about 2.0% lysine. Up to 200 pounds can be added to the ration, saving 90 pounds of corn and 110 pounds of soybean meal. Approximate value of lupins: \$.07/pound.

**Drawbacks to Lupins.** Lupins are less palatable, and contain high levels of fiber and manganese. These factors will reduce growth rate 5 to 8%. Use 4 pounds of ferrous sulfate per ton to offset the high manganese levels.

**Sunflower Seeds**, contain about 19% protein, 15% fiber, and about .59% lysine. Up to 200 pounds can be used per ton to replace 180 pounds of corn and 20 pounds of soybean meal, with little effects on performance. Approximate value of sunflower seeds: \$.043/pound.

**Drawbacks to Using Sunflowers.** Because sunflowers contain a lot of oil, they may decrease carcass firmness. Avoid using more than 400 pounds per ton.

**Hulless Oats** are not much different in composition than rolled oats. Protein content varies from 13 to 17%. Lysine levels range from .50 to .70%. When using hulless oats, all the corn and about 80 pounds of soybean meal can be removed from the formula with no effects on performance. More soybean meal can be removed with the addition of synthetic lysine. Approximate value of hulless oats: \$.039/pound.

**Pearl Millet** contains 15.7% protein and .35% lysine. Experiments show that performance is not affected when millet is used to replace all the corn and 50 pounds of the soybean meal in a 1-ton diet. Approximate value of pearl millet: \$.038/pound.

**Drought Stricken Corn** contains a little more protein than corn but it should be substituted pound for pound for normal corn. Studies at the University of Kentucky compared corn from an area that yielded 125 bu./acre with two drought stressed varieties — with yields of 12 and 19 bu. respectively. Growth rate and feed efficiency were improved 4 to 6 percent on the drought stricken varieties. Approximate value of drought stricken corn: \$.037/pound.

**Sprouted and Frost Damaged Barley** seems to support normal levels of performance. Most grains that have sprouted have lower energy values. But at the University of Alberta, 2 sprouted and 3 frost damaged varieties of barley had no effect on performance when compared to an undamaged hybrid. Approximate value of sprouted or frost damaged barley: similar to undamaged barley.

**Drawbacks to Sprouted Barley:** Sprouted barley may also contain high levels of molds and mycotoxins, depending on conditions. Avoid feeding it to the breeding herd.

## Brethren Relief Auction Features Heifers, Quilts

LEBANON — The 11th Annual Church of the Brethren Disaster Relief Auction will be held Friday and Saturday, September 25 and 26, 1987, at the Lebanon County Fairgrounds, three miles south of Lebanon, off Route 72.

The goal of the Auction is to raise \$225,000 to aid disaster victims throughout the world. The Auction, which has attracted thousands of people annually, is sponsored by the Atlantic Northeast District of the Church of the Brethren representing 67 congregations most of which are located between Philadelphia and Harrisburg.

The kick-off of the two-day event will be an auction of over 50

**Corn Gluten Feed**, a by-product of the corn processing industry, contains 21% protein, 8.5% crude fiber, and .60% lysine. It seems to be gaining popularity in the midwest, but it's not used much yet in the northeast. Studies with corn gluten feed haven't been consistent. Some studies show that up to 400 pounds of corn gluten feed can be used without affecting performance, while others show that as little as 200 pounds can significantly reduce growth rate and feed conversion. When using corn gluten feed, substitute up to 200

pounds for 175 pounds of corn 25 pounds of soybean meal. Approximate value of corn gluten feed: \$.04/pound.

### Summary

Some of the unusual feed grains can be a bargain at the right price. Before you jump, put the pencil to it, then get a second opinion. Be cautious of molds if you're buying from someone else. And if your present feed formulas contain protein supplement, don't reduce the amount of supplement. Make pound for pound substitutions with corn.

homemade ice cream. Children's activities, hot air balloon rides and pony rides will also be a part of the day.

## Hereford Group

(Continued from Page D2)

ing the National Poll-ettes cookbook of favorite beef recipes.

Some of the activities the PA Poll-ettes hope to support are the PA Beef Queen's trip to Kansas City and the Juniors showing at the National Show in Tennessee.

Their second goal is to increase their membership. Smith emphasizes that women need not own Polled Herefords or be actively involved in showing to become a member. Interest in the breed and a desire to meet other women with similar interests are the only prerequisites.

The group plans to have a membership meeting October 3rd in the afternoon at the Keystone. Membership fee is \$5.00 per year. Women interested in joining should plan to attend the meeting at the Keystone or send their name and membership fee directly to Debbie Hess, R.D. 1, Box 162, Mt. Joy, Pa. 17552.

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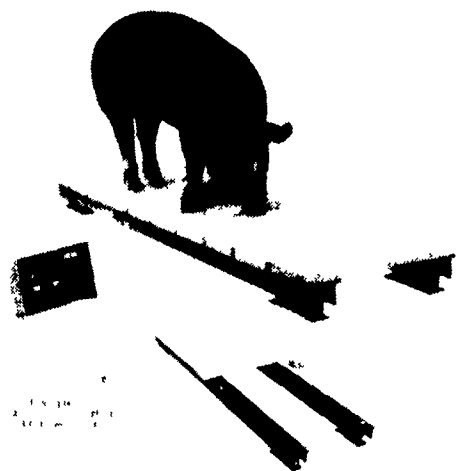
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