

**● Nitrate**

(Continued from Page 1)  
stage of maturity when production of grain will not result or will be considerably curtailed even though adequate moisture falls later. The possible consequence is high nitrate content in corn plants.

Sudan grass, and sorghum-sudan crosses were also accumulating nitrate when tests were made in July. Some alfalfa, cut the first week in July, contained nitrate.

Smith offers the following suggestions to those who intend to use drouth-damaged feed.

Leave in the field as long as practical. Nitrate will diminish as plants mature.

Have laboratory tests made of silage or hay to determine the nitrate level.

Ground corn can be added to silage. This added carbohydrate will reduce the proportionate amount of nitrate consumed by animals.

Feed high energy materials with forage containing nitrate.

Provide Vitamin A supplement in ration

Feed salt that has a high iodine content.

Have water tested. Perhaps alternate water supplies are available with a low nitrate content. Water high in nitrate, when used with high nitrate feed, could compound livestock problems.

Finally, says Smith, many of the recent claims of connection between increased fertilized use and high nitrate content in forages and water do not agree with scientific observations.

The dangers of high nitrate content in feed were recognized many years before nitrogen fertilizer was extensively used, Smith notes. It was, and is, known as oat hay or corn stalk poisoning which usually — not always — occurs in very dry years on the most fertile soils.

High nitrogen fertilizer use — excesses over that recommended following soil tests — can make for more frequent occurrence of nitrate poisoning. However, he adds, nitrates come from legume residues and farm manures, too, and should be taken into consideration.

**● Lancaster**

(Continued from Page 2)

**HOGS:** 1250. Compared with 1050 last week. Barrows and gilts mostly lower with sows steady to 50 lower.

**BARROWS AND GILTS:** US 1-2 190-240 lb. \$18.00-18.50, US 1 190-225 lb. \$18.50-19.00, few to \$19.50. US 1-3 185-250 lb. \$17.50-18.00. US 2-3 225-250 lb. \$17.00-17.50, 250-270 lb. \$16.50-17.00, 270-300 lb. \$16.00-16.50

**SOWS:** US 1-3 300-500 lb. \$12.00-13.00, US 1-2 280-350 lb. \$13.00-13.50, 2-3 500-600 lb. \$11.50-12.00.

**SHEEP:** 700. Compared with 364 last week. Fairly active, spring lambs fully 50 lower, instances \$1.00 lower.

**SPRING LAMBS:** Choice 75-100 lb. \$22.00-23.50, few lots to \$24.00. Good \$19.00-22.00, Utility \$16.00-19.00.

**SLAUGHTER EWES:** Cull to Choice \$5.00-7.00.

**Lawn and Garden**

For Sale — One 24-in. Moto Mower rider, will sacrifice. Used one season. Phone 656-3171. Martin Hardware, Leola, Penna.

**Mail Box Market**

For Sale — Champion 2 row potato digger with two practically new heavy duty webs. Kingwise potato grader. 5/8 tomato baskets. Phone 687-7004.

For Sale — 1000 Babcock 370 pullets, will be 20 weeks old by Sept. 29. Price \$1.55 each. John S. Martin, Jr., Denver R1, Pa., near Zimmerman Saw Mill.

For Sale — 6 Yorkshire feeder pigs, weigh between 40 and 45 lbs. each. Phone Quarryville 786-2838.

For Sale — Champion 2 row potato digger with two practically new heavy duty webs. Kingwise potato grader. 5/8 tomato baskets. Phone 687-7004.

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**Stanley H. Deiter**

Auctioneer & Appraiser

**LAMPETER**

Ph. Lancaster EX 4-1706

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12th Annual

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