

## Are Best Available

(Continued from Page A36)

dry matter can reduce milk production.

High fiber contents as in whole cottonseed, beet pulp, sunflower and soy hulls mean that the inclusion in a dairy ration should not be high in order to maximize milk production.

It can, however, replace

some missing hay fiber in rations of high-milking cows to avoid rumen acidosis and low fat test in milk. Of course, the use of by-products varies by season, locality and price.

The local factor for use of some by-products is interesting. The Northwest is known for heavy fruit and vegetable

production. This is reflected in their heavy use of apple pomace, corn cannery waste, beet pulp, beet molasses, peas and potato culls for feeding in dairy rations above any other region in the United States.

The Midwest exceeds in use of field corn by-products and sunflower weeds, while the Southwest feeds the most almond hulls, carrot culls, cotton gin and seed by-products, grape pomace, grape raisin waste, millet grain, oat grain, rye grain, sorghum grain, wheat grain, sweet corn, rice hulls, and wheat by-products.

Some of these feed alternatives are almost unknown in

the Northeast and Mid-Atlantic regions, while we rank first in use of soybean seed and sugarcane molasses although we are a close second for alfalfa meal, flax meal, rape meal and soybean meal.

The Southeast ranks first in citrus pulp, peanut hulls, turnips, citrus molasses and soybean hulls. Considering that many of our high producing dairy herds are in the Northwest and Southwest regions, their heavy use of these alternative by-products indicates the by-products' nutritive and economic value.

Overall the most widely used dairy feeds were alfalfa hay and silage, grass hay and

silage, corn silage, clover hay and silage, small grain grazing, soybean oil meal, corn, barley, wheat grains and molasses.

By-products entered at different times and location, presenting challenges to calculating optimum feeding rations for different production levels of our cows.

Grazing, part or full-time, can be an enormous saver of feeding costs, but fewer than one in five of dairy farmers in this region is taking advantage of it for all kinds of reasons — real or imagined.

A local large-animal veterinarian has collected data on this.

### ANTIQUe TOOL AUCTION

August 14th, Sat. 9:30 A.M.

Gabelsville Athletic Club, Rt. 73

3 miles west of Rt. 100, at Boyertown, PA

SUMMER FUN - The pickers are harvesting the new crop of old tools coming out of the area. Finds of all descriptions!

Stanley: #58-6 Fold Rule, #903 Tool Cabinet, 6C, 60-1/2 OB, 741 Vise, WB 27 & 35, 6, 5C, 4, 3, 75, 78, 64-1/2, 220, and others

Wood: Bell, Crannell, Eagle Fact, Marley, Parnsh, E Baldwin, J Burke, N Spaulding, G White, W Vance, Cauldwell, Higgs, B Dean, Gabriel, Schaffer & Cobb, Eli Smith, James, D Heist, Bodman, Bearse & Hussey, Union Fact, Pearce, M Read, Casey, Dallicker, Treman, G Long, Casey Ketchel, Bibighaus, T Goldsmith, Stile & Kingston, Sheneman, Mockridge & Francis, Atkinson, Benton Evans,

Other: Edge Tools, Rules, PA Goosewing - CG, Cooper's Tools, Catalogs, Machinist Tools, Braces, Hammers & Hatchets, Saws, Levels, Broad Ax-Beck, Wantage Rod - Bauer - Phila, and More

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### Public Auction

Sat., Aug. 7, 1999 • 9 AM

Mifflin County Youth Park, Reedsville, PA

Located 5 miles West of Lewistown on Rt. 322. From Harrisburg, take Reedsville exit and watch for signs.

The estate of the late Sara E. Aurand formerly of 1385 Vira Rd., Lewistown.

Antiques/Primitives/Collectibles - Lg. 1800s general store, Enterprise coffee mill; 1800s - child tricycle, brides doll, min wagon & baby shoes, children pull toys; tin drum, Shirley Temple Doll, wooden rocking horse & dog, 30+ milk bottles; 1800s butter churn w/original blue paint, Lg blue swirl basin, Lg copper butchering kettles & equip, 10 ft apple butter stirrer, Stoneware bowls, copper wash boiler; 25+ advertising boxes; Lg Enterprise sausage press; butchering boards, rug beaters, Lg store scales w/tray & weights, coal bucket w/shovel, adv feed bags, adv tins, Clarks Ont Mercerized crochet boxes, 15+ wool rugs, zinc canning jar lids, 1858 blue canning jars, Victrola Phonograph, bev. glass shaving mirror w/stand, quilts & knotted haps; antique Christmas ornaments, Necco store jar; cream can w/lid, Little helper housekeeper set & sewing machine **Glassware** - Peanut Butter glasses, Carnival, Gootus, Homer Laughlin, Pink & Green Dep, Hoshier coffee jar & various shakers **Antique Furniture** - 1800s Amish step back cupboard w/blind front, drysink w/original mustard paint, 1820s cupboard w/original paint, 1800s 6 legged drop leaf table w/original blue paint, 1800s Empire chest; decorated plank bottom chairs, blanket chest, ACME Victorian parlor stove, drysink w/zinc liner, (3) Hoosier cupboards, 1800s primitive armoire, Oak bed w/applied fixtures, antique wicker sofa, chair & rocker, bucket bench, spinning & flax wheel; Waterfall bedroom suite **Oak** - (2) bedroom suits, pressed back high chair, piano stool w/glass claw & ball feet, butterprint china closet & stand, Combo drop front desk & bookcase, (3) Morris chairs, painted chest of drawers, drop front desk w/drawers, (4) pressed back chairs; (5) ladder back caned chairs, primitive mortised stool; (2) sm walnut corner stands, Bentwood stand; Mohair sofa w/(2) chairs, Grandfathers & Grandmothers chair, (3) plank bottom chairs; Philco floor model radio, Victorian pump organ, 1920's Philco cathedral radio, 1890s parlor stand; walnut tapered leg stand & 6 legged stand; Dep. china closet & buffet, enamel top table w/drawer; child's iron bed, maple spool bed, (7) pcs walnut dep dining room suit

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