

Beef cattle slimming down to meet consumer demand

HARRISBURG — Today's modern beef cattle have slimmed down, with less fat than 15 years ago, keeping up with consumer demands for leaner meat, according to the Pennsylvania Meat Marketing Program.

"These changes have been brought about through consumer preference for leaner beef, introduction of leaner, faster growing cattle, higher costs of feed, and competition for higher, quality land and feed grains,"

according to Dr. L. L. Wilson, professor of animal science at Penn State.

Cattle breeding systems first changed with the importation of larger, leaner breeds of cattle, primarily from Europe. The use of

these cattle became widespread, and are now predominately used in cross breeding systems with traditional English-type cattle. Although the larger breeds will probably never replace the traditional breeds raised in the United States, they do have flexibility of slaughter weights, with less outside trimmable fat.

According to Dr. John Zeigler, professor of food science at Penn State, "There is a critical balance between the amount of fat contained in the meat to assure acceptable eating quality, and the amount of trimmable fat."

In addition, the beef industry has progressed by selecting higher

growth rates and leaner cattle in the English breeds, Zeigler said.

"With less use of feed grains, increased use of pastures, hay, other forages and use of corn silage, today's cattle are faster growing yet maintaining leanness," Wilson said. "Corn silage, is a whole plant product harvested before the corn grain is mature."

Cattle are also slaughtered at slightly lighter weights than years ago, thus decreasing the amount of carcass fat and trimmable fat in retail cuts, Espy said. Slight changes in cattle grades favor carcasses from younger cattle, allowing cattlemen to custom finish beef to their customers' preferences.

40 years of proof

Since 1940, Gehl has been building field choppers and forage harvesters with one thought in mind... performance. And, year after year, thousands of satisfied owners prove that we know how to use that specialized experience to build better machines. Today, Gehl concentrates those 40 years of chopping know-how into three fuel-efficient, high-capacity forage harvesters:

Capacity King 1250. The largest capacity pull-type harvester on the market. Gehl's exclusive 24" spinner delivery system keeps forage moving with no cross augers to plug. The giant, 9-knife, 25 1/2" cylinder gives a quality cut. And the new cutterbar adjustment is the easiest anywhere. In-head hydraulic knife sharpener and electric controls are standard too.

New mid-range 1000 gives you the high capacity you'd expect from the big 21" cylinder and fast spinner delivery system. Like the 1250, standard features include the in-head hydraulic knife sharpener, adjustable

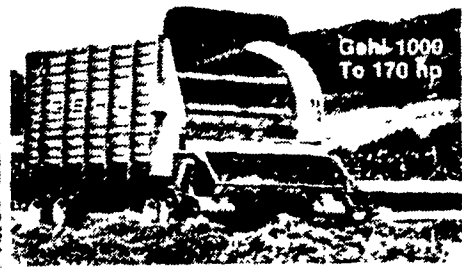
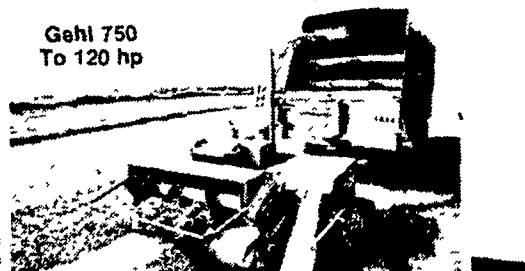
axles, one-way shear bolt protection and attachment down-stop.

Fuel saver 750 tackles just about any chopping job. Uses less horsepower per ton chopped than many bigger harvesters. Uses less fuel. The 8-knife cutterhead is set into the blower compartment for smooth, continuous material flow. Add Gehl's patented in-head hydraulic knife sharpener for even more cutting efficiency.

Prove to yourself that there's no substitute for Gehl's 40 years of forage harvester experience. See your Gehl dealer soon.

Gehl Company, West Bend, Wisconsin 53095

Gehl 750
To 120 hp



Gehl 1000
To 170 hp

Gehl 1250
To 250 hp

GEHL®

Forage Harvesters, Round Balers and mower Conditioners have interest free waiver until April 1, 1984

Forage Blowers and Forage Wagons have interest free waiver until Dec. 1, 1983

Skid Steer Loaders and Mix-Alls have interest free waiver until October 1, 1983

**PEOPLE'S
SALES & SERVICE**
Oakland Mills, PA
717-463-2735

MARLIN W. SCHREFFLER
Main Rd., Pitman, PA
717-648-1120

ARNETT'S GARAGE
Rt. 9 Box 125
Hagerstown, MD
301-733-0515

MILLER EQUIPMENT CO.
RD 1
Bechtelsville, PA
215-845-2911

A. L. HERR & BRO.
Quarryville, PA
717-786-3521

BENNETT MACHINE CO.
1601 S. Dupont Blvd.
Milford, DE
302-422-4837

CLAIR J. MYERS
Lake Road R1
Thomasville, PA
717-259-0453

**BINKLEY &
HURST BROS.**
133 Rothsville
Station Road
Lititz, PA
717-626-4705

**ELDER
SALES & SERVICE**
RD #1
Stoneboro, PA
412-376-3390 or
412-376-3740

STOFFER BROS. INC.
Chambersburg, PA
717-263-8424

UMBERGER'S MILL
Rt. 4 Lebanon, PA
(Fontana)
717-867-5161

**PETERMAN FARM
EQUIPMENT, INC.**
225 York Rd.
Carlisle, PA
717-249-5338

S. JOHNSON HURFF
Pole Tavern
Monroeville, NJ
609-358-2565 or
609-769-2565

GEO. W. KINSMAN, INC.
516 Main Street
Honesdale, PA
717-253-3440

INCH EQUIPMENT CO.
Dalmatia, PA
717-758-3021

**PAUL W. HINSTAND
CO., INC.**
697 N. Main St.
Doylestown, PA
215-248-9041

WEB SNYDER, INC.
RD #1
Watsonstown, PA
717-538-5555

Can your fields handle hard rain?

CHAMBERSBURG — Summer thunderstorms can bring large quantities of rain in a short period of time. Are your fields always ready to handle these hard rains? says John Akers, District Conservationist at the Chambersburg office of the USDA Soil Conservation Service.

As summer crops are being harvested, plans are being made to make late summer hay seedings and fall seeding of winter grains. When the previous crop is removed and a seedbed prepared, there is no cover on the land until the new crop gets a couple inches of growth.

How many tons of soil will be lost when the ground is bare during a heavy rain? Up to eight tons per acre of sheet erosion can occur before rills or small gullies form in the fields. Not only is soil lost, but

organic matter, lime, fertilizer, seeds, and pesticides are often washed out of the field.

Many of the soils in Franklin County can only lose 3 tons per acre of soil per year and still be able to maintain their long term productivity. If you notice small rills in your fields, then you are probably losing up to 3 times the allowable soil loss for your fields.

Establishing stripcropping, diversions and cropland terraces are all practices that help to control surface water runoff and at the same time reduces soil erosion losses. Any one desiring work on their farm may contact the Soil Conservation Service office at 550 Cleveland Ave., Chambersburg, or call 264-7013 for an on-farm appointment.

WOULD YOU LIKE 300 BU. CORN PER ACRE?

A user of our new fertilizer received it last year. (Several approved sources or testimonies) However it takes soil conditioning the year before, same as athletes and Olympians must condition their body in advance. One of our products costs only about \$8 or \$9 per acre. Farmers report the following -

- Spongier, better textured soil, holds more moisture. This year tells it plainly, obviously. Ask for pictures
- Less horsepower needed for tillage.
- Less need for insecticides and fungicides.
- NPK need reduced by 1/4
- Protein increased by 1/4.
- Minerals and trace elements greatly increased in soil and feed. Livestock taste the difference. Make a test.
- More eggs, meat and milk per pound of feed.
- Cows do better, less trouble. If you already have trouble, consider the emergency plan below.

A Natural Mastitis Treatment That Works

It is rich nutrition in the feed. Costs only about \$2.75 per day, 2 feedings usually knocks it out except in old prolonged cases. Even those sometimes when drugs have failed. It is **Light Force Spirulina**, an algae that grows on water. Extremely rich in vitamins, minerals, trace elements, amino acids, chlorophyll and enzymes. It supplies the missing elements. Makes cows resistant. It is double purpose - nourishing the cow and treating the cause, not just the udder or symptom. Farmers say helps improve sick cows in a few hours.

200 Tablets... **\$18.95 Postpaid**

Good repeat orders prove that this mastitis treatment works. We also have another excellent natural product to use in combination for very stubborn cases and sick cows. Free literature. Dealerships available for both these becoming popular products.

ELI STOLTZFUS
Organic Center
217 S. Railroad Ave., New Holland, PA 17557
717-354-7064