

Genetics Make Sweet Corn Sweeter

KALAMAZOO, Mich. — Consumers are becoming more picky about their produce.

Sweeter, higher quality fruits and vegetables are high on consumers' want lists, especially when they add versatility and variety to a healthy diet, says Leo Zanoni, Produce Merchandising Specialist for Asgrow Seed Company.

In answer to this growing consumer concern, Asgrow has developed enhanced sweet corns, collectively known as elevated sugar sweet corns.

"The difference between the standard corn and the elevated sweet corns is in the genetic makeup," says Stephen Marshall, Asgrow Sweet Corn Plant Breeder.

"A grower also has more time with an elevated sugar hybrid at

harvest," Marshall says. "Fewer fields are passed by because of over maturity."

The shrunken-2 (sh-2) and/or sugary-enhancer (se) genes control the sweetness in elevated sugar sweet corn. Although both the se and sh-2 corns are high in sugar, definite differences exist.

Shrunken-2 triples sucrose

Shrunken-2 corn has triple the amount of sucrose found in standard corn and double the amount of total sugar, according to Marshall.

He says the key factor is that standard corns rapidly convert sugar to starch after their peak, while shrunken-2 genes inhibit the conversion of sugar to the more complex starch molecules. "In one Asgrow study on post-harvest holding, we found that after two

days of storage at 80 degrees Fahrenheit the sucrose content of the shrunken-2 was 28 percent. The standard corn was 4 percent."

Production of shrunken-2 corns requires adjustment of traditional growing practices. Marshall cautions that a shrunken-2 must be isolated from all other types of corn or it will develop starchy kernels

**FOR SALE
SAWDUST
& SHAVINGS
Bags & Bulk
ED VOGT & SON
Medford, NJ
609-654-7489**

**Esch's
Fencing
All types of
fencing,
specializing in
High Tensile and
Split Rail.
215-857-1676**

**BUY, SELL, TRADE OR RENT THROUGH THE
CLASSIFIED ADS
PHONE: 717-626-1164 or 717-394-3047
Mon., Tues., 8 AM to 5 PM -
Wed., Thurs. & Fri. 7 AM to 5 PM**

**7 LIVESTOCK
EQUIPMENT**

Frey Brothers headgate, complete w/side gates. Also, six 12' gate attachments 717-597-5623

Pole Buildings We can supply your complete building needs. Free estimates. Conestoga Building Supply Company, New Holland, PA 1-800-544-9464 or 717 354-2613

WANTED 6 steel horse stall tops. Amos L. Stoltzfus, RD1 Box 232, Snake Hill Road, Bird-in-Hand, PA 17505

RUBBER MATS
for
**Comfort Stalls, Free Stalls,
Horse Stalls, Horse & Cattle
Trailers, Hog Houses.
Used Belting Material**
Paul N. Brubacher
215-286-5298 or
215-286-0168

Hotline *The Better*
ELECTRIC FENCING

Quietly Professional
NOW IMPROVED
Better Lightning Resistance



- HIGH POWERED WALL MODELS 12 VOLT AND 110-120 V
- OVER VOLTAGE INPUT PROTECTION
- COMPETITIVELY PRICED
- LOCAL SERVICE
- ALL-WEATHER (NON-RUST) VERY STRONG POLYCARBONATE CASE
- COVERED BY GUARANTEE
- REPLACEABLE PRINTED CIRCUIT
- EFFICIENT. Ideal For Electrified Sheep Netting and Boundary Fences
- NO MOVING PARTS (Solid State)
- POWERFUL LOW IMPEDANCE, SHOCK WILL GO MILES

DEALER INQUIRIES INVITED

Over A QUARTER OF A CENTURY Of Manufacturing Electric Fences

Distributed By
HOOVER DIESEL SERVICE
255 Mascot Rd. Ronks, PA 17572
(717) 656-3322 or (717) 295-1729

Authorized Hotline Sales & Service Dealers

PAUL B ZIMMERMAN, INC 295 Woodcorner Rd Lutz, PA 17543 (717) 738 1121	LYKINS VALLEY ENGINE REPAIR P.O. Box 517 Willow Street Gratz, PA 17038	HOOVER DIESEL SERVICE 313 Furnace Rd Quarryville, PA 17566 (717) 786 2173	BULLER ENGINE SERVICE 280 Pennys Rd New Providence PA 17560
STOLTZFUS HARNESS SHOP R#4, Box 13 Honey Brook, PA 19344	NICKEL MINI SHARPENING 323 E. White Oak Rd Paradise, PA 17562	MUNCY HILL REPAIR RD #3 Box 493 Muncy, PA 17756	BARLOW ENGINE REPAIR 8804 Otterbein Church Rd Newburg PA 17240
WINTER ROAD DIESEL SERVICE Rt 1 Box 7 Loganton, PA 17747	WHITE HORSE MACHINE 5566 Old Phila Pike Gap, PA 17527		

"Good Fence/Good Neighbors"
Beaver Fence Systems

Rail Fence  Broad Fence

"Specializing in High Tensile Wire Installation"

HORSE FENCES • CATTLE & SHEEP FENCES
DEER CONTROL FENCES & TRELLISES

RD 1, Box 187C
Beaver Springs, PA 17812 717-658-6269

Feeding Molasses Gives Your Cattle A Better Appetite And Smoother Finish

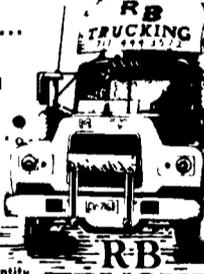


Use Liquid or Dry Molasses Products In Your Feed Formulation For Animals

NOTICE
SOYBEAN & CORN OIL FOR ANIMALS
AVAILABLE IN
5 GAL. CONTAINER
55 GAL. DRUMS OR BULK

ZOOK MOLASSES CO.
West Main St., Box 160
Honey Brook, PA 19344
CALL TOLL FREE: 1-800-327-4406
Over 50 Years Of Service

FOR SALE.....
SAWDUST
Dry Fresh Cut Cured
SHAVINGS
Bulk Loads
SAWDUST AND SHAVINGS MIXED
Discount given for Quantity



ATTENTION We Will Now Install Bedding in Poultry Houses

Kiln-Dried Shavings Available

R-B TRUCKING
Ronald Bowersox
717 444-3572 If Busy 717-444-3034 No Sunday Calls

JORAMA RANCH TRAILER SALES & SERVICE
Turbotville, Pa.
717-649-5133

Fair Specials:

	Regular	Sale
2 Horse Keifer Golden Hawk.....	\$4,895	\$4,595
6x16 Gooseneck Stock, Big Valley.....	\$3,995	\$3,695
2 Horse S&H.....	\$3,995	\$3,495
6'4"x16' Flat Utility with Brakes, White Wheels.....	\$1,995	\$1,795
4x8 Tilt Utility.....	\$625	\$595

Draw Tite Hitches Available

Complete Service Shop On Premises
Inspection • Repairs • Refurbishing
Trades Accepted • Temporary Tags
Free Bucket Of Pennswood Supreme With Each Horse Trailer Purchased

KENCOVE FENCE CRIMPING TOOL
4 Slot...\$55.00



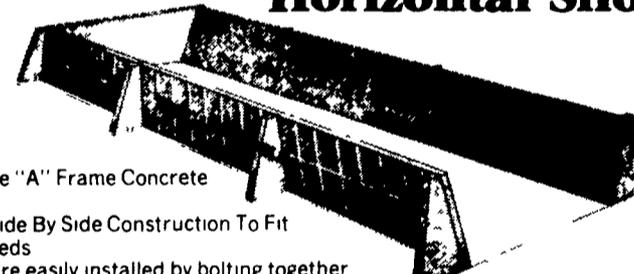
412-459-8991

CENTAUR FENCING SYSTEMS

The Safety Coated High Tensile Fence Also available Board Fence & Fence Painting. All material & work warranted.
717-428-3878

THE AFFORDABLE SYSTEM FOR THE 80's

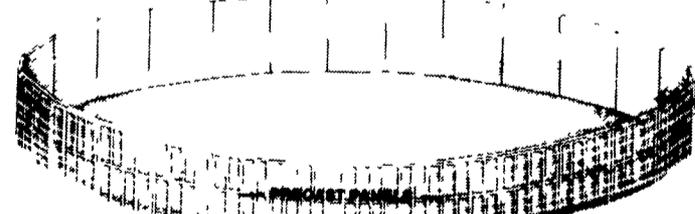
Horizontal Silo



Features:

- Exclusive "A" Frame Concrete Support
- Allows Side By Side Construction To Fit Your Needs
- Panels are easily installed by bolting together
- Movable Structure

Manure Storage Systems



OTHER USES:

- Basement Walls
- Earthen Homes
- Manure Pits with Slated Floors
- Building Walls
- Floor Panels
- Retaining Walls
- Grain & Fertilizer Storage Sheds

Available in 8' 12' and 16' deep rectangular and round structures

Options • Access Gates
• Access Ramps
• Above or below ground
• SCS Approved

ALSO AVAILABLE:

- Concrete Gang Slats For Dairy & Hogs
- "H" And "J" Type Feed Bunks

AGRI CONCRETE PRODUCTS

RD 2, Box 147
Middleburg, PA 17842
Plant (717) 837-3885
Dealer Inquiries Welcome