

Foliar urea boosts corn yields in Del. study

NEWARK, Del. — In a three-year field test at the University of Delaware Agricultural Experiment Station, urea has outperformed the standard, ammonium nitrate, as a foliar applied nitrogen for field corn.

"The superior performance of

urea appears to be a result of less leaf burn and greater nitrogen absorption through corn leaves," reports agronomist William H. Mitchell, who conducted the test.

"Although not more than 30 percent of the applied nitrogen may actually be collected in leaf

whorls or remain on leaf surfaces, this among is sufficient to increase the nitrogen level of leaf tissue and subsequent grain yields," he says. "Response of field corn to foliar applications of urea contrasts with soil applications, where urea is frequently less effective than

ammonium nitrate."

Urea is generally less expensive and about 30 percent more concentrated than ammonium nitrate.

Most aerial applications of nitrogen serve as "rescue treatments" designed to correct deficiencies that have developed as a result of leaching or denitrification of earlier applied

nitrogen. Aerial treatments are therefore usually delayed until corn is three to four feet tall which limits application equipment to high-clearance tractors and airplanes. In both cases, because of limited storage space, urea has a distinct advantage over the less concentrated ammonium nitrate, Mitchell says.



ZOOK MOLASSES CO. Offers MOLASSES FEEDING PRODUCTS FOR ALL ANIMALS

- Liquid Feeding Cane Molasses
- Honey Brook Brand Dried Molasses - 50 lb. Bag
- Z Brand Dried Molasses - 50 lb. Bag
- Beet Pulp - 50 lb. Bag
- Honey Brook Energiblock - All Natural 20 - No. Urea
- Energiblock - Hi Protein 36
- Energi Cubes for Horses

GOOD FOOD INC.

GOLDEN



BARREL

Household
Molasses and
Syrup

★ BAKING
MOLASSES

★ BARBADOS
MOLASSES

★ BLACKSTRAP
MOLASSES

★ PANCAKE SYRUP

★ HONEY

★ TABLE SYRUP

★ CORN SYRUP

★ SORGHUM

★ SHOO-FLY PIE

SYRUP

SYRUP

MIX

MOLASSES FOR THE ANIMAL or THE KITCHEN

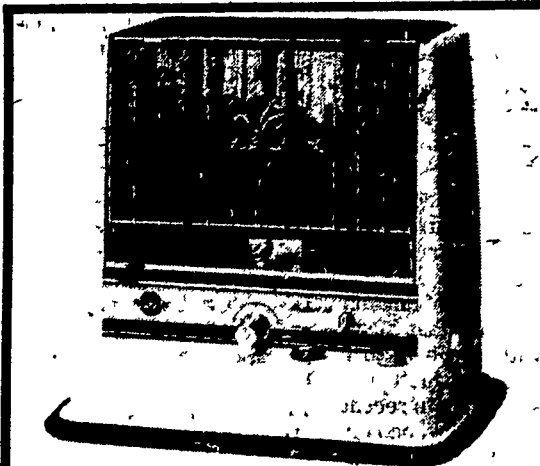
Contact:

ZOOK MOLASSES CO.

WEST MAIN ST., BOX 160, HONEY BROOK, PA. 19344

Phone 215-273-3776 or 717-393-3987

Call toll free in area code 215 & 717: 800-662-7464



Are you worried
about the high
cost of heating?

KERO-SUN

The Kero-Sun Radiant 10 operates on clean burning, safe kerosene. Amazingly efficient, the Radiant 10 burns over 30 hours on less than 2 gallons of fuel, producing a remarkable 9,400 BTU/hr (heating as much as 3,000 cu ft.). This pennies per hour heating method brings welcome relief from today's cost of heating (1/3 to 1/2 cost of equivalent electric heat). So stop shivering, start shopping for a Kero-Sun Radiant 10 heater.

PEQUEA WOODWORKING

2704 BACHMANTOWN ROAD, RONKS, PA 17572

PH: 717-687-6763

Hours: Mon. thru Sat. 8 to 4; Fri. 8 to 8



Old Guard

Mutual Insurance Company

Lancaster, PA 717-569-5361

"Friend of Farmers since 1896."

How recently have you evaluated your buildings, machinery and livestock? Our agent in your area can help you and will gladly propose proper insurance coverage for all your fire and casualty needs.

JONES & ZINK INS. AGENCY, INC.

105 S. Market St., Elizabethtown, PA

MOFFITT'S INSURANCE AGENCY

96 S. High St., Newville, PA

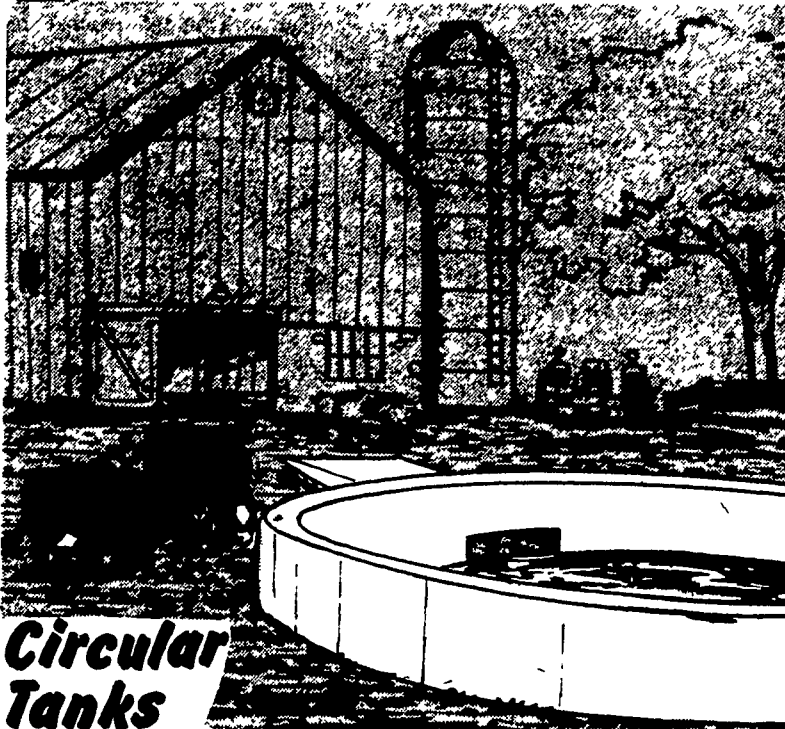
MCDOWELL INSURANCE, INC.

5 S. Church St., Waynesboro, PA

SAMUEL R. MCKEEHAN

R.D. #1, Mount Union, PA

POURED REINFORCED CONCRETE CONSTRUCTION



**Circular
Tanks**

SIZES & LAYOUTS TO YOUR SPECIFICATIONS

We are qualified to handle any poured concrete job you may need. We use a practical aluminum forming system to create concrete structures of maximum strength and durability. For a highly satisfactory job at an affordable price, get in touch with us.

POURED FOR DURABILITY

**Groffdale
POURED walls**

BRICK CHURCH RD. LEOLA, PA. 17540

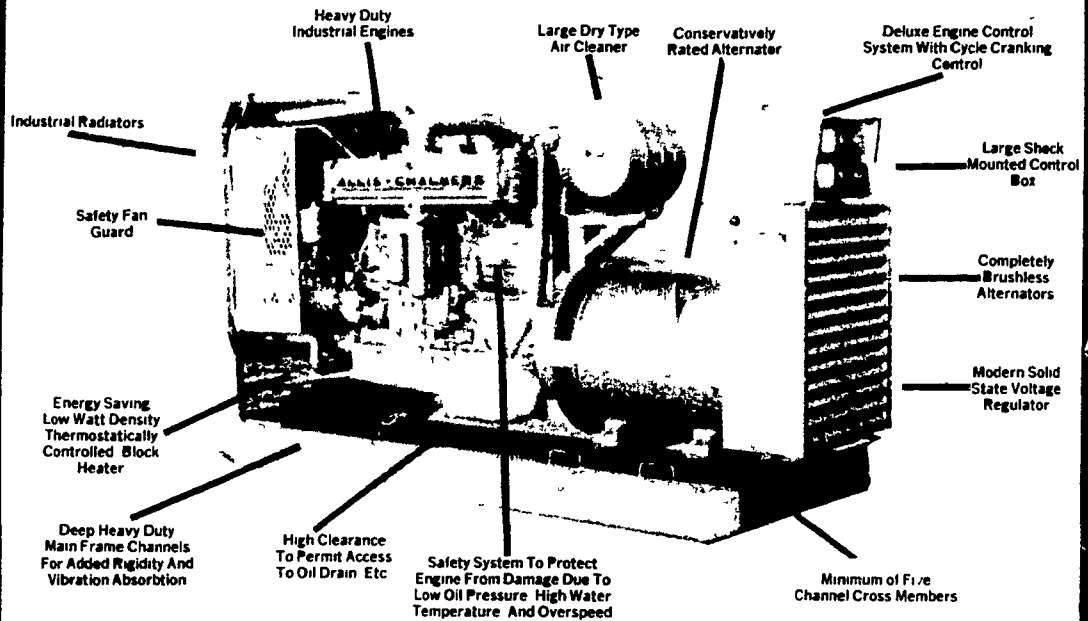
FOR SALES & LAYOUT KEN GROFF (717) 687-6668, days & evenings
GROFFDALE POURED WALLS (717) 656-2016
JAKE KING (717) 656-7566

MARTIN MACHINERY

Emergency or Prime Power Systems from 1 to 1000 KW
Balanced Design to Give You Peak Performance For Your
Applications:

Farm - Industrial - Commercial - Residential

Check These Features:



**24 Hour Emergency Service by
Radio Dispatched Service Personnel**
OPENINGS FOR DEALERS IN DELAWARE, MARYLAND
& PARTS OF PENNSYLVANIA

**MARTIN
MACHINERY**

P.O. Box 35, Martindale, PA 17549
215-445-4800 or 267-7771

For Free Literature or Demonstration,
Send This Coupon

Name _____

Address _____

Phone _____

Martin Machinery
P.O. Box 35
Martindale, PA 17549