

USDA sinks funds into 12 new research projects

WASHINGTON, D.C. — The U.S. Department of Agriculture will fund 12 new research associate proposals to support basic agricultural research and to encourage new scientific talent.

"Basic research is a high priority for the USDA because it provides the fundamental knowledge to improve efficiency in agricultural and to open new fields of investigation," said Terry B. Kinney, Jr., administrator of USDA's Agricultural Research Service.

Kinney said the basic research projects are designed "to make the most of the shrinking U.S. research dollar and to encourage new scientific talent in a diminishing pool of agricultural scientists."

"We will bring in recently graduated scientists of exceptional ability who will work to overcome obstacles and trouble spots in the animal and plant sciences. We expect these scientists to bring to the projects new ideas and new approaches that will blend with the

expertise of our more experienced researchers."

Kinney said his agency will fund the work of the 12 scientists for one year with \$420,000. Known as the 1982 research associate proposals, the studies were selected from proposals submitted from among the agency's 147 research locations.

Among the projects are:
—Research leading to genetic engineering techniques to produce wheat and rice plants from cells instead of from seeds;

—Genetic manipulation of chicken genes for resistance to a virus-causing disease,
—Assessing herbicides' ability to kill weeds but not crops; and
—Eradicating pseudorabies in

swine by virus fingerprinting.
—Kinney said one new scientist will be appointed for each of the 12 projects. Each of the agency's four regions will be represented by three of the projects.

Too many fish spoil the pond

UNIVERSITY PARK — It has often been said that too many cooks spoil the broth. The same principal holds true for small ponds according to Terry D. Rader, associate professor, forest resources Extension at Penn State.

The problem may occur in two ways according to Rader. Too many species (different kinds of fish) can complicate pond management or too many of one species (a stunted population) also can adversely affect fish growth and run the quality of sport fishing.

The most common problem with too many fish in Pennsylvania ponds is stunted bluegills. Too many bluegills can prevent bass from spawning successfully. When this happens, the bluegill problem will only get worse.

Several measures may be taken to reduce bluegill numbers. Conventional angling methods may be used. No bluegills should be returned at the pond. Trapping can remove excess unwanted bluegills. Seining to remove excess bluegills is a good management tool. To own and possess a seine over four feet square, a state permit is required.

If there is still a few bass remaining in the pond, a partial draw-down can be an effective bluegill control measure. The draw-down seems to work best when done over winter. It is recommended that pond owners check with the local waterways patrolman about state regulations regarding some of these management practices.

If bullhead, pumpkinseed sunfish, crappies and perch are not already present in the pond, do not stock them. These species will only tend to complicate pond management. For more detailed information on pond management, contact your county agent

MANURE PITS

- Sewage Systems
- Complete Excavating Service
- Snow Removal

THE "OPEN END" IVANY BLOCK ▶



Dynamic Masonry Contractors

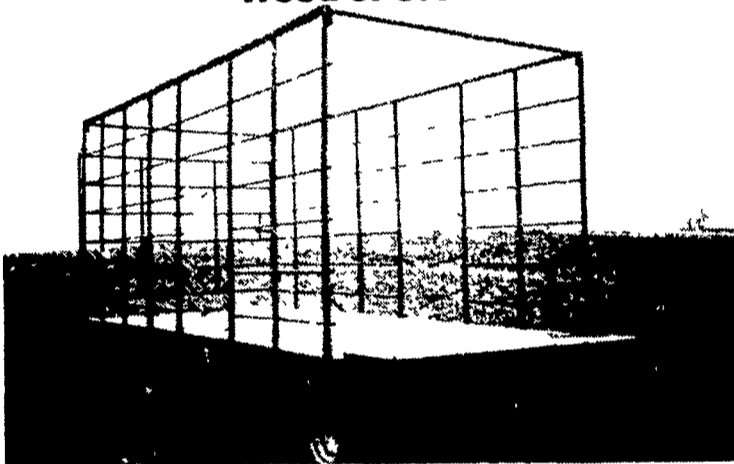
Gordonville
MIKE FISHER & LARRY HERR

SPECIAL FARM PRICES

717-687-6801
FREE ESTIMATES

HAY WAGONS FOR SALE

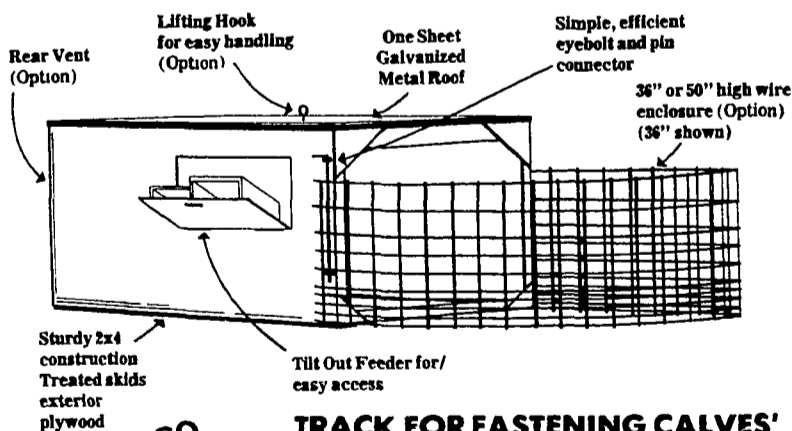
Wood or Steel



3 Sizes Available...16', 18', 20'
with or without running gear

- Also will fit sides onto your flat wagon

Compare the Stoltzfus Woodwork Calf Hutch



ALSO AVAILABLE: TRACK FOR FASTENING CALVES' CHAIN TO CEILING OF HUTCH
Dealers: (Calf Hutches Only)

Maryland:
LEROY HILDEBRAN
Woodsboro, Md
301-845-8929

Lebanon County:
UMBERGER'S MILL
Rt 322, RD#4 Lebanon, Pa
717-867-5161

Berks County:
JOE RUTH
RD #4133 Fleetwood, Pa 19522
215-944-7571

Chester County:
ZOOK'S FARM STORE
Honey Brook, Pa
215-273-2943

MFD. BY: **STOLTZFUS WOODWORK**
RD 2, Box 2280, Gap, PA 17527
717-442-8972



Your assurance of a real dairy food.

DIXON... Turns on a dime Saves half the time

Here's where you save time on a DIXON Zero Turning Radius Mower:

- Every corner you turn.
- Every tree you mow around.
- Every turnaround at the end of the yard.
- Irregular edges with ins and outs.

Two hand levers control all the action, speed and direction, with no footwork at all. Come in to mow-test the easy rider now, and save mower time for fun.



Prove it to yourself, ask for a free demo from one of these participating dealers:

PENNSYLVANIA

ADAMS CO.
GOLDEN RIDGE
York Springs, PA 17372
(717) 528-4343

BERKS CO.
JOHN'S MOWER SERVICE
Bernville, PA 19506
(215) 488-1944

J.R. SALES & SERVICE
Fleetwood, PA 19522
(215) 944-7571

TRUSTY'S LAWN & GARDEN
Sinking Spring, PA 19608
(215) 777-4578

CENTRE CO.
PENNSYLVANIA CORPORATION
Pleasant Gap, PA 16823
(717) 373-4580

CHESTER CO.
STOLTZFUS FARM SERVICE
Cochranville, PA 19330
(215) 593-2407

CLINTON CO.
GUMMO MARINE
Mill Hall, PA 17751
(717) 726-4551

DAUPHIN CO.
WILLIAM N. MASIMER
Hershey, PA 17033
(717) 534-1398

FRANKLIN CO.
GETTELS FARMS
Shippensburg, PA 17257
(717) 532-9271

LANCASTER CO.

A & N ENGINE SERVICE
Narvon, PA 17555
(717) 768-3227

LAWN CARE OF PA
Martindale, PA 17549
(215) 445-4541

J.B. HOSTETTER & SONS
Mount Joy, PA 17552
(717) 653-1841

WAYNE B. HOTTENSTEIN
Manheim, PA 17545
(717) 898-7794

LEBANON CO.
BLUE MOUNTAIN ENTERPRIZE
Jonestown, PA 17038
(717) 865-2994

MARTIN'S HARDWARE & EQUIP.
Newmanstown, PA 17173
(717) 949-6817

LEHIGH CO.
KERMIT K. KISTLER, INC.
Lynnport, PA 18066
(215) 298-2011

LYCOMING CO.
CLARK'S FARM SUPPLY
Williamsport, PA 17701
(717) 494-0660

MONTGOMERY CO.
R.L. MARTIN CO.
Limerick, PA 19468
(215) 489-2597

NORTHUMBERLAND CO.

YOCUMS MOTOR SPORTS
Milton, PA 17847
(717) 742-4706

SCHUYLKILL CO.
MARLIN SCHREFFLER
Pitman, PA 17964
(717) 648-1120

UNION CO.
BENDER'S SALES & SERVICE
Mifflinburg, PA 17844
(717) 966-1373

YORK CO.
NEIMAN EQUIP. CO.
Dover, PA 17315
(717) 292-2101 or 5255

MARYLAND

CARROLL CO.
RAINBOW FARM SUPPLY
Taneytown, MD 21787
(301) 751-1500

RIDGE CABINET SHOP
Mt. Airy, MD 21771
(301) 875-2211 or
(home) 875-2147

MONTGOMERY CO.
PROMOWER INC.
Rockville, MD 20850
(301) 948-6920

WASHINGTON CO.
VALLEY CYCLERY
Hagerstown, MD 21740
(301) 739-7710

If there is no dealer in your area call Lawn Care Distributors - 215-445-4542