

Manure 'Odor Guidelines'

(Continued from Page A17)
 ture sources totals one billion
 metric tons.

ate how to examine the odors and
 the process by which they form,
 discover ways to record their

One suggestion was to research
 ways to get animals to better use
 feed nutrients and produce less
 wasted by-products. But more
 work is needed.

"We are a long way from select-
 ing animals and producing animals
 that can utilize all of the nutrients
 that we put in feedstuffs," said
 Williams.

For one thing, the Clean Air Act
 does not regulate agricultural
 odors. Only in a few parts of the
 country are there actual odor reg-
 ulations — compared to Europe
 and Australia, who have adopted

*'The controversy became so heated that in
 1993 a bill was introduced in the state
 legislature that could have, if passed, put
 severe restrictions on the swine industry.'*

As a result, North Carolina State
 University has had to study the
 issues and come up with solutions
 to odor control problems. The con-
 troversy became so heated that in
 1993 a bill was introduced in the
 state legislature that could have, if
 passed, put severe restrictions on
 the swine industry. Instead, a bill
 was passed to start a study com-
 mission, the Swine Odor Task
 Force. The task force is adminis-
 tered through several agencies,
 especially the Animal and Poultry
 Waste Management Center, of
 which Williams directs.

The task force began in July
 1993 to study the problem, evalu-

effects on humans, look at odor
 abatement technology, and make
 recommendations that would be
 economically feasible for

*'It's a very complex, scientific issue as
 well as a psychological issue.'*

producers.

One of the first things the task
 force discovered are the miscon-
 ceptions about odors. How are
 they produced? How do we mea-
 sure them? What can be done to
 control them?

stringent odor control legislation
 because of the standards for
 tolerance.

For another, there is another
 problem.

"There is a misconception
 about the makeup of (manure)
 odors," Williams said. Often,
 ammonia and hydrogen sulfide are

Having some sort of odor
 control guidelines could pro-
 tect farm enterprises that
 deal with a major problem —
 manure — and from possible
 odor lawsuits from angry
 neighbors, according to Mike
 Williams, director of the Ani-
 mal and Poultry Waste Man-
 agement Center at North Car-
 olina State University.

(Turn to Page A21)



Edwin Shank, dairy and
 swine producer, emphasized
 the importance of involving
 the community in decisions
 and allow them to see and
 understand how a farm op-
 eration works. It is important
 to talk to neighbors first and
 find out what they think.



ATTENTION VEGETABLE GROWERS YEAR END SALE!



Discounts on everything!
 Including RAIN-FLO equipment,
 plastic mulch, drip tape, pumps,
 sprinklers, pipe, and much more!

FREE!
 1996 RAIN-FLO CATALOG

RAIN-FLO IRRIGATION
 884 Center Church Rd.
 East Earl, PA 17519
 (717) 445-6976

Born is the King!



The Brubaker Families wish
 everyone a blessed Holiday Season

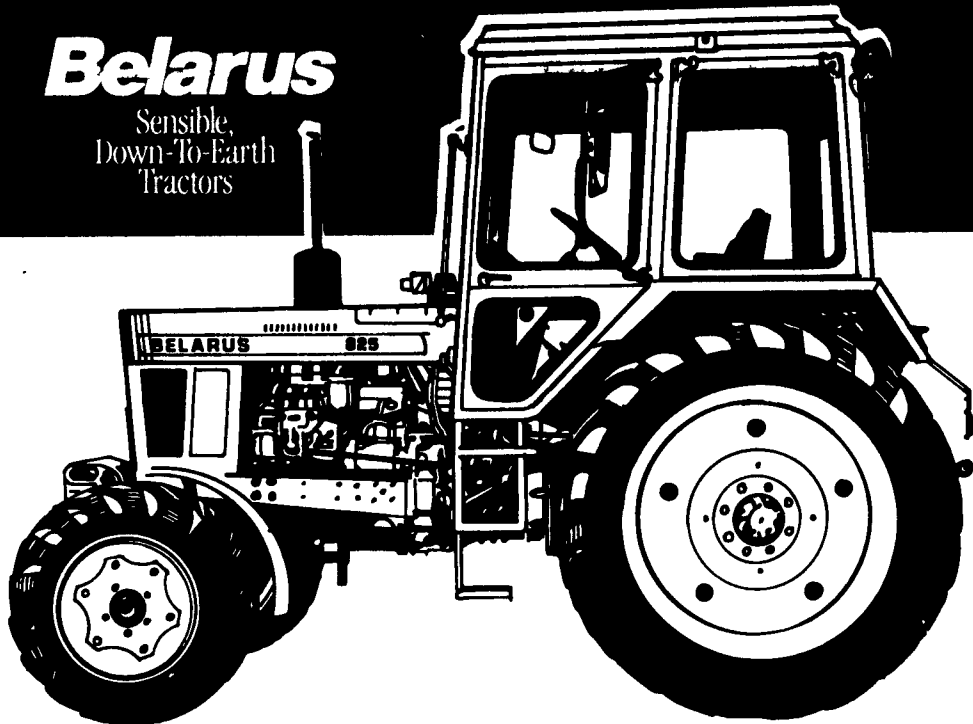
MANADA CONSTRUCTION CO.

Land Improvement & Excavation Contractors

Larry R. & Vaughn E. Brubaker, Owners
 Land Improvement & Excavation
 Contractors 151 Meckville Rd., Myerstown, Pa. 17067
 717-933-8853 or 933-4062

Gets the job done for half the price.

Belarus
 Sensible,
 Down-To-Earth
 Tractors



For tough farm chores, your choice should be a Belarus 800 Series tractor. Built for years of rugged work, these 81-hp tractors need very little maintenance. The 4-wheel drive models keep you going over rough terrain. And for comfort you can choose a heated, sound-protected cab. Whatever your choice, Belarus is reliable, economical and ready for the tough jobs. Stop in and see us for all your farm equipment needs and take a look at these rugged Belarus tractors.

MARYLAND

SCHROCK FARM EQUIPMENT

Route 1, Box 2568
 Oakland, MD
 301-334-9060

D. W. OGG

5149 Cap Stine Rd.
 Frederick, MD
 301-473-4250

961 Leister's Church Rd.
 Westminster, MD
 410-848-4585

STARKEY FARM CO.

Rt. 213, PO Box 250
 Galena, Md.

PENNSYLVANIA

ROVENDALE AG & BARN EQUIPMENT

RD 2, Box 210
 Watsonstown, PA
 717-538-9564

LUBINIECKI WELDING & EQUIPMENT

RD 2, Box 160
 Meadville, PA

MARSHALL MACHINERY, INC.

Route 652, RR 4
 Honesdale, PA

NEW YORK

BROWN'S TRACTOR & EQUIPMENT SERVICE, INC.

RR 2, Box 11B,
 Jackson Hill Rd.
 Bonnyville, NY

VIRGINIA

BEVERAGE TRACTOR

Rt. 340 South
 Stuarts Draft, VA
 800-296-3325



Sensible, Down-To-Earth Tractors