

Top N.J. corn grower outlines program

FLEMINGTON, N.J. — National Corn Grower Association (NCGA) yield winners are setting good examples for the balance of corn producers in New Jersey, reporting yields consistently 78 to 80 bushels per acre over state averages.

In 1982, the average yield of the top three finishers in the Garden State's non-irrigated division of the NCGA contest was 198.3 bushels per acre, while the average in the no-till division was 164.27 bushels per acre. The state's overall average yield for the same year was 102 bushels per acre, the best ever but still short of the NCGA averages by over 60 bushels. As a result of the drought, average NCGA contest yields were down over 20 bushels per acre in 1983 and statewide corn production averages followed suit.

For the majority of the NCGA entrants, raising corn is one way to supplement their dairying business, and each employs dif-

ferent production methods in search of a program right for them. They all agree, however, that there's no secret to producing high yields. It's just a matter of fine-tuning each cropping practice to best meet individual needs.

First-time NCGA entrant Thomas Kanach, of Flemington, N.J. placed second in the 1982 non-irrigated division with a 195.70 bushel per acre yield. On his second try in 1983, Kanach captured first place in the contest with a yield of 182.29 bushels per acre in spite of severe drought. Kanach, who milks 100 cows and farms 600 acres with his two sons, says most of his cropping is done to help support his dairy.

Although the corn produced on his 300 acres is consumed by his dairy herd either in the form of silage or grain, high yields are just as important to him as if he were to market the grain as a cash crop.

According to Kanach, higher corn yields do make a difference in

feed costs. "The better the yield, the less it costs to feed the cows. And better yields are well within the grasp of any farmer willing to invest time and effort in a total crop management program," he emphasizes.

Having farmed for 25 years, Kanach says it's important to keep soil fertility at the proper levels in order to maximize production. Soil tests are taken every year on his farm.

"We fertilize to meet the capability of the field," Kanach explains. His 1982 contest plot, for example, received two tons of lime in 1981.

Later, he applied 190 pounds of nitrogen, 120 pounds of potash and 120 pounds of potassium. Fertilizing for maximum production is the common practice among NCGA winners. Kanach's use of a chisel plow instead of a moldboard plow also is indicative of the state

and national trend toward conservation tillage.

May-planted corn was another point of agreement for all but one of the 1982 NCGA winners. However, plant populations ranged from 19,000-28,000, which proves that high seed rates aren't always the key to maximum yields.

More than a third of the farmers, including Kanach, planted DeKalb XL71. Other varieties included Northrup King's PX83, PX76, PX87, and PX74, Custom Feed Seed 4000, DeKalb XL61 and Pioneer 3382.

Three-fourths of the farmers planted in 30-inch rows, as did Kanach. More than half of the farmers used Furadan as their insecticide, which indicates their concern over increased insect problems in fields not moldboard plowed.

Just as important as fertilizing for high yields is controlling weeds

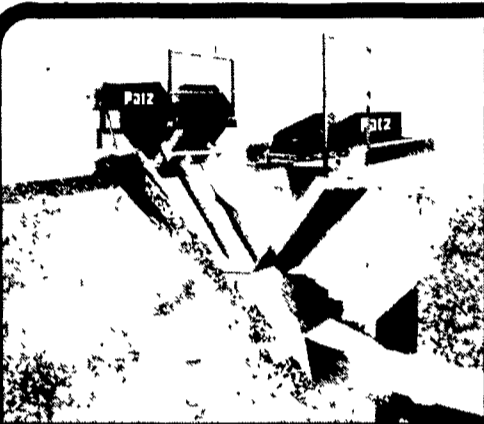
so crop performance isn't hampered. More than three-fourths of the 1982 NCGA winners depended on Lasso herbicide for weed control.

The three winners in the non-irrigated division — Rustin Farms of Trenton, Kanach and Sam Santani of Stewartsville — all used a Lasso plus atrazine tank mix.

"We like the control Lasso gives," explains Kanach. He used 2½ quarts of Lasso and 1½ pounds of atrazine to successfully control his main weed problems of foxtail and fall panicum on his corn acreage. "We've had good luck with it, so why change?" he adds.

Gary Donaldson of Hackettstown and Rovin Acres of Crosswicks, first- and third-place finishers in the no-till division, applied a Lasso plus atrazine tank mix as well. Paraquat was the growers' choice as a burndown.

Cropping strategies do vary among NCGA contestants, but all agree a thorough management program geared to maximize production is an essential ingredient in their success.



Model 100

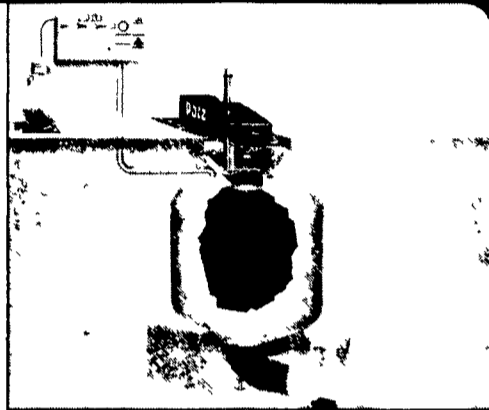
Truly automated manure-handling systems

Patz can end daily manure hauling and help you preserve manure's valuable nutrients—up to \$84 fertilizer value from each cow annually. Choose the Patz manure-handling system to meet your needs.

For semi-solid manure: Model 300 Air Manure Mover. Compressed air moves manure with long straw through 24-inch pipe to storage. Few moving parts assure long service life. Load and haul manure with your present equipment to keep investment low.

For slurry manure: Model 10C Slurry Pump. Large-capacity 7" by 15" plunger moves manure to storage through 12" or 15" PVC pipe. Plunger stroke length adjusts, depending on manure consistency. Plunger and plunger sleeve remove easily for inspection.

For liquid manure: Model 200 Manure Mover. Compressed air moves manure from a 1,700-gallon collection tank through PVC pipe to storage. Few moving parts provide low maintenance, easy service and long life.



Model 200



Model 300



Patz gives you inside the barn comfort and fingertip ease of manure handling

Patz

CONTACT YOUR LOCAL PATZ DEALER

ALEXANDRIA
MAX ISENBERG
814-669-4027

BALLY
LONGACRE
ELECTRIC
215-845-2261

BERRYSBURG
LESTER HOCH
REPAIR CENTER
717-362-8252

CAMP HILL
LLOYD SULTZBAUGH
717-737-4554

ELLIOTTSBURG
CARL R. BAER
717-582-2648

FORKSVILLE
DURWOOD J. WHITELEY
717-924-3460

HAMBURG
SHARTLESVILLE
FARM SERVICE
215-488-1025

LEBANON
AUTOMATIC FARM
SYSTEMS
717-274-5333

MILTON
LANDIS FARMSTEAD
AUTOMATION
717-437-2375

PIPERSVILLE
MOYER
FARM SERVICE
215-766-8675

QUARRYVILLE
UNICORN FARM
SERVICE
JAMES E. LANDIS
717-786-4158

STONEBORO
ELDER SALES
& SERVICE
412-376-3390
376-3740

TERRE HILL
TERRE HILL
SILO CO. INC.
215-445-6736

MARYLAND DEALERS

HAGERSTOWN, MD
TRI-STATE
FARM AUTOMATION
301-790-3698

KENNEDYVILLE, MD
PINDER SERVICE CO.
301-348-5263

NEW WINDSOR, MD
ROOP FERTILIZER
& CHEMICAL
301-775-7678

STREET, MD
P & S EQUIPMENT, INC
301-452-8521

Murray
INSURANCE
ASSO., INC.

Murray

5 S Hess St., Quarryville
Call Rick Rankin
786-2161

39 N. Duke St., Lancaster
Call Jim Robertson
397-5271

can provide **MORE** and **MORE SPECIALIZED** insurance coverage than other agents in this area!

WHY??

- more markets
- more experience
- **BETTER RATES!!!**

Insurance for every risk!

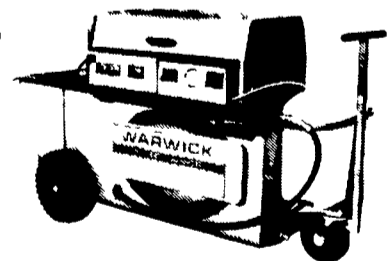
HIGH PRESSURE

WATER WASHERS

For Hog, Poultry & Veal
Animal Confinement Operations

Warwick Hot and Cold Water Washers deliver over 2000 psi of profitable cleaning power for your toughest jobs. Our patented diaphragm pump can't be damaged by running dry!

Available with electric or gasoline power and a complete line of special application accessories



Call Today - For More Information or No Obligation Demonstration

RENTAL UNIT AVAILABLE
2200 P.S.I. Hot Pressure Washer
with Generator and Trailer
Call Ken Burkhardt or Dean Weinhold

AUTHORIZED DISTRIBUTOR - SALES & SERVICE

FARMERSVILLE EQUIPMENT
INC.

RD 4, East Farmersville Rd., Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271