

## Corn growers

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been in alfalfa and grass. It was spring plowed.

Gordon applied three tons of cattle manure per acre. He figured the value of the manure at 75-37-75.

He also applied 140-100-20 as a plowdown before planting and came back with an additional 20-60-20 in the row.

The pH of his championship field was a sweet 6.8 when the soil was tested.

He planted May 16 and harvested his crop October 14.

Between times he cultivated twice to give some additional weed control to the 2.5 pounds of atrazine he applied per acre.

Gordon used no soil insecticide.

The corn stood relatively well, with about 96 percent erect plants at harvest. He found two percent barren plants.

The final yield, checked by the county agent, was 208.1 bushels.

At the Hershey School Farms the corn was planted somewhat earlier.

Following a spring

plowing, the seed was dropped in 30 inch rows on April 24.

Although planted several weeks before Gordon's corn, the Hershey acreage was not harvested until two days later, or October 16.

Before the 1979 crop season got into full swing, the 1978 crop of corn for grain had been plowed under.

Two tons of cattle manure were added along with a dose of 1.5 tons lime. Despite the liming the soil test showed pH at a relatively low 5.7.

Plant population was 25,544 at harvest.

As at the Gordon operation, just over 95 percent of the plants were erect at harvest and something over two percent were barren.

The value of manure to the corn was computed at 10-5-10. A plowdown application of 128-64-64 was supplemented by a row application of 16-48-16.

Total fertilizer applied amounted to 154-117-90.

An application of atrazine plus Lasso was made for

weed control. Like Gordon, the Hershey farms made no application of insecticide.

Second place, behind Hershey Farms in the shelled corn contest, went to Merle Orner, Dillsburg, who also used Pioneer 3184. Third place finisher Harold Ealy, Sharpsburg, used PAG 397.

In the ear corn class, second place finisher Raymond J. Diebold, Altoona, made his 207.9 bushel yield with DeKalb XL 55a.

Third place went to Sam Conrad, Warriors Mark, who chose Wilstar 5555 as his hybrid.

In all, two others not mentioned above also used Pioneer's 3184 to finish in the top 10 of either the shelled or ear corn contest.

Other hybrids which made a showing in the top ten of the shelled grain class included: Agway 855X, Doebler's 78X, Doebler's 70X, Voris 2601, and DeKalb XL 54.

In the ear corn class other hybrids finishing in the top 10 around the state included Yield Warranty 79, Northrup King's PX 74 and PX 79,

Todd M95, Trojan 115A and Doebler's 78X.

Three year champions in the shelled grain class, the Piowar Brothers of R 6 Uniontown made all of the yields with Pioneer hybrid.

In 1977 they used 3780. They switched to 3368A in 1978 and changed again in 1979, this time to 3334A.

The three year champ in the ear corn division was just as loyal to his firm.

Jeff Pontius, R 3 Sunbury, stuck to Doebler's Hybrids and kept to one line each year from 1977 through 1979.

He used 70X to make a three year average of 193.8 bushels per acre.

The best yield from Lancaster County was James F. Kettering who made 155.6 bushels per acre. The County average for Lancaster was 150.5 bushels, but there were only two entries in addition to Kettering's and both were above 147 bushels.

In every case, good management contributed to the yield as well as good genetics, good control of weeds, timely planting, and a bit of help from Mother Nature. — CH

## Montour Conservationists sign co-op agreements

DANVILLE — The Montour County Conservation District has entered into cooperative agreements with three municipalities.

According to Walter Loncosky, District Chairman, agreements have been signed with Danville Borough, Mahoning Township and Mayberry Township.

The agreements or "Memorandums of Understanding," are designed to jointly promote conservation of natural resources and to prevent damages from erosion, sediment and stormwater.

Following designation as the county's lead agency in implementation of the state's stormwater management law, the district anticipates a closer working arrangement with municipal officials, Loncosky said.

Under the agreements, the district will review plans, conduct field inspections and

provide information and assistance as requested by the municipalities.

While the district has been providing these services for some time through informal arrangements, the memorandums will insure local municipalities of prompt and continuing service, the Chairman explains.

Municipalities will require erosion and sediment control plans prior to preliminary plans for earth-moving activities under this agreement. Implementation of these plans will also be required by the municipalities.



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