



CORN ON THE J. ZEIGLER HESS FARM at Quarryville R3 is dried by forced hot air before being stored for the winter. After being dumped into the hopper, far left, by the truck, the shelled corn is augered up to the storage bin. It feeds by gravity into the batch drier where the moisture content is reduced to about 12 per cent. From the drier the grain goes to the storage bins in the foreground. Hess, on the platform above the drier, processed the corn about 50 acres of his own plus about 10,000 bushels for a cooperative last year. Hess believes much corn is going into storage too wet. —L. F. Photo

**● Corn Yield**

(From page 1)  
acres, but on one plot he disced after plowing and on another plot he worked the ground thoroughly as he had always done. All the corn was planted with a new planter rigged to put the seed in the tractor wheel track.

We change slowly, Hess said last spring after the

corn was up and growing. He planned to cultivate all his corn once. Although it had all been sprayed with a herbicide.

To satisfy his own curiosity, Hess left about two acres untouched with the cultivator. Weed control was not a serious problem, but there were some weeds in the plot. "I believe you can do as much damage as good with the cultivator," Hess said.

"If you can control the weeds, I believe you can do without cultivating."

Now that the results are in what has he found out?

His crop will average over 132 bushels per acre on all plots. Wheel track planting worked well this year, and he will continue it next year. There was no measurable difference in yield on the areas which were cultivated and uncultivated. Minimum cultivation saved many hours of labor, many trips across the field, and a lot of wear and tear on machinery.

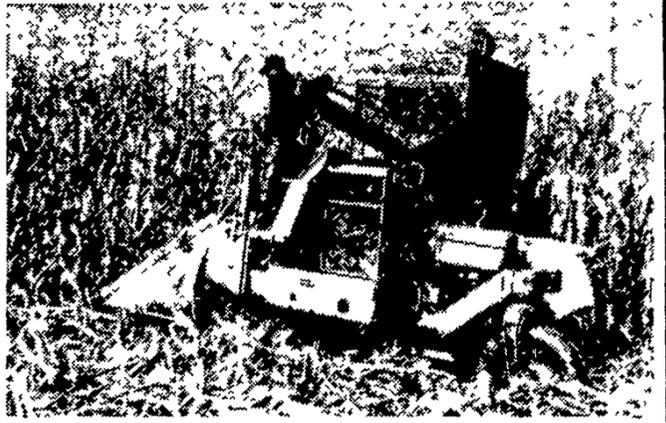
At the spring meeting in the corn field, farmers questioned whether picking might be a problem on the uneven ground left by the plow-plant method. "This is a good year for picking, but we have not had any more trouble where we did not cultivate than where we did cultivate," Hess said. Hess uses a picker-sheller and feels he was getting a good clean job of harvesting this week.

After the corn is shelled, it is hauled by dump truck to a dryer where gas fire heated air is used to reduce the moisture content to about 12 per cent for storage.

Hess believes the quality of corn possible with the drier makes drying profitable. In addition to the corn on his own farm, he will dry several thousand bushels on a contract basis for a cooperative.

Wheeltrack planting will be a part of the corn growing program on the Hess farm in 1962. As for minimum tillage, if weed control with chemicals is satisfactory the corn will not be cultivated after it is up, but Hess wants to be able to cultivate if weeds or grass threaten to compete with the crop.

If he does maintain good



CORN LEAVES THIS FIELD shelled and ready for the drier. Henry Hess, Quarryville R3, harvests corn with a picker-sheller on the poultry farm which he operates with his father, Zeigler Hess. The shelled corn is taken from the harvester by a dump truck and elevated to a storage bin over a batch drier. After the moisture content of the corn is down to about 12 per cent, the grain is elevated into permanent storage for use in poultry feed. —L.F. Photo

weed control, he stands to trips over his corn ground cut out a lot of repeated next year.



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APPLY ACCORDING TO SCHEDULE**

	Dieldrin-Fertilizer	Heptachlor-Fertilizer
In Pennsylvania	Oct. 1-Nov. 30	Oct. 1-Oct. 31
In Maryland	Oct. 1-Nov. 30	Oct. 1-Nov. 15



- Kill adult weevils before eggs are laid.
- Stimulate early spring growth
- Store fertilizer-pesticide in the ground instead of in the barn.
- Avoid delays caused by unpredictable spring weather.
- Leave more time for planting and other jobs next spring.

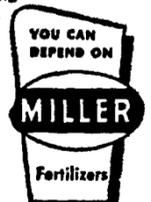
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