

## Chemical Plus Cultural Weed Control Partners For Profit

For each day you delay in cultivating corn, you can lose more than a half bushel yield per acre, says Dr. James Parochetti, weed control specialist at the University of Maryland.

You can readily see how important this becomes if wet weather should keep the cultivator out of the field for just a few days.

"We generally assume that the proper use of herbicides for weed control in corn is superior to just normal cultivation," Dr. Parochetti says. "But this assumption is based on several factors."

Early weed competition (during the first three weeks) results in the most critical reduction of corn yields, and timeliness of cultivation or chemical treatment is most important.

Dr. Parochetti cited an extensive study that compared the economics of cultivating versus cultivation along with chemical control. Using a five-day delay for mechanical cultivation, the net income could be reduced \$328 per acre. Therefore, when the delay factor is considered, chemical weed control could give an additional net re-

turn without additional worry to the farmer.

Furthermore, he adds, there is a certain peace of mind to having the major weed control operation performed early and at planting time. The labor cost of \$1.50 per hour used in the study may be low, and yields in the future may increase with advancing technology.

All of these reasons, Dr. Parochetti believes, would favor the use of chemicals with mechanical cultivation in cornfields.

55,300 men, women and children died on America's highways in 1968, according to an annual survey by The Travelers Insurance Companies. In addition, 4,400,000 persons were injured.

## New Seed Packaging Seen As Boon To Tropical Agriculture

A pilot program of vapor-proof seed packaging for South Vietnam last year has shown results that may help many tropical areas increase their food production significantly, according to U.S. Department of Agriculture scientists. It may also improve export markets for United States seedsmen.

This spring, as a result of work pioneered by USDA's Agricultural Research Service for the Agency of International Development mission in South

Vietnam, the AID Refugee Division there has ordered 3,300 pounds of specially packed U.S. garden seed. The seed will be packaged in vapor-proof envelopes, each packet containing enough seed to plant over 322 square feet.

It is estimated that 200,000 rural South Vietnamese families will benefit from the new packaging process.

Before 1967, when the ARS team arrived in South Vietnam, refugees vegetable seed was imported in large tin cans. Because of tropical heat and humidity, this seed was highly vulnerable to spoilage after the cans were opened.

To eliminate the possibility of spoilage, ARS personnel devised an on-site system of re-packaging the seeds in semi-vapor resistant envelopes which were first distributed in the Danang area. Following the successful experiment, an additional 10,000 family gardens were established in that area in 1968.

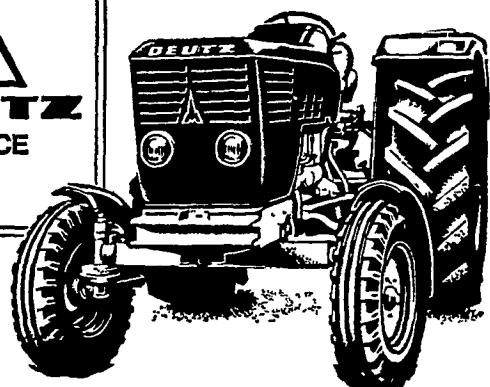
Introduction to the tropics of seed packaged in vapor-proof envelopes, now already in limited use in the United States, could affect the world's seed market. Historically, throughout the tropics, most native crops with the notable exception of rice, come from the laborious and uncertain process of planting tubers and cuttings.

Hungary with one auto per 87 persons in 1966, reported an increase to one auto per 65 persons in 1968, according to the news agency MTL.

With a population of about 10 million, Hungary has 160,000 automobiles, of which 22,000 are publicly owned and 138,000 privately owned. Hungary, which produces no autos, imports about 20,000 annually.

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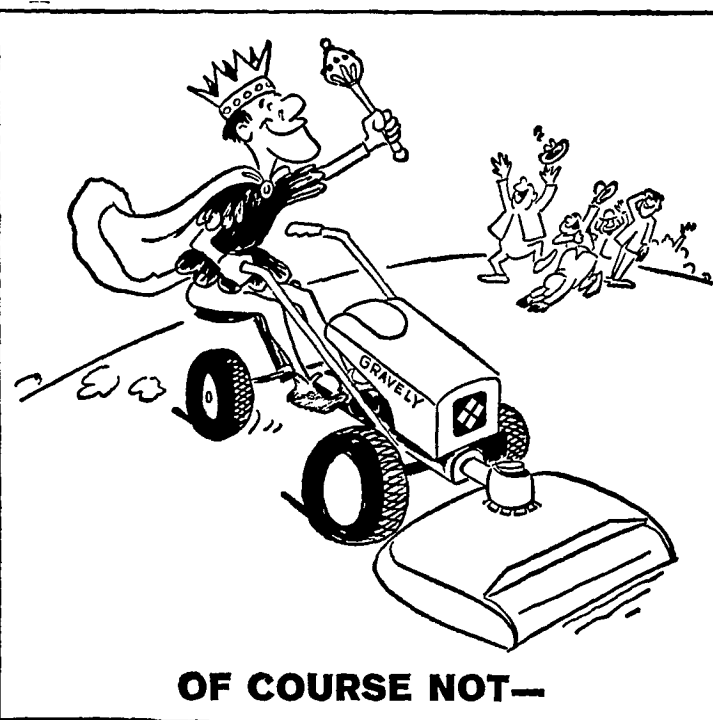
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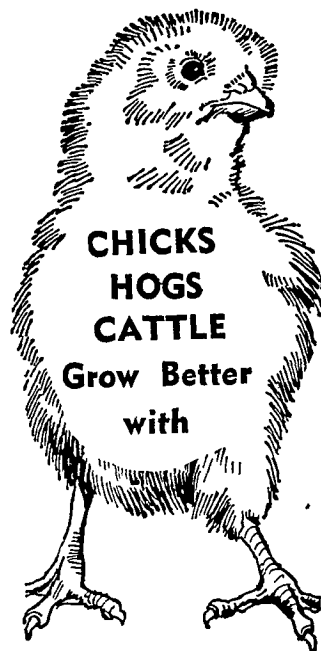
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