

## Manor Future Farmers Chapter Conducts Project In Plant Growth

An experiment in plant growth using community resources and resource personnel has been undertaken by the Future Farmers Chapter at Penn Manor High School. Following the FFA motto of "Learning by doing" the boys in the vocational agriculture classes, under the direction of their teacher, Garland Gingerich, have initiated

a program of growing healthy plants in a greenhouse owned by Martin W. Heisey, Washington Boro, R.I. The project is in cooperation with Charles Drawbaugh who is conducting the program as part of his graduate study at the Pennsylvania State University. Production of a healthy crop was only one goal in

the study, Gingerich said. The students have learned some of the environmental principles of plant growth related to the factors of light, temperature, moisture, aeration and nutrients. More important, the students have learned to transfer this knowledge to field crop production. First in the experiment, the boys planted and observed the growth of a bed of mums which are now ready for marketing. This phase of



LOOKING OVER THE BED OF MUMS they are growing as an experiment in plant environmental factors relating to growth are two members of the Manor Future Farmers of America and the greenhouse operator who is cooperating with the local FFA chapter. Left to right are Jere Herr, Mr. Martin Heisey, and Harold Herr. The boys will follow the production of plants through propagation, growing period and marketing.

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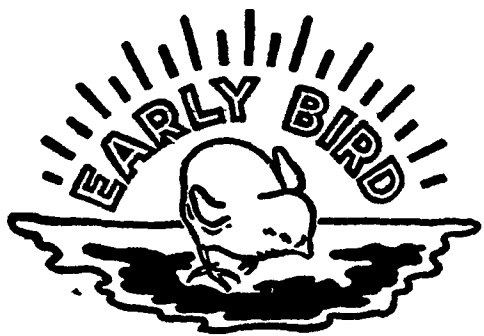
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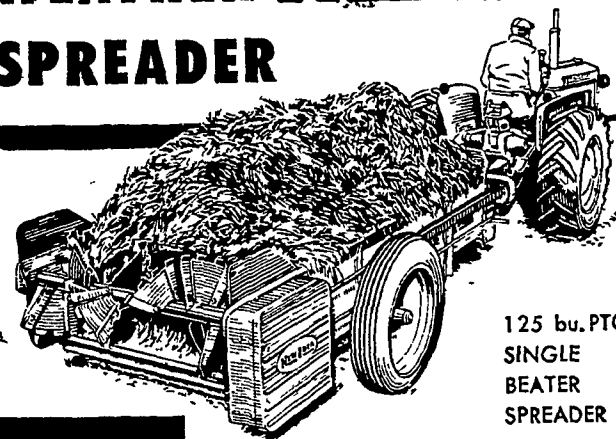
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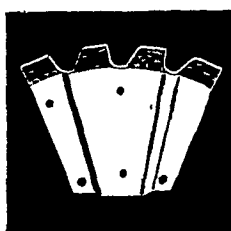
See Another Important Message from M & B on Page 7.

the business will also be part of the study. As soon as the mums are out of the bed, the boys will begin an experiment in forcing a crop of daffodils from bulbs. After the daffodils are harvested, the class will experiment in factors affecting plants grown from seed. But aside from the experience gained by the boys, the study will attempt to measure the effectiveness of different methods of presentation of educational materials. Materials for the course were furnished by Drawbaugh and Heisey, but most of the work was supplied by the boys in the class. Shipping fever annually takes nearly \$25 million from the nation's beef producers. Death losses can run as high as 10 per cent in some years.

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