

● **Penna. Foods**  
(Continued from Page 20)

of States Exhibit at the London Trade Center October 12 to 20.

Pennsylvania exhibitors and their products. Confections, Hershey Chocolate Co., Hershey; snack items, Keebler Co., Philadelphia, grape juice, Keystone Co-op Assn., North East; honey, Lancaster County Dutch Gold Apiaries, Lancaster.

Cooking wines and flavoring, Chelton House Products, Philadelphia; canned mushrooms, Grocery Store Products Co., West Chester; processed chicken, Longacre Poultry Farms, Frankonia; candies, Pennsylvania Dutch Co., Mt Holly Springs.

Canned fruit, Musselman, Inc., Biglerville; canned goods, H. J. Heinz, Pittsburgh, tobacco,

**Narrow-Row Corn Research Reported**

Corn growers can choose from more than 50 corn hybrids tested by agronomists for performance in narrow rows.

Narrow rows show promise of pushing corn yields higher, but they aren't the only factor involved. Row width, the number of plants in a row, available moisture and the particular hybrid used are all closely related, according to Dr. William Mitchell, extension agronomist at the University of Delaware. A change in any one factor alters the whole picture.

The particular research was designed to show how different hybrids respond to variations in row width and plant population in sandy soil. Mitchell says there is good evidence to believe 30-inch rows are practical.

The lack of moisture that often prevails is a limiting factor. Although midwestern corn growers are experimenting with 20-inch rows, Mitchell believes somewhat wider rows will prove most effective here. The hybrids being grown in the 600 corn plots have widely

various characteristics. "We are not the answer, according to Mitchell. However, combination of the right plant population and hybrid variety, they can give a real boost to corn yields, he believes. Tests were conducted last year under record drought conditions: yet highly significant increases in production were obtained with the right hybrid-population-row width combination. If results this year show the same trend with a good moisture supply, corn growers will have valuable information about the best hybrid-plant population narrow row combinations.

However, agronomists also play a large role in determining yields from narrow rows and higher plant population. Under these conditions, nitrogen deficiencies show up rapidly, especially if weeds compete with corn for nutrients. On the plots, corn was fertilized heavily in recent years. The crop was a failure in 1966, according to Mitchell. This contributed to a buildup of phosphorus and potassium in the soil evidenced by very high phosphorus and high potassium soil test values. For these reasons, the only fertilizer applied to this area in 1967 was 100 pounds of nitrogen supplied as anhydrous ammonia in a plow-down application.

Narrow rows, in themselves, adjusting to do before winter.

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**PLANT PERENNIALS**

September is a good time to plant many perennials, reminds Extension ornamental specialists at The Pennsylvania State University.

Iris, peonies, daylilies, hardy bulbs, and phlox are among those which can be set. Try to buy plants locally or from very nearby mail order firms, so that such plants will have less adjusting to do before winter.

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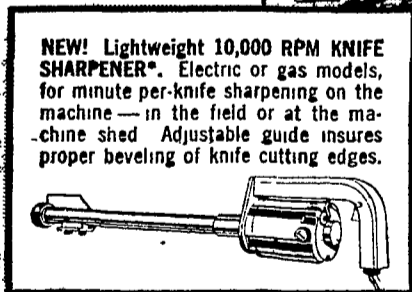
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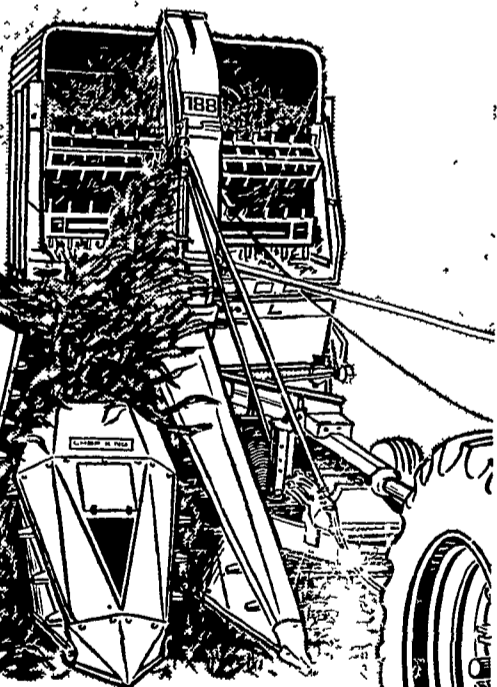
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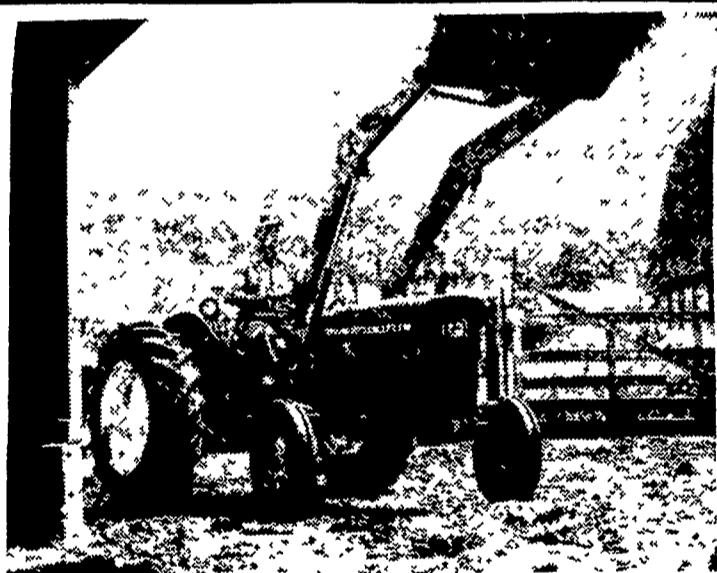
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