

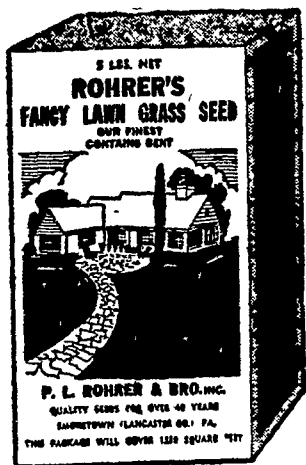
Ag College Grads Needed For Space Age

The advent of the space age has not changed the fact that, where human life and health is concerned, food still comes first.

The importance of adequate food supplies to the survival of this nation was pointed out recently by Carl F. Neumann, Chicago, secretary-general manager of the National Live Stock and Meat Board.

Mr. Neumann observed that rapid changes are taking place in agriculture, aimed at efficiently providing the nation's expanding population with ample supplies of nutritious food.

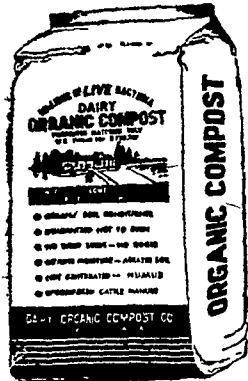
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Plant Soybeans Within Specified Date Limits

Planting of soybeans within specified dates is extremely important for successful production, the U. S. Department of Agriculture reminded growers today.

The best times to plant in the Northern States are May 15 to June 1, in the Central States May 10 to June 5, and in Southern States May 1 to June 1.

These most favorable times for planting soybeans have been determined through experiments by scientists of the USDA's Agricultural Research Service and State Agricultural Experiment Stations.

If planting is delayed beyond recommended dates, the scientists said, early-maturing varieties should be used.

"Because there are so many sciences and skills involved in producing, marketing, processing and distributing food and fiber for 175 million people, the need for agricultural college graduates has been constantly on the upswing," he said.

"We are all greatly concerned over rockets and satellites and the defense of our nation, and it is good that we are alert to the situation. On the other hand we tend to take such things as food and clothes for granted—the fact that they are readily available. But making them available is the result of many combined sciences. For the sake of the nation's health and well-being, it is essential that we have enough people trained in those sciences."

Mr. Neumann stated that an estimated 15,000 agricultural college graduates per year are needed in all branches of the food industry. However, at the present time only 8,000 students a year are graduating with degrees related to agriculture.

"In our preoccupation with the space age, it is possible that we have become negligent of the day-to-day needs of human survival," he said.

In Northern areas, medium-maturing varieties in Central areas, and full-season varieties in Southern areas.

The maturity date of soybeans yield, seed quality and oil content of the seed are affected by time of flowering which occurs only when days are of a certain minimum length.

Different soybean varieties all known as short-day plants are adapted for growth in narrow belts of latitude. These belts are determined by location in the country and time of season.

Flowering takes place in these belts, south to north, as daylight diminishes, during the summer season, to the necessary length.

USDA scientists said that generally, in any area, the maturity date of an early-maturing variety is more affected by date of planting than is the maturity date of a late maturing variety.

Fairly early plantings of early maturing varieties, and early plantings of latematuring varieties usually result in highest yields. Best-quality seed is normally produced by most early- and late-maturing varieties if planted at times that also aid in the production of highest yields.

Oil content of the seed is little affected by date of planting of early-maturing varieties, but oil content of the seed of late-maturing varieties steadily decreases as planting is delayed.

Rapid soybean emergence and growth are encouraged if planting is done after the soil temperature is 65 degrees or warmer. Allowing the

soil to warm also provides time for weeds to germinate and be killed before soybeans are planted. Too-early plantings emerge and grow slowly, permitting weeds to get established before the soybeans.

Emergence of soybeans usually takes 12 to 14 days when the soil temperature is less than 65 degrees. The plants emerge in five to seven days if the soil temperature is above 65 degrees.

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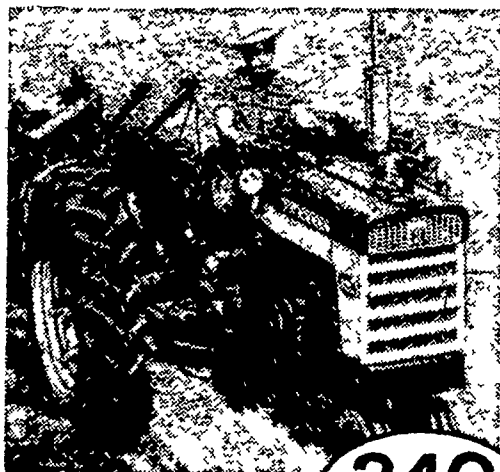
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