Hybrid Vigor In Dairy Herds By Crossing in Breed

W. A. Regan

The general statement of hybrid vigor in dairy herds in Holstein, Jersey, and Holstein-Jersey crosses is that in the main, these desirable traits are found to some extent in the crossbreds.

Over a quarter of a century ago we began the task of developing an inbred line of Jersey purebreds which would have a high order of transmitting ability for high milk and butter-fat production and that, at the same time, would be free from simple recessive defects in the main, these objects have been accomplished.

An important phase of the work requires the use of the cows of the cooperating breeders to be used to breed the line of young bulls from the University herd. Both purebred and grade Jersey herds are used for this purpose.

The offering of grapes fell short of expectations at times during that season. Some difficulty was had with the conditions of harvesting and picking of the desirable grapes that are often selective in the gathering.

Grape crops from 1942 to 1946 were the largest in the history of California grape production. With emphasis on quantity, quality suffered. With fruits again moving freely in the normal channels of trade, buyers are becoming quality conscious. The demand for better quality was evident in all markets where fruits and grapes were sold during 1946.
The importance of wild birds in the transmission of salmonellosis to turkeys was emphasized by the occurrence of a large human salmonellosis outbreak caused by turkeys. Salmonella J, once believed to be of chicken origin, gave negative results. A high percentage vaccinated or nonvaccinated turkeys were found to be healthy with no signs of infectious salmonellosis. The disease was transmitted to people from turkeys in one section of the state where the pouls were put on the market. The disease was transmitted to people from turkeys in one section of the state where the pouls were put on the market.

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DONATIONS FOR AGRICULTURE RESEARCH

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California Olive Association, San Francisco..............................................................$1,000.00

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The Forage Crop Experiment Station, Davis..........................................................$1,000.00

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