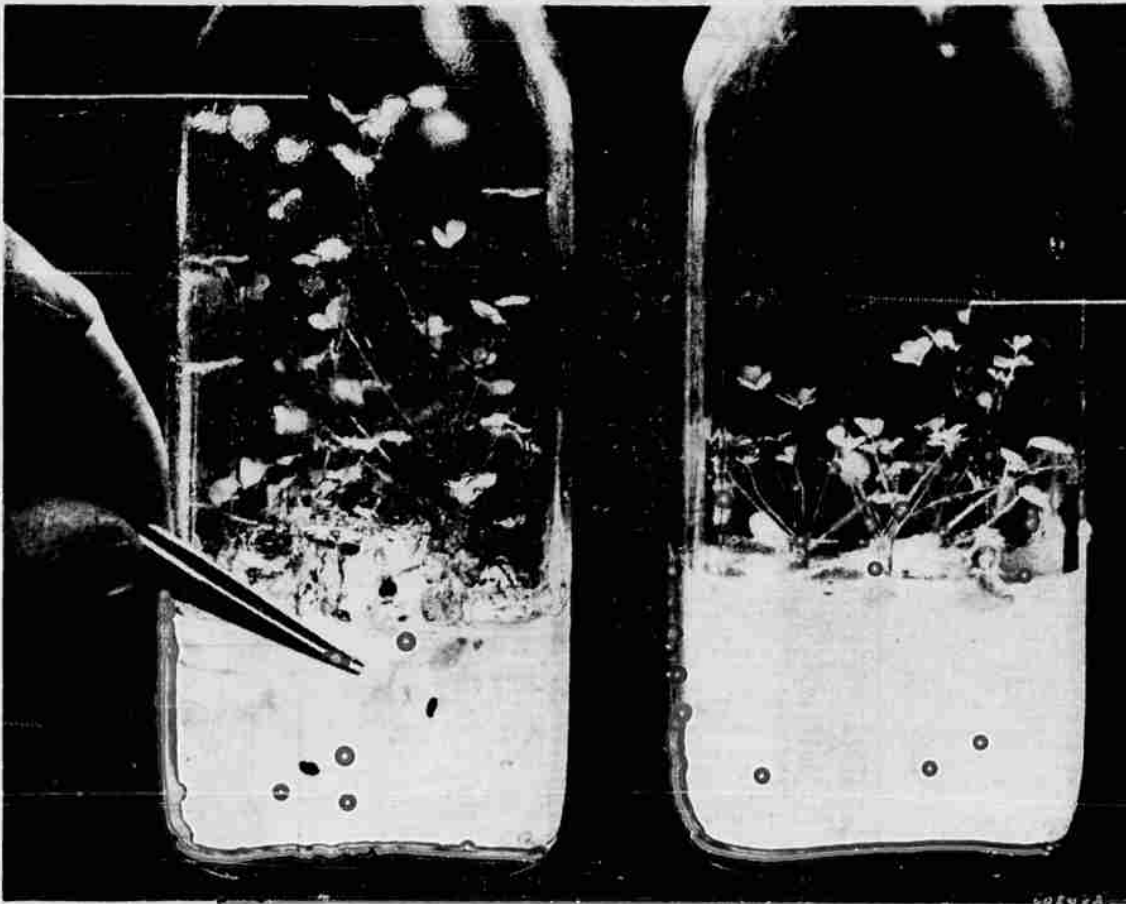




COMPARATIVE GROWTH of treated and untreated alfalfa seed is shown in this controlled laboratory test. Arrows indicate higher growth of treated seedling, left, compared to uninoculated seedling, right. Tweezers point out nodule formation on treated seedling.

Specialty Treated Alfalfa Seed To Be Made Available

Noculized alfalfa seed, the specialty treated seed that is pre-inoculated with live, nitrogen-fixing bacteria strains before it is bagged, will be available to Klamath Basin farmers in 1960.

The Noculized process, first introduced last year in the Midwest, is a wholly new concept in seed inoculation. Increased yields of high quality hay, better plantability and the elimination of messy, time-consuming hand inoculation, are just three of the important ways this development will benefit farmers, according to experts.

Through a special agreement, nine of the nation's major seed firms will be processing Noculized seed. In addition, others have been licensed to merchandise the Noculized seed.

This important research development involves four basic steps. First, quality alfalfa seed meeting Noculized specifications is selected. Then a liquid suspension of selected bacteria strains is applied to each seed. Next, a vacuum is created which forces these bacteria inside the seed where they live for many months. Finally, the seed is bagged, ready for distribution and farm use. Samples of each lot treated are submitted for periodic "grow out" tests to insure maintenance of quality.

By eliminating the need for inoculating seed just before planting, the process will save farmers valuable time and effort. When inoculation was done on the farm, bacteria would die within a few hours after application to the seed by the old methods. The wet, lumpy inoculated seed often clogged the planter. The old methods meant that many legume plantings were either poorly inoculated or, because of the bother, not inoculated at all.

More than a million acres of Noculized alfalfa seed were planted in 1959. A spokesman for Noculized seed said that survey re-

sults of these plantings proved that the new process for preinoculating seed gives yields equal to or superior to that of seeds inoculated in the conventional manner.

The nine firms which will apply the process to their quality alfalfa seed are: Allied Seed Co., Fort Wayne, Indiana, and Buffalo, New York; Arnold-Thomas Seed Service, Fresno, California; Ed F. Mangelsdorf & Bros., Inc., St. Louis, Missouri; Northrup, King & Co., Minneapolis, Minnesota; Boise Idaho, and Fresno; Northwest Cooperative Mills, St. Paul, Minnesota; Producers Seed Co., Decatur, Illinois; Rudy - Patrick Seed Co., Kansas City; Taylor-Walcott Co., San Francisco, and Waterman-Loomis Co., Bakersfield.

Traffic Picket Show Hobby

NEW YORK (UPI) — Thomas Settiani had a hard time convincing police that he had accumulated 125 traffic tickets in the five years since he started driving at the age of 14.

But they began to believe him after a check determined that Settiani had indeed received at least 17 tickets for speeding, driving without a license, passing red lights and so on. They continued their investigation to find out whether there were more.

One reason for the difficulty in proving the youth's charges against himself was the fact that he had accumulated his tickets — "as many as six or seven a day," he said — under five sets of license plates on five vehicles.

Settiani, who turned himself in at police headquarters, said the authorities had never once come around looking for him. He also reported that he had never received a ticket for illegal parking.

Race Driver Gives Advice

FOXBORO, Mass. (UPI)—America's harness raceways are getting to be almost as dangerous as the nation's highways, says silver-haired Townsend Ackerman, who is retiring at 71 after more than 30 years as a driver.

"Stricter regulations in granting licenses to drivers is the greatest need of the trotting and pacing sport today," he said. "It's almost a joke the way it is now. Buy a set of gear, pay the fee and you're a driver. It's as simple as that—and as dangerous."

Ackerman believes drivers should have several years of apprenticeship with harness horses before they are allowed to drive in competition.

Cal Hubbard, 39, has been American League umpire supervisor since 1954.

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The Iowa-Notre Dame football series began in 1921. The Irish have won nine games, Iowa six. Three games were ties.

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