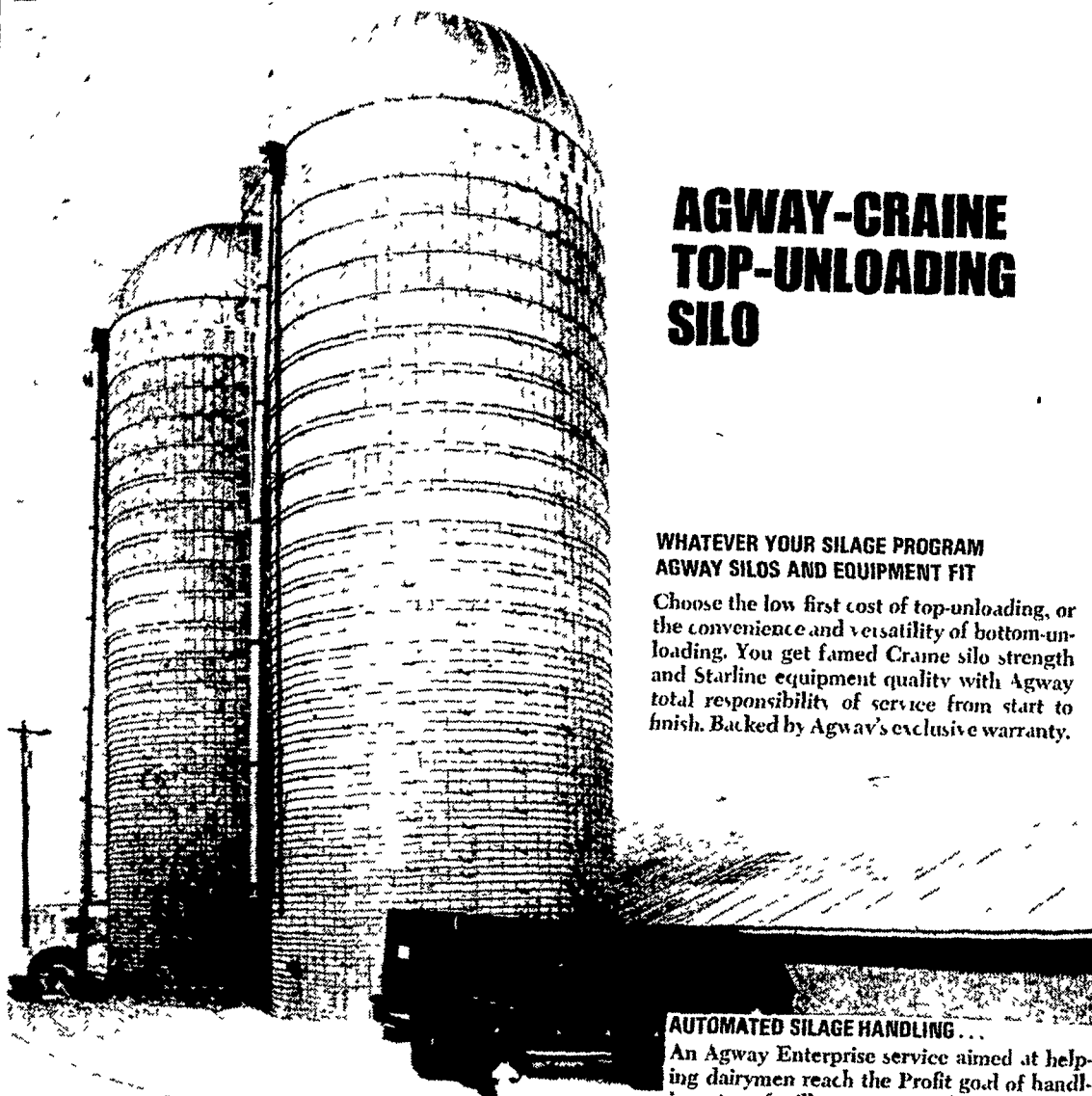


AGWAY



AGWAY-CRAINE TOP-UNLOADING SILO

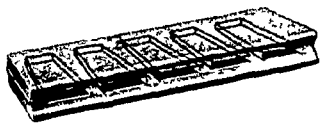
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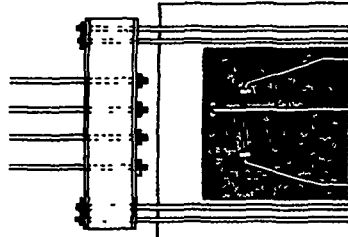
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DOUBLE-STRONG SPREADERS SPAN CHUTE DOORS—Craine spreader assemblies are engineered to develop twice the design strength of the hoops.

- Single and double hoops are tied to 5" channel steel spreaders with single 9/16" draw bars above and below the door.
- Triple hoops connect to 6" channel steel spreaders with 1 1/16" draw bars spanning the door frame.
- Quadruple hoops connect to 6" channel spreaders that have a steel plate welded across the face creating a box-member for additional strength to meet the required tension of the four 9/16" draw bars, two above and two below door opening. In this way, the double strength objective is assured from top to bottom. 'Sling' type spreaders used on many silos actually reduce the potential strength of their connecting hoops by as much as 50 per cent.



BIG, EASY-TO-HANDLE DOORS—Craine doors are 20" by 23" for easy access. Two layers of redwood form each door. Beveled on all four sides for tight seal. Swing on husky hinges and stay there—no hoisting or danger of dropping one (the hinge forms an easy-to-use ladder). Door frames are reinforced with a 3/4" high-tensile continuous-weld steel rod.

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USDA Is Ready to Detect Foreign Animal Diseases

Ability to quickly and accurately diagnose foreign animal diseases such as African swine fever would be of vital importance if an outbreak should occur in U.S. livestock, a scientist of the U.S. Department of Agriculture (USDA) said recently.

Visiting reporters at the Plum Island Animal Disease Laboratory at Greenport, N.Y., were briefed by Dr. Ahmed H. Dardiri, head of the Diagnostic Investigations Section. "Developing this ability is one of our responsibilities," said Dr. Dardiri.

Because time would be of absolute importance in case of an outbreak, the diagnostic staff at the laboratory is on call 24 hours a day. "We can immediately mobilize to begin mass diagnosis on large numbers of animals," Dr. Dardiri told newsmen.

At the Plum Island laboratory scientists of USDA's Agricultural Research Service have developed tests for diseases not present in the United States—foot-and-mouth disease, lumpy skin disease, ephemeral fever, African swine fever and others.

The 34 diseases being studied or scheduled for study in the near future are researched in the order of their economic importance to our livestock industry. Of primary interest now are foot-and-mouth disease and African swine fever, both of which are potential costly threats to our livestock.

Foot-and-mouth disease is of continual concern because it is present in most of the countries of the world. African swine fever, on the other hand, only recently invaded Cuba, its first appearance in the Western Hemisphere. An important activity of the laboratory is special training courses for veterinarians on recognition of this and other diseases. African swine fever so closely resembles domestic hog cholera that only diagnostic tests can differentiate the two diseases.

Plum Island has the capability to diagnose 300 specimens daily for African swine fever in the event the disease should gain entrance into our country.

Also on hand at the laboratory are the agents needed to diagnose 17 other diseases that could threaten our livestock. Several other disease agents are included in the lab reference reagent

repository and agents which are not on hand for diagnosis can be obtained from other countries in the event of an emergency.

Through strict quarantine of livestock and unprocessed meats and meat products, from countries where diseases alien to the United States exist, and by constant checking of our livestock for new diseases, our country has remained relatively free of foreign disease.

Diagnosing specimens from animals and animal products that could be contaminated with a foreign disease represents 50 per cent of the work done at the laboratory. Zoo animals and imported biological and meat products as well as livestock are checked for disease organisms.

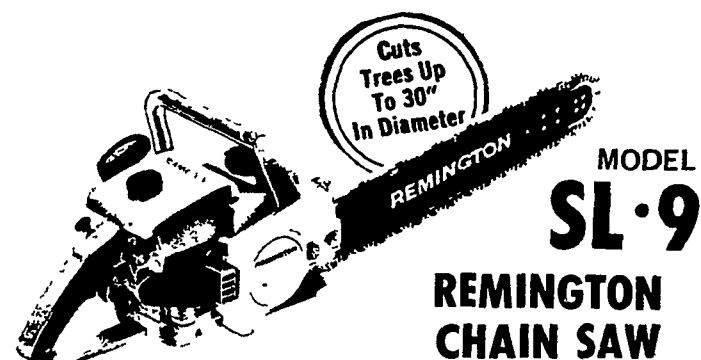
Samples taken from animals suspected of having contracted a foreign disease arrive every week at the laboratory for diagnosis. Fast, accurate diagnosis is necessary in these instances, for if it is indeed a foreign disease, the livestock population of the United States is extremely susceptible, and time is of the utmost importance.

Demands for the services of the laboratory are rapidly growing. In 1961 for example, diagnostic service was required for only 34 specimens and only 4 diseases were thought to be involved. By contrast, so far this year, diagnostic service has already been required for over 2,075 specimens and 12 diseases have been suspected.

In addition to examining specimens received from the field and training veterinarians in the recognition of foreign diseases, the laboratory functions in other ways—conducting research for developing new diagnostic tests, participating in investigations of diseases to determine their spread, and studying diseases in depth to improve our knowledge of the disease, its diagnosis and control.

With the swift travel of today, when a man can be on a farm in a foreign country in the morning and in a similar location in this country only hours later, the threat of a foreign animal disease crossing our borders is constant. Only by strict quarantine and rapid, accurate diagnosis by the scientists at Plum Island can our country continue to be free of diseases that could devastate our important livestock industry, ARS officials said.

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