

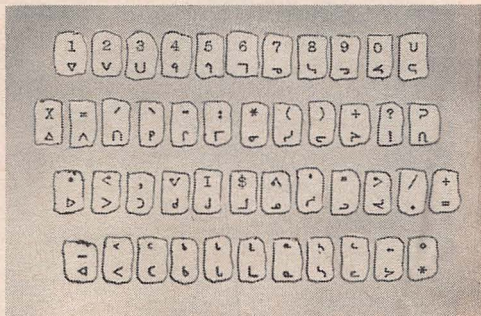
Chemical "Glues" Sand Down

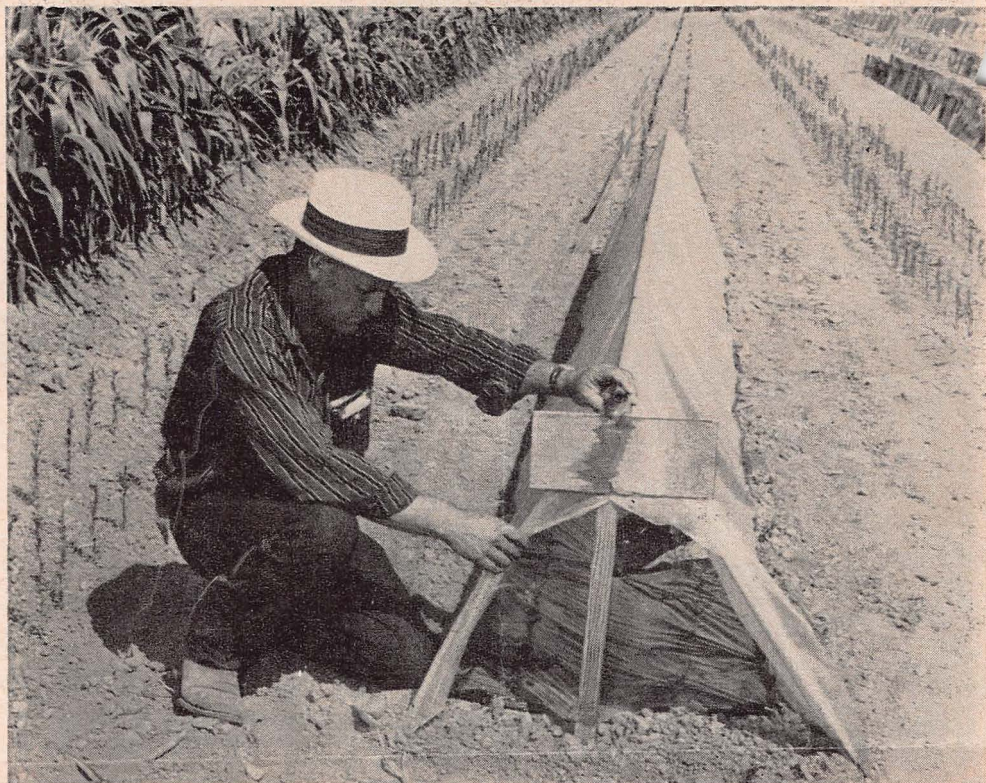
Like oil on choppy water, a new chemical spray, Turbozan-14, stabilizes blow sand along highways, airfields, rail lines and pipelines to prevent it from blowing, even in high winds. The chemical, a paper-mill waste product, is applied by a high-velocity turbine sprayer mounted behind a truck, which throws the stabilizer over a 100-foot swath at a velocity of 180 miles an hour. Sprayed over loose sand as thinly as three ounces to a square yard (at a cost of two cents), Turbozan hardens to form a crust-like heavy frost (right), effectively "gluing" the surface in place. The blower can also be used to plant grass in sandy areas.



Typewriter for Eskimo Dialect

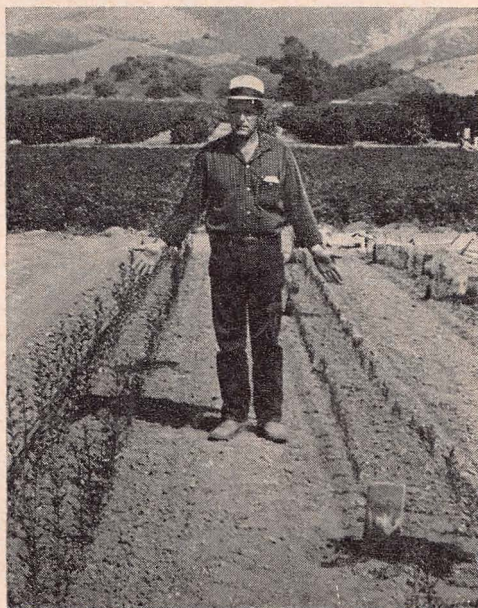
Ever seen anything written in Inuktitut? The 46 sets of characters at right are the keys of a typewriter designed by Leo Manning, Eskimo linguist, for writing the difficult Eskimo dialect in syllabic characters. The typewriter will be used in preparing a new quarterly magazine published by the Canadian Department of Northern Affairs for 3500 Eskimo families scattered over half a million square miles. Delivery will be by plane, boat and dogsled.





Troy Gary shows ultimate use of polyethylene: clear sheets for sides and roof, black sheets for mulch covers

Two rows of young trees dramatize results of experiment. Vigorous trees on left were grown with plastic mulch covers and windbreaks. Smaller trees on right were planted at same time but without polyethylene



"Poly" Coddles Plants

By Thomas A. Dickinson

INEXPENSIVE polyethylene plastic has been successfully tested as a substitute for greenhouses for nursery stock.

A citrus grower, Troy Gary of Santa Paula, Calif., used both black and clear polyethylene sheets as mulch covers for the earth surface and as lean-to windbreaks above the ground.

Primary purpose of the plastic is to store up heat from the sun. Resulting temperatures around the roots and foliage was 5 to 12 degrees above prevailing temperature.

(Continued to page 252)