New theory in Effect of lenath of Dhotoperiod on I

ADHESIVES FOR WOOD

The most effective adhesives for wood
joints have a moisture content between
8% and 12%. Apparently a monomolec-
ular layer of water between the wood
and the adhesive is necessary to provide the adhesive force, through hydrogen bonds. To correlate other factors with the new theory, an extensive microscopic study of glue joints in wood is being made. Research is directed to the various stresses and to the importance of such other factors as penetration of adhesives, surface texture and density, and surface damage before gluing.4. E. Marian, Forest Products Laboratory, Berkeley.

Search for chemicals to kill

FUNGI IN SOIL

without injury to crop plants

Of approximately 2,000 chemical com-pounds tested as soil fungicides, not more than 10 warranted additional investiga-tions in a systematic search for a safe, effective fungicide harmless to crop plants. One of the 10 promising com-pounds, Terraclor, has effectively con-trolled root rot of beans and a fimited number of other plant diseases.
Research on one of the dithiocarba-mate fungicides shows that it kills soil fungi by first destroying their protective cell walls.4. B. Kendrick, Jr., Dept. of Plant Pathology, Riverside.

New process produces

FLOR-TYPE SHERRY
in less than six weeks

A new type of wine