

EXSYS Case Study

Tree Selection Based on Environmental Conditions

Rubber Research Institute of Malaysia

A knowledge automation system was developed by the Rubber Research Institute in Malaysia to recommend specific rubber tree clones for plantations based upon the specific conditions of that plantation. The complete system includes the knowledge automation system, presentation graphics of environmental condition maps, and information on the various types of clones. A critical aspect of system design was for the system to be run by end users with no training. It was designed to be used by the plantation growers themselves and is made available to plantations without electricity on **battery powered laptops**.



The Institute has found that the selection of the proper clone is the single most important factor in enhancing production. System recommendations can be compared to clones actually in use. The system incorporates graphics and other data assists in presenting a complete explanation of why a particular clone is suitable.