Soil Test Interpretation Computer Program Thesis title Lime and Fertilizer Recommendation for Economic Crops.

Master of Science (Appropriate Technology for Degree

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Abstract

This thesis presents the development of a computer program

soil test interpretation. The program has been developed to determine the fertility level of individual soils in order to give lime and fertilizer recommendation for some economic crops grown Thailand. It was writen by using the Foxbase+ ver. 2.10 and compiled the Clipper Compiler, ver. Summer '87. Much field and laboratory research data at many locatoins are required. The program database obtained from soil-crop data used for routine recommendation was the Soil Mobile Laboratory and the Division of Soil Analysis, the Department of Land Development. Lime and fertilizer recommendation is based on the laboratory soil analysis values and crop to be grown.

The program was preliminary tested by different group ranged from technicians to researchers in agricultural field. most consideration of all users for this program are aceptable reliability, convenience, and personal preference. It is recognized as effective tool of determining rapidly and routinely the lime and fertilizer requirements for a particular soil croping situation.