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**PREPARATION OF SUPPLEMENTARY BOOK
ON AGROCHEMICALS
FOR G.C.E. (ADVANCED LEVEL) STUDENTS**

A PROJECT REPORT PRESENTED BY

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ABSTRACT

It has already been identified that an essential feature of the new millennium is to improve reading habits among G.C.E. (Advanced Level) students. The aims and objectives of this project are therefore made to provide this knowledge, especially in the field of chemistry. Also, this would create awareness among students on environmental issues and willingness to protect the environment.

The above objectives are meant to be achieved by means of a supplementary textbook. The topic of the book is selected as AGROCHEMICALS after analyzing the G.C.E. (Advanced Level) chemistry syllabus, doing a survey among the students who sat for the G.C.E. (Advanced Level) examination from the Central Province, doing a survey among the farmers who cultivate vegetables in Nuwara Eliya, collecting data from the market and from the Registrar's Office of the Pesticides of the Agriculture Department. Further, quantitative results on several pollutant parameters have been obtained by analyzing polluted water samples collected from the Gregory Lake, Nuwara Elya.

Studying various textbooks, annual gazettes and internet helped to gather for the book. The format of the book was decided after consulting in any information supplementary books written under various topics.

This supplementary book consists of twelve chapters. The introductory chapter is on the history of agrochemicals. The second and third chapters are on fertilizers, and pesticides, respectively. The fourth chapter discusses about plant health and plant diseases. The fifth chapter discusses about the effect of the weeds. The sixth chapter discusses about the use of herbicides. The seventh chapter is on the selection of pesticides. The eighth chapter discusses about purchase, transport and storage of pesticides. The ninth chapter discusses about formulation, measuring and mixing. The tenth chapter discusses about pesticide application equipment, techniques, maintenance and repair. The eleventh chapter discusses about environment pollution occurred by agrochemicals. Finally, the last chapter discusses about first aids for possible accidents.