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ALEXANDRIA UNIVERSITY

Faculty of Agriculture

(Saba Basha)

Plant Production Dept.

17322

**STUDIES ON THE EGYPTIAN COTTON GRADE BY
THE HIGH VOLUME INSTRUMENT (H.V.I.)**

BY

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For the degree of

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INTRODUCTION

Egyptian cotton has long been known for its top quality fibers which acclaimed a good reputation in the international cotton markets. The market value of cotton is largely determined by a subjective evaluation of a limited number of quality parameters such as fiber length, fineness, and grade.

The grading system in Egypt depends upon the experience of the classer to determine grade and quality of the raw cotton properties according to the official grade standards for each cotton variety.

Cotton dealers all over the world are moving towards new technology to evaluate the fiber properties, colour grade and trash grade. This is happening since 1991 for all the Upland cotton in the U.S.A. using the High Volume Instrument (H.V.I.).

A successful attempt was conducted by the Food and Agriculture Organization (F.A.O.) in Pakistan for the adoption of colour grade chart of the H.V.I. to be convenient to the local grading system.

All Pakistan's cotton now instrumentally classified by the same instrument.

The previous attempts of the instrumental grading of the Egyptian cotton by the H.V.I. using the Upland cotton colour chart demonstrated a high conflict between the colour and classer grades. This may be due to the difference in genome, colour, method of ginning and preparation between the Upland and the Egyptian cotton.