



# INTRODUCTION



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A thorough knowledge about the soils of Egypt is essential to improve the management and output of promising as well as existing agricultural areas in Egypt .

Land evaluation provides information and recommendations for deciding "which crops to grow and where to grow them" .It involves the selection of the most suitable of land , cropping systems, irrigation and management practices that are physically and financially practicable and economically viable . The main product of land evaluation investigations is a classification that indicates land suitability for specific kinds and types of use. The concept of "land utilization type" is a key concept for understanding land use in agriculture . It includes many broad categories and their sub-divisions as well as the levels of management which exist within certain defined types of land use.

El-Hasainiya plain is located in the northern part of the Nile Delta and is considered one of the main promising areas for agricultural expansion on both sides of El-Salam canal , the present work has been undertaken to :

- (i) obtain a detailed information about the soils of the area.
- (ii) characterize the main soil units in the area according to soil Taxonomy.
- (iii) evaluate soil in the light of existing land utilization and classify soil according to the land capability and land suitability