RESEARCH ON SOIL QUALITY AND SWEET CORN PRODUCTION IN BLACK CRIȘULUI MEADOW, ROMANIA

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Abstract*: This study delves into the relationship between natural conditions and sweet corn cultivation in the Black Crişului Meadow. The research meticulously examines the environmental factors of this region and their impact on sweet corn production, which are crucial for implementing sustainable agricultural practices aimed at improving quality and yield. The investigation primarily focuses on the physical and chemical characteristics of the soil within the study area and sweet corn production*.

Keywords: soil, pH, sweet corn, hybrid

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1. Introduction

The Black Crisului Meadow is an area of distinct agricultural significance, given the importance of soil quality in the agricultural production process. Since soil plays a fundamental role in supporting and thriving agricultural crops, this study focuses on a detailed analysis of soil quality and its influence on sweet corn production in the Black Crisului Meadow.

Agricultural research has highlighted the importance of adapting crops to local specifics, and sweet corn is a prime example of this. Our goal is to identify and understand the soil quality within the studied area and how this aspect influences the growth, development, and yield of sweet corn crops.

A detailed understanding of these aspects is essential for implementing sustainable and efficient agricultural techniques, resulting in the improvement of both the quality and quantity of agricultural production. Therefore, this article focuses on highlighting soil quality and its impact on sweet corn production in the Black Crișului Meadow, providing relevant and practical information useful for farmers and researchers in optimizing agricultural processes.

2. Materials and methods

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