

***Section 4: Plant Sciences and Horticulture*****FERTILIZING SYSTEM AND YIELD LEVEL IN MAIZE IN THE  
CONDITIONS OF THE DIDACTIC STATION IN TIMISOARA,  
ROMANIA**

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**ABSTRACT –Fertilizing system and yield level in maize in the conditions  
of the didactic station in Timisoara, Romania**

Studies and research on which this paper is based aimed at improving the fertilising system in maize in the soil and climate conditions of the DS in Timisoara. While cultivating new maize hybrids with different yielding potential and using different fertiliser assortments, new agricultural technologies on the ground of changing economic and soil and climate conditions, we need to improve and optimise fertilising systems. Research highlighted the different impact of maize assortments and fertiliser doses on yield analysis of results from the point of view of linkage distance point out multiple fertilisation solutions to obtain comparable results.

**Keywords:** soil fertility, mineral fertilisers, fertilizer systems, maize crop, linkage distance