

HARVEST INDEX, BIOMASS PRODUCTION AND THEIR RELATIONSHIPS WITH TUBER YIELD IN POTATOES

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ABSTRACT

Ten potato cultivars (Marfona, Ditta, Ar850019, Armundo, 300/86, Diamant, Bolesta, Helena, Signal and Agria) randomly sampled among the 43 entries in a micro yield trial were used in the study and the tuber yield, the biomass and the harvest index were determined.

Simple correlation, regression and multiple regression analyses were applied to the data. Significant correlation and regression coefficients determined between tuber yield and biomass and the vegetative parts of the plant above ground indicated that the selection of potato genotypes with high biomass and vegetative parts above ground may increase tuber yield.