



Caracteristici biologice și fiziologiceale unor soiuri de cartof

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In this paper three new created advanced cultivars - Magic, Astral and Rapsodia besides the cultivars Ostara, Desirée and Sante were analyzed. At these cultivars, the dry substances, protein, starch, soluble glucose and chlorophyll pigments contents were determined. Also, the cultivars from photosynthetic efficiency point of view were evaluated. The biggest values of the dry substances content from leafage were registered at the semi earlier Astral and Rapsodia. The biggest protein content was registered at the earlier cultivars Ostara and Magic and at the semi earlier cultivars Astral and Rapsodia. The cultivars Desirée and Sante had the biggest starch content. Concerning the concentration of the leafage in "a" chlorophyll it observed that it was smaller at the earlier cultivars. The quantity of the translocated products from leafage and the consumed quantity through respiration has been increase because of the intense photosynthesis. The relations between these two processes groups determined the significant values of the correlation coefficient ($0,87^*-0,96^{**}$).