

Abstract

The research was based on morphological and physiological characterization of a range of eight hybrids of ornamental cabbage, as forms of cabbage leaves (*Brassica oleracea* var. *Acephala* DC). The research was conducted in 2011 in the experimental field of the Department of Vegetable, within USAMV to farm "Vasile Adamache". The aim of the research was to promote forms of ornamental cabbage studied to enrich knowledge of these varieties and their exploitation in landscape architecture. The results obtained showed the influence of hybrids and B factor (month) on plant height, influence of hybrids and B factor (month) to the number of leaves and vegetative mass dynamics of the species studied. Analysis of hybrids and B factor (month) on plant height and number of leaves showed a progressive increase in the values recorded by them. Number of leaves ranged from 10.48 to 26.33 Crane Pink hybrid to Red Peacock hybrid. Regarding the vegetative mass is noted that the Glamour Red hybrid achieves highest vegetative mass of 800.6 g and hybrid lowest mass Crane Pink vegetative, respectively 591.6.

Key words: *Brassica oleracea* var. *acephala*, physiology, morphology, biological development.