

SEASONAL DYNAMICS OF THE CONTENT AND COMPOSITION OF CARBOHYDRATES OF *STACHYS HISSARICA* (LAMIACEAE)

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SUMMARY

The dynamics of accumulation of carbohydrates in the above-ground (grass) and underground (rhizomes) organs of *Stachys* (*Stachys hissarica*) (family *Lamiaceae*) for the different periods of vegetation is studied. Their monosaccharide composition and physicochemical properties are determined. It was found that the high content of water-soluble polysaccharides in overground and underground organs of *S. hissarica* is observed in the beginning of the growing season. Throughout the development of the plant phenophase content of pectin and hemicellulose in the aboveground part increases, and in rhizomes - decreases.

Key words: *Stachys*, carbohydrate, water soluble polysaccharide, pectin substances, hemicellulose, monosaccharide.