

**BIOLOGY OF *TULIPA BIEBERSTEINIANA* (LILIACEAE) FLORIFICATION**

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SUMMARY

Processes that determine basic parameters of *Tulipa biebersteiniana* Roem. et Schult. breeding biology were studied. A great importance was given to plant anthecology. The most variable features of the flower were determined including five phases of its development. Acutely expressed circadian rhythm of florification was noted. Different adaptations of the flower to increase the effectiveness of pollination were revealed as well as specific composition of pollinators. Two groups (races) of plants were determined on the basis of morphological, physiological and biological characteristics of florification in different populations of *T. biebersteiniana*.

Studies of reproductive strategy of *T. biebersteiniana* plants showed its low seed production that was compensated with vegetative propagation by bulbs formation on stolons.

Key words: *Tulipa biebersteiniana*, florification, pollen fertility, seed productivity, vegetative propagation.