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## **EXPRESSION PATTERNS OF MORPHOLOGICAL PARAMETERS OF LODGING RESISTANCE IN SPRING DURUM WHEAT F<sub>1</sub> HYBRIDS**

Studying inheritance manner for morphological traits of stem in F<sub>1</sub> hybrids gives information about the nature of their genetic control and allows roughly predicting further selection, so the purpose of the research involved identifying inheritance patterns for morphological parameters of lodging resistance in spring durum wheat F<sub>1</sub> hybrids. Resulted from the study of inheritance of morphological parameters of lodging resistance in spring durum wheat F<sub>1</sub> hybrids, various character of phenotypic inheritance – of positive overdominance to depression – was observed. The F<sub>1</sub> hybrids with strong to break straw (Kharkivs'ka 27 x Neodur, Saratovskaya zolotistaya x Neodur, Spadshchyna x Line 10 – 01, Chado x Leucurum 02 – 03, Leucurum 02 – 3 x Slavuta) to be characterized with high lodging resistance have been identified. The hybrids with the second internode stunted that results in height reduction (Kharkivs'ka 27 x Leucurum 99 – 6, Izol'da x Leucurum 99 – 6, Line 10 – 03 x Ammar 9, Leucurum 02 – 3 x Leucurum 99 – 6, Line 10 – 04 x Ammar 9) are also being of practical interest.

F<sub>1</sub> hybrids inherited these traits by positive dominance and positive overdominance. It enables us to suppose that such character of gene recombination aimed at transferring these signs from parental forms to hybrids will remain in subsequent generations and allow selecting valuable for breeding transgressive forms.

Key words: spring durum wheat, F<sub>1</sub> hybrids, resistance, inheritance, dominance.