



## Modificari histo-anatomice si fiziologice induse de tratamente cu ierbicide la Zea mays. I.

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In this paper the authors underlined the histo-anatomical and physiological changes induced by herbicides treatments at a valuable fodder plant – Zea mays. The material used proceeding from germinated seeds growing in experimental field of Agricol Research Station Podu Iloaiei Iași. The vegetal material was treated with four different herbicides used in different doses and in different stages of vegetative growth; this herbicides are: Butizin 40 SC, Dual Gold 960 EC, Guardian and Primextra 500 WF. The herbicide treatments delay the lignification's process, but stimulate the root hairs growth. The applied treatments reduced the size of bulliform cells, which remain smaller comparative with the control.

From physiological point of view, the applied treatments induced not significant modifications at the foliar apparatus level; the treatment with Dual Gold increase the vital process of this plants comparative with the control.