



## Cytogenetic effects induced by hexanitrogen-cobaltat III of sodium on mitotic division at *Triticum aestivum* L

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The paper presents the influence of hexanitrogen-cobaltat III of sodium upon the cellular division at *Triticum aestivum* L. The treatment with hexanitrogen-cobaltat III of sodium in three concentrations: 5%, 1%, 0.1% for 4 hours and 2 hours of on wheat radicular meristems were expressed by chromosomal mutations, especially in ana-telophase: chromosomal bridges, little chromosomal fragments and retardatory chromosomes, multi-polar ana-telophases, many micronuclei, whose rate was differentiated depending on the concentration function and time of action of respective chemical agent. Frequently chromosomal aberrations induced by hexanitrogen-cobaltat III of sodium are bridges very thick who determine citomixia phenomenon. Also, hexanitrogen-cobaltat III of sodium induced many micronuclei and picnotic nuclei non-functional. Hexanitrogen-cobaltat III of sodium has a strong inhibitory effect on mitotic division of *Triticum aestivum* L. Particularly metaphase and anaphase are inhibition. The experiment proved that hexanitrogen-cobaltat III of sodium, known as a polluting agent has a mutagenic potential on the plants.