Cytogenetic effects induced by PENTACYANO-MONONITROSO-FERRAT III on mitotic division at TRITICUM AESTIVUM L.

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The paper presents the influence of natrium pentacyano-mononitroso-ferrat III upon the cellular division at Triticum aestivum L. The treatment with of natrium pentacyano-mononitroso-ferrat III on wheat radicular meristems were expressed by chromosomial mutations, especially in ana-telophase (chromosomial bridges, chromosomial fragments, micronuclei, multipolar ana-telophases etc.) whose rate was differentiated depending on the concentration function and time of action of respective chemical agent. Also, natrium pentacyano-mononitroso- ferrat III has a strong inhibitory effect on mitotic division of Triticum aestivum L. The experiment proved that natrium pentacyano-mononitroso-ferrat III, known as a polluting agent has a mutagenic potential on the plants.