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ЕФЕКТИ ГЕНОМНОЇ НЕСТАБІЛЬНОСТІ В ПОПУЛЯЦІЯХ *DROSOPHILA MELANOGASTER* ІЗ РІЗНИХ ЗА ВПЛИВОМ РАДІАЦІЙНОГО ФАКТОРА РЕГІОНІВ УКРАЇНИ

Виявлено різницю частоти гонадального дисгенезу як показника активації мобільних елементів у F1-нащадків природних популяцій *Drosophila melanogaster* із різних, за радіаційним навантаженням, регіонів України. За умов додаткового низькопотужного хронічного опромінення в лабораторних умовах протягом 10 поколінь установлено значні відмінності змін рівня і динаміки цього показника залежно від нагромадженої дози в популяціях дрозофіли з м. Нетішин (Хмельницька АЕС) і м. Магарач.

Ключові слова: мобільні елементи, гонадальний дисгенез**,** геномна нестабільність**,** динамічні ефекти хронічного опромінення.

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EFFECTS OF GENOMIC INSTABILITY IN POPULATIONS OF *DROSOPHILAE MELANOGASTER* FROM REGIONS OF UKRAINE WITH DIFFERENT RADIATION IMPACT FACTORS

Differences in the gonadal dysgenesis frequency as an indicator of the activation of mobile elements were revealed in F1-descendants of natural populations *of Drosophila melanogaster*, selected from regions of different radiation impact. Under conditions of additional low-rate chronic irradiation in laboratory conditions for 10 generations, significant differences in changes in the level and dynamics of this indicator were established depending on the accumulated dose of Drosophila populations from the city of Netishin (Khmelnytskyi NPP) and Magarach city.

Keywords: mobile elements, gonadal dysgenesis, genomic instability, dynamic effects of chronic exposure.

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