

Method for increasing soil biological activity during the cultivation of barley-pea mixture involves the application of a biostimulant based on insect frass extract, which is applied twice during the annual vegetation, specifically on the 30th and 60th days of the barley-pea mixture vegetation at a rate of 50 l/ha. To prepare the extract, dried insect frass from the mealworm (*Tenebrio molitor*) is used, which, on a dry matter basis, contains, %:

hemicellulose, dextrins	94-96
chitin	2.5-2.7
potassium (K)	0.5-0.7
ammonium nitrogen	0.4-0.6
phosphorus (P)	0.4-0.5
nitrate nitrogen	0.2-0.4
calcium (Ca)	0.1-0.3
sulfur (S)	0.03-0.06.