

**STUDY ON VARIATIONS OF POPULATION DENSITY AND DAMAGE OF SUNN PEST
(*EURYGASTER INTEGRICEPS* PUT) IN DRY RAIN- FED AREA OF KURDESTAN**

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Summary

The situation of sunn pest in estival and hibernal places was studied during 1986-1988. In 1987 and 1988, different infected fields on foothills abjacent to hibernal sites and far from foothells were selected and the variations of population density and crop losses were studied weekly from the advent of overwintered sunn pest till the harvest time.

In 1987 the overwintered sunn pests with $1.7/m^2$ density destroyed 37.8 buds and tillers with 1.5 kernel imbibed. When the density increased to $4.5/m^2$. The figures increased to 121.6 and 2.5 respectively.

In 1988 the overwintered sunns by $3/m^2$ density, 54 tillers and buds were destroyed and 4.3 kernels were imbibed while by $0.6/m^2$ density these bigures were 7 and 0/2 respectively. When the density of nymphae and new adults were $34.6/m^2$ and $3.2/m^2$, the infected grains weight were %19.78 and %1.34 of the total yield respectively.

Due to the different hosts of sunn pest in nature and in adjacent farm after insecticide application in farm the new migration if the sunn pests from host plant causes new infestation in such farms.

These processes clear that chemical application is not the only appropriate and complete measure for control of the pest.

For solving the problem irratically, chemical application must be avoided and this measure should be applied only on farms that damage of the pest is high.

References

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