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**EFFECT OF RICE FIELD PLOWING IN WINTER AND
RICE POST - HARVEST CLOVER CULTIVATION ON
REDUCTION OF HIBERNATED LARVAE OF *Chilo suppressalis* Walker
IN IRAN¹**

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SUMMARY

The long period experimentations in Guilan Province revealed that there is no significant difference in the reduction of the population density of hibernating larvae of *Ch. suppressalis* when :

—harvested rice fields are plowed during winter.

—harvested rice fields are plowed at the end of winter to prepare the land for new rice plantation.

—clover cultivation as a successive crop after rice.

For more details see the tables and figure in Farsi text prepared in both Farsi and English languages.

REFERENCES

ANONYMOUS, 1972 - Rice stemborer. Journal of Plant Protection

1 - Received for publication , July 21, 1986.

2 - Eng. Mohammad - Reza Moussavi , Plant Pests and Diseases Research Laboratory, P. O. Box 114, Varamin, Iran.

3 - Eng. Zakkariah karimian, Plant Pests and Diseases Research Laboratory, P. O. Box 133, Bandar - Anzali, Iran.

Organisation. No. 20.

- ANONYMOUS, 1980 - 83 - Reports of the rice planning commission.
Ministry of Agr., Iran.
- DAVANLU, H., 1980 - Report on studies about double cropping in rice fields, Rice Research Station. Amol, Iran (in Farsi).
- DEZFULIAN, A. and MOSTOWFIPOUR, P., 1973 - Rice stemborer. Journal of Plant Protection Organisation. No. 21, pp: 10 - 15 (in Farsi).
- MOUSSAVI, M. R., 1977 - Striped rice stemborer *Chilo suppressalis* in Guilan province. Paper presented to the 6th plant Medicine Congress of Iran, Uni. of Tehran (in Farsi).
- MOUSSAVI, M. R., 1979 - Bioecology of rice stemborer in Guilan. *Ent. Phytopath. Appl.* No. 2, Vol. 47 (in Farsi).
- MOUSSAVI, M. R., 1981 - Studies on effects of growing clover after rice on the population of rice stemborer. Plant Pests and diseases Res. Lab. of Guilan (Unpublished).
- OLOUMI - SADEGHI, H. & KHARRAZI - PAKDEL, A., 1977 - Ecological Res. on rice stemborer in north of Iran. Faculty of Agriculture, Karadj, (in Farsi).
- OLOUMI - SADEGHI, H. & KHARRAZI - PAKDEL, A., 1978 - Ecological researches on rice stemborer in north of Iran. Faculty of Agriculture, Karadj, Iran (in Farsi).
- PATHAK, M. D., 1969 - Insect pests of rice. The International Rice Research Institute. Philippines.
- PFADT, R. E., 1971 - Fundamentals of applied entomology. The Macmillan Book Company, New York.