BIOLOGY AND CONTROL OF BRUCHIDAE
OF STORED LEGUMES
(COLEOPTERA, BRUCHIDAE )

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INTRODUCTION

The present project has following three sections, concerning bruchids of stored legumes in the Chattisgarh region:

(A) Polymorphism
(B) Control
(C) Survey

SECTION A: POLYMORPHISM.

Polymorphism is a more common phenomenon among beetles than hitherto imagined (Rankin, 1978). During the last about 40 years sporadic communications have been appearing on polymorphism in Callosobruchus. This aspect of Callosobruchus species has been further investigated in the present study.

SECTION B: CONTROL.

Bruchids do immense damage to stored legumes/ pulses. Control of bruchids is still largely
an unsolved problem. As the substratum, on which these beetles live, constitutes human food, use of conventional insecticides is not feasible. Obvious alternatives are use of herbal insecticides and biocontrol methods. Use of edible oils and heat produced sterility method of control have been studied in the present project.

SECTION C : SURVEY

In order to make out if there is a pattern in the occurrence of stored legume bruchids a survey of the Chattisgarh region has been carried out. Results of such a survey have been included in the present communication.

REFERENCE :

Springer - Verlag, New York.