

6. Corn borer resistance.

Readings from corn borer hand infestation will be obtained this summer on the backcrosses involving translocation markers and borer reactions. Readings from hand infestation of the last two summers showed that the translocation stocks differed in their reaction to borer, some were resistant, others less resistant and others susceptible. A few preliminary readings on a few backcrosses to resistant and to susceptible parents were made last summer (seed for which was produced in Mexico and in the greenhouse at Calif. Tech.). The backcrosses to the resistant inbred lines did not appear to segregate while those backcrossed to the susceptible line did, suggesting some dominance of the resistance in these lines.

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