Section IV
Insects

Husk Fly

Walnut Husk Fly


Various types of walnut husk fly traps were compared in several walnut orchards. The standard Gylcine and Lye bait traps consistently caught more flies than the Frick traps. The one pint ice cream carton manufactured by Fonda and the one quart milk carton caught about the same number of flies. The one pint ice cream carton manufactured by Int. Liq. Cylindrical or SealRight consistently caught the least number of flies. The unlabeled white one quart milk carton and the Foremost one quart milk carton performed equally.

Other traps that look promising, possibly approaching the Gylcine and Lye Bait Pan, were the Zoecon A M Trap and a paper plate coated with Stickem using ammonium carbonate as an attractant. Staley's Protein Bait No. 7 was a very weak attractant.

A New U.C. Trap for Walnut Husk Fly, Rhagoletis completa Cresson

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The standard trap now in service was tested in 1975 against this new U.C. trap. The psychedelic trap, a pint-sized ice cream carton, replaced the Frick trap which was no longer available. Individual studies on ammonium carbonate traps go back to 1967. These tests included color acceptance and population density performance on the Frick trap, Jackson trap, tapered milk carton, Zoecon AM trap, psychedelic trap, U.C. (DBJ) trap and now (1975) a new U.C. trap. The U.C. (DBJ) trap gave the best performance but some problems arose on simplicity for mass production. This new version offers the needed simplicity of design, greater holding capacity of the ammonium carbonate, and improved performance (1975) over the presently used psychedelic trap. This should give walnut growers and pest management consultants a more accurate tool to determine economic levels and timing spray applications for walnut husk fly.