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CAPTURE OF MEDETERA JACULA Fl. (DOLICHOPODIDAE) AND OTHER DIPTERA BY COLOURED STICKY TRAPS ON WHEAT

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Dark-flesh-coloured sticky traps (15 x 20 cm) of laminated paper were placed on wheat in Tselinograd environs (North Kazakhstan) from 8.VI (young growth) to 14.VIII.1989 (ripeness of grain). Experiments were carried out on two fields with different kinds of spring crops: hard wheat Bezenchukskaya-139 and soft wheat Saratovskaya-29. There were 4 traps on each field at a height of plant tops. Traps renewed with 4 - 6 days intervals.

Every trap caught 531,4 dipterans (39,5% of all insects) at the whole period of observation. Thrips (33,7%), chrysomelids (flea beetles) (9,5%), aphids (7,6%) and other insects were captured also. The total number of Medetera jacula was 49,1 flies per trap, caught from 26,VI to 14.VIII. The most intensive trapping was at 1 - 19.VII (35 flies per trap), when the portion of M. jacula reached 24 - 29% of all Diptera. The catching of this species was some greater on the hard wheat (26,7 ♂ and 30,3 ♀) than on the soft wheat (14,5 ♂ and 26,7 ♀ per trap). This predatory fly as some other Medetera spp. may feed on aphids, mites, immature thrips (Rathman et al., 1988) and small Nematocera.

Keywords: Medetera jacula, Dolichopodidae, coloured traps, wheat, Kazakhstan, USSR
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