Preliminary Studies on Sources of Resistance in *Coffea arabica* L. to Coffee Leaf Miner, *Leucoptera caffeina* Washbourn

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SUMMARY

Fourteen *Coffea arabica* L. cultivars were evaluated for their resistance to coffee leaf miner, *Leucoptera caffeina* Washbourn (Lepidoptera: Lyonetiidae) in the lath-house at Jimma Agricultural Research Center, Ethiopia. Percentage leaf damage was significantly lower ($P < 0.05$) on cultivars 7454, Desu, Ababuna and Melko-CH2 than on 7440, Meoftu and 744. Number of eggs laid were significantly lower ($P < 0.01$) on 754, Melko-CH2, 74140, 7454, Gawe, Dessu, 7440 and 75227 than on Catimor J-21 and Catimor J-19. However, there was no significant difference ($P > 0.05$) in the number of larvae developed on leaves of coffee cultivars tested. The results of the present study indicated the existence of antixenosis resistance in *C. arabica* L. cultivars against *L. caffeina*. The result also suggests further evaluation of the promising cultivars in order to identify resistant cultivars which can be used as a component of IPM of *L. caffeina*.