Differential variation in host preference of *Aleyrodes proletella* (L) **on some cauliflower cultivars**



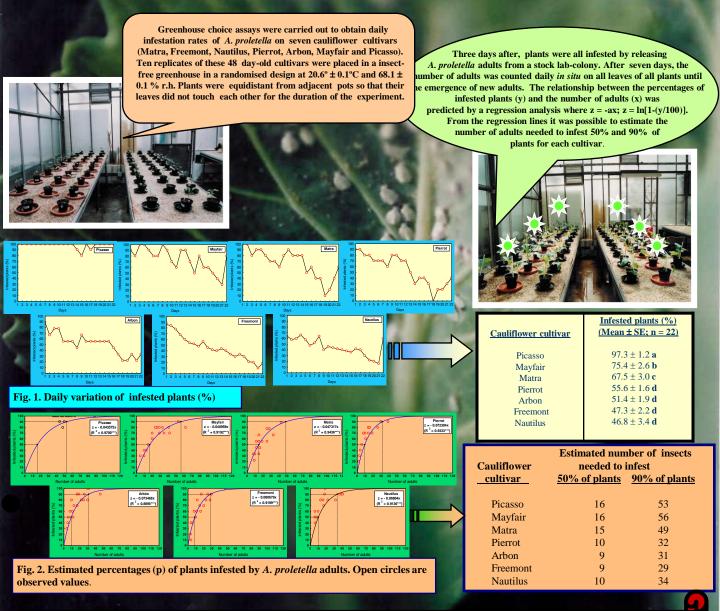
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The cabbage whitefly *Aleyrodes proletella* (L) has recently become a more serious pest within certain European brassicae crops. This study investigated the level of attractiveness of different cauliflower cultivars to this whitefly pest, aiming to identify varieties that could contain genes for controlling this whitefly in the future, useful for development of crop protection strategies.



Photo: E. Hernández & A. Carnero



These results suggest the importance of studies focused on plant-insect interactions on different cultivars of a certain crop, because of the variability of the insect-pests behaviour according to the plant characteristics. In our study, "Picasso" and "Nautilus" were the most and less attractive cauliflower cultivars, respectively, in terms of the percentage of infested plants. Moreover, further studies are needed aiming to identify useful genes for controlling this whitefly in brassicae plants in the future. A better understanding of the dynamics of insect–plant interactions may be useful and for coping with the threatening loss of biodiversity.

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