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Structure of the Stigma and Style in *Capsicum eximium* and the Effects of Pollination

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Ahmet Naci ONUS Department of Horticulture, Faculty of Agriculture, Akdeniz University, 07059 Antalya-TURKEY Abstract : Since the stigma surface provides the first point of contact for pollen grains, the initial pollen-pistil interaction takes place between these two structures. It is, therefore, important to understand the structure of the stigma, as well as the style, in order to reveal the nature of pollen-pistil interaction. The aim of this study was to gather more information about interactions between pollen and pistil in *Capsicum eximium* A.T.Hunz Solanaceae by studying immature, mature unpollinated and mature pollinated styles. It was found that most features of the stigma and style of *C. eximium* resembled those of other genera in the Solanaceae.

Key Words: *Capsicum eximium*, stigma, style, pollen-pistil interaction



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