

Title	Breeding of Rootstock in Cucumber
Number	TAGEM/BBAD/10/A09/P01/14
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Abstract:

C.maxima x C.moschata hybrids are widely used for Cucurbitaceae family to combat soil borne pathogens such as Fusarium, Verticillium. Hybrid rootstocks used for cucurbits are mostly of foreign origin. The objective of this study is to develop domestic rootstocks compatible with cucurbits. Breeding study for rootstock development has been initiated in Bati Akdeniz Agricultural Research Institute because rootstock seeds are expensive. The materials of Cucurbita maxima and Cucurbita moschata species were provided from foreign and domestic sources. By using the genotypes of C.maxima and C.moschata collected for the project in 2011 year. Inbreeding studies were performed to obtain pure lines in open field conditions. Inbreeding studies have been continued to an advanced generation. Hybridization studies of these pure lines were conducted and a commercial variety grafted onto hybrids for rootstock performance. Effects of variety/ rootstock combinations on yield and fruit quality will be evaluated.