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## A Study of Selected Isozymes in *Capsicum baccatum*, *Capsicum eximium*, *Capsicum cardenasii* and Two Interspecific F<sub>1</sub> Hybrids in *Capsicum* Species

Ahmet Naci ONUS Akdeniz University, Department of Horticulture, Faculty of Agriculture, 0759, Antalya-TURKEY Barbara PICKERSGILL The University of Reading, Department of Agricultural Botany School of Plant Sciences, Whiteknights, Reading, RG6 6AS, UK Abstract : Selected isozymes were investigated in plants of *Capsicum baccatum* L. ( Solanaceae) accessions SA219 (P.G.Smith), Hawkes 6489 (P.G.Smith), *Capsicum cardenasii* Heiser and Smith accession SA268 (P.G.Smith), *Capsicum eximium* A.T.Hunz accession Hawkes 3860 (J.G.Hawkes) and two interspecific F1 hybrids, *C. baccatum* SA219 x *C. eximium* Hawkes 3860 and *C. baccatum* Hawkes 6489 x *C. cardenasii* SA 268. The standard technique of horizontal gel electrophoresis was employed. The gel was cut into several slices and stained for different enzyme systems (aconitase, alanin aminopeptidase, esterase, glutamic oxaloacetic transaminase, glycerate-2-dehydrogenases, isocitrate dehydrogenase, malate dehydrogenase, peroxidase, phosphoglucomutase, phosphoglucose isomerases and shikimate dehydrogenases). After fixing the gel slices in 50% aqueous glycerol, the number and position of stained bands were recorded.

**Key Words:** *Capsicum baccatum*, *Capsicum eximium*, *Capsicum cardenasii*, isozymes, electrophoresis.

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