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Evaluation of Trickle Irrigation Systems for Some Vegetable Crops in Konya-Turkey[#]

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Abstract: This study was conducted to evaluate randomly selected 11 trickle irrigation systems, 4 in plastic greenhouses and 7 in open fields, for some vegetable plants at Konya province of Turkey. The present work covered mainly determinations of uniformity coefficient (UC), root lengths of vegetables, evaluation of working pressures of systems and also system components. The UC varied from 79.2% to 94.5%. The root length of processing tomato varied from 53cm to 58cm and 34cm to 38cm under field and greenhouse conditions, respectively. The working pressures varied between 0.6 and 0.9 atm. that were lower than the optimum working pressure of 1.0 atm.

Key Words: *Trickle irrigation, vegetables, uniformity coefficient, root length.*

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