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Contact

Ing. Markéta Knížková Executive Editor

Online First	S. Özmen, R. Kanber, P. Steduto, M. Ünlü, Y. Aydin, K. Diker
Article Archive	https://doi.org/10.17221/60/2014-SWR
SWR (13) 2018	, i i i i i i i i i i i i i i i i i i i
SWR (12) 2017	Citation: Özmen S., Kanber R., Steduto P., Ünlü M., Aydin Y., Diker K. (2015): Distribution of
SWR (11) 2016	water loss via evapotranspiration in a pistachio tree orchard under drip irrigation and non-
SWR (10) 2015	irrigation conditions. Soil & Water Res., 10: 56-63.
Issue No. 1 (1-63)	
Issue No. 2 (65-136)	
Issue No. 3 (137-205)	The present study aimed to measure the distribution of water loss via evapotranspiration
Issue No. 4 (207-283)	(E1) In a pistachio tree orchard under drip imgation and non-imgation conditions at the experimental orchard of the Pistachio Research Institute Gazianten Turkey. The
SM(D (0) 2014	experimental design consisted of a 10×10 m ² grid system constructed of PVC pipes spaced
SVVR (9) 2014	2 m apart (horizontally and vertically) that was placed around each tree for the drip
SVVR (8) 2013	rrigation condition (water applied every 7 days) and the non-irrigated condition. Moisture
SWR (7) 2012	content was measured using the neutron scattering method for both treatments. Water loss
SWR (6) 2011	 via ET was estimated based on the soil water balance method, which included measurement of coil moisture, precipitation, and irrigation. Total water large via ET under drip irrigation.
SWR (5) 2010	conditions was 518 mm vs 220 mm under non-irrigated conditions. Water loss via ET for the
SWR (4) 2009	total soil profile and individual layers under non-irrigated conditions was higher at the four
SWR (3) 2008	\sim outer corners of each 10 × 10 m ² grid than under irrigated conditions. Moreover, water loss
SWR (2) 2007	via ET was the highest at the grid system pipes closest to the two laterals under irrigation
SWR (1) 2006	 conditions. In addition, the total percentage of water loss via ET was the highest at the 60– 80-cm and 20–40-cm soil layers under drip irrigation and non-irrigation conditions,
Editorial Board	respectively, and the total percentage of water loss via ET was the lowest at the 40–60-cm and 0–20-cm soil layers under drip irrigation and non-irrigation conditions, respectively.
Ethical Standards	Lastly, it could be considered that root density increased as water loss via ET increased.
For Authors	
	drip irrigation; evapotranspiration; pistachio; root; water loss
Author Declaration	References:
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Submission Templates	Center of Turkey (IGEME). (In Turkish)
Copyright	Bilgen A.M. (1973): Pistachio. Ankara, Ministry of Agriculture, Food and Stockbreeding. (in Turkish)
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Fees	Derwish T. (1995): Implementation and Perspectives of Fertigation in Crop Production in Lebanon. Advanced Short Course on Fertigation. Beirut, FAO/RNE, CIHEAM/IAM-B,
Submission/Login	Leballese University. 207-220.
-	Goldhamer D.A. (1995): Irrigation Management, California Pistachio Industry, Annual Report
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Subscription	Goldhamer D.A., Kjelgren R.K., Beede R., Williams L., Moore J.M., Lane J., Weinberger G., Menezes J. (1985): Water Use Requirements of Pistachio Trees and Response to Water Stres. California Pistachio Industry, Annual Report 1984–1985. Fresno, California Pistachio Commission: 85–92.
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Distribution of water loss via evapotranspiration in a

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