

Turfgrass Evapotranspiration. I. Factors Influencing Rates in Temperate Environments¹

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Turfgrass evapotranspiration: Responses to shade preconditioning. <i>Irrigation Science</i> , 1985, 6, 265.	2.8	7
2	Resistance to water loss from warm and cool-season forage canopies in a growth chamber. <i>Agricultural and Forest Meteorology</i> , 1985, 34, 269-275.	4.8	6
4	Water use and water-use efficiency of perennial ryegrass swards as affected by the height and frequency of cutting and seed rate. <i>Grass and Forage Science</i> , 1988, 43, 97-104.	2.9	7
5	Water use by shrubs as affected by energy exchange with building walls. <i>Agricultural and Forest Meteorology</i> , 1989, 48, 345-357.	4.8	24
6	REDESIGNING THE URBAN FOREST FROM THE GROUND BELOW: A NEW APPROACH TO SPECIFYING ADEQUATE SOIL VOLUMES FOR STREET TREES. <i>Arboricultural Journal</i> , 1992, 16, 25-39.	0.8	25
7	Effects of Plant Growth Regulators on Tall Fescue Rooting and Water Use. <i>Journal of Turfgrass Management</i> , 1997, 2, 13-27.	0.1	23
8	Consumptive Use and Return Flows in Urban Lawn Water Use. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1997, 123, 62-69.	1.0	14
9	The influence of nitrogen and defoliation on production and water-use efficiency of <i>Lolium multiflorum</i> cv. Midmar. <i>African Journal of Range and Forage Science</i> , 1998, 15, 35-40.	1.4	1
10	Turfgrass Evapotranspiration. <i>The Journal of Crop Improvement: Innovations in Practice and Research</i> , 2000, 2, 317-333.	0.4	16
11	Trinexapac-ethyl effects on kentucky bluegrass evapotranspiration. <i>Crop Science</i> , 2001, 41, 247-250.	1.8	22
12	Penman Monteith Crop Coefficients for Use with Desert Turf Systems. <i>Crop Science</i> , 2001, 41, 1197-1206.	1.8	47
13	The effects of different irrigation levels applied in golf courses on some quality characteristics of turfgrass. <i>Irrigation Science</i> , 2003, 22, 87-93.	2.8	36
14	Evaluation of Microlysimeters Used in Turfgrass Evapotranspiration Studies Using the Dual-Probe Heat-Pulse Technique. <i>Agronomy Journal</i> , 2003, 95, 1625-1632.	1.8	28
15	Deficit Irrigation Effects on Water Use Characteristics of Bentgrass Species. <i>Crop Science</i> , 2006, 46, 1779-1786.	1.8	42
16	Minimum Water Requirements for Creeping, Colonial, and Velvet Bentgrasses under Fairway Conditions. <i>Crop Science</i> , 2006, 46, 81-89.	1.8	66
17	Fifty Years of Splendor in the Grass. <i>Crop Science</i> , 2006, 46, 2218-2229.	1.8	16
18	The Effect of Moderate Salinity on Nitrate Leaching from Bermudagrass Turf: A Lysimeter Study. <i>Water, Air, and Soil Pollution</i> , 2006, 175, 49-60.	2.4	26
19	Development and use of a variable-speed lateral boom irrigation system to define water requirements of 11 turfgrass genotypes under field conditions. <i>Australian Journal of Experimental Agriculture</i> , 2007, 47, 86.	1.0	12

#	ARTICLE	IF	CITATIONS
20	The most economical irrigation amount and evapotranspiration of the turfgrasses in Beijing City, China. <i>Agricultural Water Management</i> , 2007, 89, 98-104.	5.6	14
21	Impacts of Residential Development on Humid Subtropical Freshwater Resources: Southwest Florida Experience ¹ . <i>Journal of the American Water Resources Association</i> , 2007, 43, 1540-1549.	2.4	4
23	Residential Water Savings Associated with Satellite-Based ET Irrigation Controllers. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 74-82.	1.0	44
24	Prairie and Turfgrass Buffer Strips Modify Water Infiltration and Leachate Resulting from Impervious Surface Runoff. <i>Crop Science</i> , 2009, 49, 658-670.	1.8	12
25	Selecting for drought tolerance among Australian green couch grasses (<i>Cynodon</i> spp.). <i>Crop and Pasture Science</i> , 2009, 60, 1175.	1.5	24
26	Nitrogen Increases Evapotranspiration and Growth of a Warm-Season Turfgrass. <i>Agronomy Journal</i> , 2009, 101, 17-24.	1.8	25
27	Evaluation of an open portable chamber system for measuring cover crop water use in a vineyard and comparison with a mini-lysimeter approach. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1975-1982.	4.8	17
28	Seasonal contributions of vegetation types to suburban evapotranspiration. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	80
29	Water Use of St. Augustinegrass and Bahiagrass under Varying Nitrogen Rates. <i>Agronomy Journal</i> , 2011, 103, 100-106.	1.8	12
30	Net irrigation requirements for Florida turfgrasses. <i>Irrigation Science</i> , 2013, 31, 1213-1224.	2.8	14
31	Adding trees to irrigated turfgrass lawns may be a water-saving measure in semi-arid environments. <i>Ecohydrology</i> , 2014, 7, 1314-1330.	2.4	34
32	Supplemental Irrigation Requirements of Zoysiagrass and Bermudagrass Cultivars. <i>Crop Science</i> , 2014, 54, 1823-1831.	1.8	25
33	Physiological Behavior of Ethephon in Five Turfgrasses. <i>Crop Science</i> , 2014, 54, 1816-1822.	1.8	3
34	A comparative study of the water budgets of lawns under three management scenarios. <i>Urban Ecosystems</i> , 2014, 17, 1095-1117.	2.4	21
35	Turfgrass Water Use and Physiology. , 0, , 319-345.		0
36	Water Requirements and Irrigation. <i>Agronomy</i> , 2015, , 441-472.	0.2	20
37	Management of Turfgrass in Shade. , 2015, , 219-247.		6
38	Lawn to Lake: Lessons Learned from a Collaborative Natural Lawn Care Program. <i>Journal of Contemporary Water Research and Education</i> , 2015, 156, 56-67.	0.7	1

#	ARTICLE	IF	CITATIONS
39	Evaluation of Atmometers within Urban Home Lawn Microclimates. <i>Crop Science</i> , 2015, 55, 2359-2367.	1.8	4
40	Energy Conservation and Efficient Turfgrass Maintenance. <i>Agronomy</i> , 0, , 473-500.	0.2	5
41	Field Research. <i>Agronomy</i> , 2015, , 589-614.	0.2	0
42	Ecological Aspects of Turf Communities. <i>Agronomy</i> , 0, , 129-174.	0.2	23
43	Irrigation Science and Technology. , 2015, , 1075-1131.		19
44	Review of Turfgrass Evapotranspiration and Crop Coefficients. , 2015, , .		1
45	Automatic drip irrigation system using fuzzy logic and mobile technology. , 2015, , .		22
46	Physiological effects of temperature on turfgrass tolerance to amicarbazone. <i>Pest Management Science</i> , 2015, 71, 571-578.	3.4	9
47	Consumptive water use and crop coefficients for warm-season turfgrass species in the Southeastern United States. <i>Agricultural Water Management</i> , 2015, 156, 10-18.	5.6	34
48	Athletic Field Paint Color Impacts Transpiration and Canopy Temperature in Bermudagrass. <i>Crop Science</i> , 2016, 56, 2016-2025.	1.8	0
49	Crop Coefficients, Growth Rates and Quality of Cool-Season Turfgrasses. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 69-80.	3.5	15
50	Evapotranspiration of urban lawns in a semi-arid environment: An in situ evaluation of microclimatic conditions and watering recommendations. <i>Journal of Arid Environments</i> , 2016, 134, 87-96.	2.4	50
51	Screening different crested wheatgrass (<i>Agropyron cristatum</i> (L.) Gaertner.) accessions for drought stress tolerance. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 769-780.	2.6	17
52	Historical ETo-based irrigation scheduling for St. Augustinegrass Lawns in the South-Central United States. <i>Irrigation Science</i> , 2017, 35, 347-356.	2.8	9
53	Evapotranspiration of urban landscapes in Los Angeles, California at the municipal scale. <i>Water Resources Research</i> , 2017, 53, 4236-4252.	4.2	56
54	A Review of Warm-Season Turfgrass Evapotranspiration, Responses to Deficit Irrigation, and Drought Resistance. <i>Crop Science</i> , 2017, 57, S-98.	1.8	26
55	Enhanced Soil Moisture Assessment using Narrowband Reflectance Vegetation Indices in Creeping Bentgrass. <i>Crop Science</i> , 2017, 57, S-161.	1.8	8
56	Effects of Mowing Height of Cut and Nitrogen on FAO-56 PM Crop Coefficients for Recreational Turf in the Humid Region. <i>Crop Science</i> , 2017, 57, S-119.	1.8	4

#	ARTICLE	IF	CITATIONS
57	A comparative analysis of micrometeorological determinants of evapotranspiration rates within a heterogeneous urban environment. <i>Journal of Hydrology</i> , 2018, 562, 223-243.	5.4	29
58	Using Hyperspectral and Multispectral Indices to Detect Water Stress for an Urban Turfgrass System. <i>Agronomy</i> , 2019, 9, 439.	3.0	18
59	Willows for environmental projects: A literature review of results on evapotranspiration rate and its driving factors across the genus <i>Salix</i> . <i>Journal of Environmental Management</i> , 2019, 246, 526-537.	7.8	25
60	Shade Effects on Overseeded Bermudagrass Athletic Fields: I. Turfgrass Coverage and Growth Rate. <i>Crop Science</i> , 2019, 59, 2845-2855.	1.8	4
61	RGB Vegetation Indices, NDVI, and Biomass as Indicators to Evaluate C3 and C4 Turfgrass under Different Water Conditions. <i>Sustainability</i> , 2020, 12, 2160.	3.2	21
62	Estimates of energy partitioning, evapotranspiration, and net ecosystem exchange of CO ₂ for an urban lawn and a tallgrass prairie in the Denver metropolitan area under contrasting conditions. <i>Urban Ecosystems</i> , 2021, 24, 1201-1220.	2.4	7
63	Gene expression differences for drought stress response in three cool-season turfgrasses. <i>Itsrsj</i> , 0, , .	0.3	1
64	Effects of combined shade and drought stress on turfgrass bermudagrasses. <i>Itsrsj</i> , 0, , .	0.3	4
65	Artificial lawns exhibit increased runoff and decreased water retention compared to living lawns following controlled rainfall experiments. <i>Urban Forestry and Urban Greening</i> , 2021, 63, 127232.	5.3	3
66	Improving Soil Moisture Assessment of Turfgrass Systems Utilizing Field Radiometry. <i>Agronomy</i> , 2021, 11, 1960.	3.0	3
67	Response of Hybrid Bermudagrass and Manilagrass to Soil Moisture Using Water-table Depth Gradient Tanks. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 1034-1040.	1.0	0
68	Irrigation Scheduling on Sand-Based Creeping Bentgrass: Evaluating Evapotranspiration Estimation, Capacitance Sensors, and Deficit Irrigation in the Upper Midwest. , 2006, 3, 1-14.		8
69	Growth and Quality Responses of Tall Fescue (<i>Festuca arundinacea</i> Schreb.) to Different Irrigation Levels and Nitrogen Rates. <i>Turkish Journal of Field Crops</i> , 2014, 19, 142.	0.8	4
70	Irrigation Level and Nitrogen Rate Affect Evapotranspiration and Quality of Perennial Ryegrass (<i>Lolium perenne</i>). <i>International Journal of Agriculture and Biology</i> , 2015, 17, 431-439.	0.4	6
71	Evapotranspiration and Leaf Extension Rates of 24 Well-watered, Turf-type <i>Cynodon</i> Genotypes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1992, 27, 986-988.	1.0	18
72	Comparing Turfgrass Cumulative Evapotranspiration Curves. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 732-734.	1.0	8
73	Seeding Month and Seed Soaking Affect Buffalograss Establishment. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993, 28, 902-903.	1.0	10
74	Physiological Changes Associated with Performance of Kentucky Bluegrass Cultivars during Summer Stress. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1996, 31, 1182-1186.	1.0	34

#	ARTICLE	IF	CITATIONS
75	Potential for the Improvement of Turf Quality in Crested Wheatgrass for Low-maintenance Conditions. Hortscience: A Publication of the American Society for Horticultural Science, 2007, 42, 1526-1529.	1.0	4
76	Growth and Evapotranspiration Response of Two Turfgrass Species to Nitrogen and Trinexapac-ethyl. Hortscience: A Publication of the American Society for Horticultural Science, 2009, 44, 2053-2057.	1.0	13
77	Nitrogen and Light Affect Water Use and Water Use Efficiency of Zoysiagrass Genotypes Differing in Canopy Structure. Hortscience: A Publication of the American Society for Horticultural Science, 2011, 46, 643-647.	1.0	8
78	Shade Stress and Management. Books in Soils, Plants, and the Environment, 2007, , 447-471.	0.1	3
80	Low-maintenance turfgrass potential of crested, thickspike and western wheatgrass germplasm. , 2018, 02, .		0
81	Effect of acute shade on canopy morphology and evapotranspiration rates of three turfgrasses. Itsrj, 0, , .	0.3	0
82	Evaluation of irrigation scheduling approaches within sandâ€capped turfgrass systems. Agronomy Journal, 0, , .	1.8	2
84	Effects of street orientation and tree species thermal comfort within urban canyons in a hot, dry climate. Ecological Informatics, 2022, 69, 101671.	5.2	27
85	Water Use of Landscape Plants Grown In An Arid Environment. Arboriculture and Urban Forestry, 1995, 21, 239-246.	0.6	3
86	Review of coolâ€season turfgrass water use and requirements: I. Evapotranspiration and responses to deficit irrigation. Crop Science, 2022, 62, 1661-1684.	1.8	12
87	Qualityâ€Based Field Research Indicates Fertilization Reduces Irrigation Requirements of Four Turfgrass Species. Itsrj, 2017, 13, 761-767.	0.3	3
88	Response of drought susceptible and resistant Kentucky bluegrass and tall fescue cultivars and mixtures to limited irrigation. Crop Science, 0, , .	1.8	0
90	The Effects of Different Irrigation Levels and Nitrogen Doses on Growth, Quality and Physiological Parameters of Warm-Season Turfgrasses. Tarim Bilimleri Dergisi, 0, , .	0.4	0
91	Evaluation of Crested Wheatgrass Managed as Turfgrass. , 2006, 3, 1-7.		6
92	Water Savings and Performance of â€KSUZ 0802â€™ Hybrid Zoysiagrass in Response to Irrigation Strategy. HortTechnology, 2023, 33, 203-214.	0.9	0
93	Effects of Shade Stress on Growth and Responsive Mechanisms of Bermudagrass (Cynodon dactylon) Tj ETQq1 1 0,784314 rgBT /Over	5.1	
94	Evapotranspiration of Residential Lawns Across the United States. Water Resources Research, 2023, 59, .	4.2	1
95	Mowing Height Effects on â€TifTufâ€™ Bermudagrass during Deficit Irrigation. Agronomy, 2024, 14, 628.	3.0	0