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Deficit irrigation as an on-farm strategy to maximize crop water productivity in dry areas

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603	Traditional and microirrigation with stochastic soil moisture. 2010 , 46,		35
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599	Partial rootzone irrigation increases water use efficiency, maintains yield and enhances economic profit of cotton in arid area. <i>Agricultural Water Management</i> , 2010 , 97, 1527-1533	5.9	29
598	Irrigation restriction effects on water use efficiency and osmotic adjustment in Aloe Vera plants (<i>Aloe barbadensis</i> Miller). <i>Agricultural Water Management</i> , 2010 , 97, 1564-1570	5.9	23
597	A global benchmark map of water productivity for rainfed and irrigated wheat. <i>Agricultural Water Management</i> , 2010 , 97, 1617-1627	5.9	70
596	Using AquaCrop to derive deficit irrigation schedules. <i>Agricultural Water Management</i> , 2010 , 98, 213-216	5.9	65
595	Modelling of root ABA synthesis, stomatal conductance, transpiration and potato production under water saving irrigation regimes. <i>Agricultural Water Management</i> , 2010 , 98, 425-439	5.9	24
594	Crop Yield and Water Requirement Relationships for Major Irrigated Crops in Southern Alberta. 2011 , 36, 159-170		26
593	Water and Sustainable Agriculture. 2011 , 1-94		7
592	Differences in water use efficiency among annual forages used by the dairy industry under optimum and deficit irrigation. <i>Agricultural Water Management</i> , 2011 , 98, 759-774	5.9	33

591	Review and quantitative assessment of ex situ household rainwater harvesting systems in Ethiopia. <i>Agricultural Water Management</i> , 2011 , 98, 1215-1227	5.9	33
590	Validation and testing of the AquaCrop model under full and deficit irrigated wheat production in Iran. <i>Agricultural Water Management</i> , 2011 , 100, 1-8	5.9	140
589	Drought Tolerance. 2011 , 249-296		87
588	Eficiência do uso da água das culturas do milho e do feijão-caupi sob sistemas de plantio exclusivo e consorciado no semiárido brasileiro. 2011 , 70, 715-721		19
587	Effect of different levels of water deficit on rapeseed (<i>Brassica napus</i> L.) crop. 2011 , 35, 672-684		13
586	Calibration and Testing of the FAO AquaCrop Model for Canola. 2011 , 103, 1610-1618		61
585	Effect of different drip irrigation regimes on sugar beet (<i>Beta vulgaris</i> L.) yield, quality and water use efficiency in Middle Anatolian, Turkey. 2011 , 29, 79-89		40
584	From rainfed agriculture to stress-avoidance irrigation: I. A generalized irrigation scheme with stochastic soil moisture. 2011 , 34, 263-271		46
583	From rainfed agriculture to stress-avoidance irrigation: II. Sustainability, crop yield, and profitability. 2011 , 34, 272-281		32
582	Yield and water use response of winter wheat to winter irrigation in the North China Plain. 2011 , 66, 104-113		16
581	UNRAVELLING CROP WATER PRODUCTIVITY OF TEF (<i>ERAGROSTIS</i> TEF (ZUCC.) TROTTER) THROUGH AQUACROP IN NORTHERN ETHIOPIA. 2012 , 48, 222-237		23
580	Effect of irrigation amount and water salinity on water consumption and water productivity of spring wheat in Northwest China. 2012 , 137, 78-88		63
579	Water and land productivities of wheat and food legumes with deficit supplemental irrigation in a Mediterranean environment. <i>Agricultural Water Management</i> , 2012 , 107, 94-103	5.9	34
578	Opencast mine restoration in a Mediterranean semi-arid environment: Failure of some common practices. 2012 , 42, 183-191		49
577	Improving Water Use Efficiency for Sustainable Agriculture. 2012 , 167-211		9
576	Integrating genomics and genetics to accelerate development of drought and salinity tolerant crops. 2012 , 271-286		1
575	Primed acclimation of cultivated peanut (<i>Arachis hypogaea</i> L.) through the use of deficit irrigation timed to crop developmental periods. <i>Agricultural Water Management</i> , 2012 , 113, 85-95	5.9	30
574	Tuber yield and irrigation water productivity in early potatoes as affected by irrigation regime. <i>Agricultural Water Management</i> , 2012 , 115, 276-284	5.9	42

573	Crop and stress coefficients in rainfed and deficit irrigation vineyards using sap flow techniques. 2012 , 30, 433-447		59
572	Water Conservation in Irrigated Agriculture: Trends and Challenges in the Face of Emerging Demands. 2012 ,		31
571	Evaluation of Crop Models for Simulating and Optimizing Deficit Irrigation Systems in Arid and Semi-arid Countries Under Climate Variability. 2012 , 26, 997-1014		43
570	Assessment of the Irrigation Advisory Services Recommendations and Farmers Irrigation Management: A Case Study in Southern Spain. 2012 , 26, 2397-2419		29
569	Impact of sustained deficit irrigation on spearmint (<i>Mentha spicata</i> L.) biomass production, oil yield, and oil quality. 2012 , 30, 213-219		14
568	Combining the simulation crop model AquaCrop with an economic model for the optimization of irrigation management at farm level. 2012 , 36, 21-31		126
567	Determination of water consumption and the water-saving potential of three mulching methods in a jujube orchard. 2012 , 43, 87-95		53
566	The morphological and physiological responses of perennial ryegrass (<i>Lolium perenne</i> L.), cocksfoot (<i>Dactylis glomerata</i> L.) and tall fescue (<i>Festuca arundinacea</i> Schreb.; syn. <i>Schedonorus phoenix</i> Scop.) to variable water availability. 2012 , 67, 507-518		29
565	Modelling economic impacts of deficit irrigated maize in Brazil with consideration of different rainfall regimes. 2013 , 116, 97-110		7
564	Transient soil salinity under the combined effect of reclaimed water and regulated deficit drip irrigation of Mandarin trees. <i>Agricultural Water Management</i> , 2013 , 120, 23-29	5.9	50
563	Energy audit of irrigation networks. 2013 , 115, 89-101		22
562	Wheat yield response to line source sprinkler irrigation and soil management practices on medium-textured shallow soils of arid environment. 2013 , 31, 1185-1197		23
561	Assessing water stress in a hedgerow olive orchard from sap flow and trunk diameter measurements. 2013 , 31, 729-746		31
560	Adoption of site-specific variable rate sprinkler irrigation systems. 2013 , 31, 871-887		74
559	Probability Analysis of Crop Water Stress Index: An Application of Double Bounded Density Function (DB-CDF). 2013 , 27, 3791-3802		2
558	Crop Water Productivity of Irrigated Teff in a Water Stressed Region. 2013 , 27, 3115-3125		22
557	Evaluation of the AquaCrop model for simulating the impact of water deficits and different irrigation regimes on the biomass and yield of winter wheat grown on China's Loess Plateau. <i>Agricultural Water Management</i> , 2013 , 129, 95-104	5.9	44
556	Soil and irrigation sustainability practices. <i>Agricultural Water Management</i> , 2013 , 120, 1-4	5.9	25

555	Soil water and its management. 2013 , 269-322		2
554	Remote sensing and hydrological measurement based irrigation performance assessments in the upper Amu Darya Delta, Central Asia. 2013 , 61-62, 52-62		22
553	Osmolyte accumulation, photosynthetic pigment and growth of <i>Setaria italica</i> (L.) P. Beauv. under drought stress. 2013 , 2, 220-224		10
552	Strategies to Improve Cereal Production in the Terai Region (Nepal) during Dry Season: Simulations With Aquacrop. 2013 , 19, 767-775		12
551	Mango (<i>Mangifera indica</i> L. cv. Nam Dokmai) production in Northern Thailand Costs and returns under extreme weather conditions and different irrigation treatments. <i>Agricultural Water Management</i> , 2013 , 126, 46-55	5.9	13
550	Effect of water scarcity and modernisation on the performance of irrigation districts in south-eastern Spain. <i>Agricultural Water Management</i> , 2013 , 124, 11-19	5.9	66
549	Optimizing Deficit Irrigation Scheduling Under Shallow Groundwater Conditions in Lower Reaches of Amu Darya River Basin. 2013 , 27, 3165-3178		36
548	Cereal yield stabilization in Terai (Nepal) by water and soil fertility management modeling. <i>Agricultural Water Management</i> , 2013 , 122, 53-62	5.9	43
547	Adaptation of Potato to Water Shortage: Irrigation Management and Enhancement of Tolerance to Drought and Salinity. 2013 , 90, 186-206		46
546	A public-private partnership experience in the management of an irrigation scheme using decision-support tools in Burkina Faso. <i>Agricultural Water Management</i> , 2013 , 116, 1-11	5.9	11
545	Distinguishing water conservation from water savings in the western USA. 2013 , 11, 269-276		3
544	Actual Crop Evapotranspiration and Alfalfa- and Grass-Reference Crop Coefficients of Maize under Full and Limited Irrigation and Rainfed Conditions. 2013 , 139, 433-446		56
543	The trajectory towards basin closure of a European river: Guadalquivir. 2013 , 11, 111-119		33
542	Probabilistic description of crop development and irrigation water requirements with stochastic rainfall. 2013 , 49, 1466-1482		20
541	Real-time drought forecasting system for irrigation management. 2014 , 18, 3353-3366		26
540	Crop Water Productivity of Sugarbeet as Affected by Tillage. 2014 , 106, 2280-2286		10
539	Water and nutrient productivity in melon crop by fertigation under subsurface drip irrigation and mulching in contrasting soils. 2014 , 44, 25-30		1
538	Response of durum wheat varieties to water in semi-arid Algeria. 2014 , 9, 2880-2893		3

537	Indicadores de eficiência do uso da água e de nutrientes de clones de palma forrageira em condições de sequeiro no Sertão brasileiro. 2014 , 73, 184-191		23
536	Estimation of yield and dry matter of rapeseed using logistic model under water salinity and deficit irrigation. 2014 , 60, 951-969		7
535	Water productivity and water footprint: misguided concepts or useful tools in water management and policy?. 2014 , 39, 1000-1017		22
534	Command-scale integrated water management in response to spatial climate variability in Lower Bari Doab Canal irrigation system. 2014 , 16, 374-396		8
533	Effects of deficit irrigation on tomato and eggplant and their infection with the root-knot nematode under controlled environmental conditions. 2014 , 60, 1091-1102		4
532	Evaluation of water use and yield responses of drip-irrigated sugar beet with different irrigation techniques. 2014 , 74, 302-310		14
531	What about keeping plants well watered?. 2014 , 99, 38-42		22
530	Effects of deficit irrigation strategies on soil salinization and sodification in a semiarid drip-irrigated peach orchard. <i>Agricultural Water Management</i> , 2014 , 142, 1-9	5.9	29
529	Performance of mungbean under deficit irrigation application in the semi-arid highlands of Ethiopia. <i>Agricultural Water Management</i> , 2014 , 136, 68-74	5.9	7
528	Effect of post veraison regulated deficit irrigation in production and berry quality of Autumn Royal and Crimson table grape cultivars. <i>Agricultural Water Management</i> , 2014 , 134, 73-83	5.9	41
527	Assessing the cost-effectiveness of irrigation water management practices in water stressed agricultural catchments: The case of Pinios. <i>Agricultural Water Management</i> , 2014 , 139, 31-42	5.9	33
526	Evaluation of the FAO AquaCrop model for winter wheat on the North China Plain under deficit irrigation from field experiment to regional yield simulation. <i>Agricultural Water Management</i> , 2014 , 135, 61-72	5.9	109
525	Partitioning evapotranspiration, yield prediction and economic returns of maize under various irrigation management strategies. <i>Agricultural Water Management</i> , 2014 , 135, 27-39	5.9	81
524	Forecasting deficit irrigation adoption using a mixed stakeholder assessment methodology. 2014 , 83, 183-193		28
523	A Short Overview of Measures for Securing Water Resources for Irrigated Crop Production. 2014 , 200, 333-343		26
522	Effect of Deficit Irrigation on Yield, Quality, and Costs of the Production of Native Spearmint. 2014 , 140, 05014002		7
521	Adoption of irrigation water policies to guarantee water supply: A choice experiment. 2014 , 44, 226-236		52
520	Responses of morphology and drought tolerance of <i>Sedum lineare</i> to watering regime in green roof system: A root perspective. 2014 , 13, 682-688		14

519	A crop planning and real-time irrigation method based on site-specific management zones and linear programming. 2014 , 107, 20-28		22
518	Effect of drip irrigation and fertilizer regimes on fruit yields and water productivity of a pomegranate (<i>Punica granatum</i> (L.) cv. Rabab) orchard. <i>Agricultural Water Management</i> , 2014 , 146, 45-56 ^{5.9}	5.9	34
517	Quinoa's Potential in the Mediterranean Region. 2014 , 200, 344-360		38
516	Conventional and simplified canopy temperature indices predict water stress in sunflower. <i>Agricultural Water Management</i> , 2014 , 144, 69-80	5.9	48
515	Optimal Crop Water Allocation in Case of Drought Occurrence, Imposing Deficit Irrigation with Proportional Cutback Constraint. 2014 , 28, 3207-3225		21
514	Water limitations on potato yield in Estonia assessed by crop modelling. 2014 , 194, 20-28		16
513	Improving Water Productivity of Wheat-Based Cropping Systems in South Asia for Sustained Productivity. 2014 , 157-258		59
512	Modeling irrigation behavior in groundwater systems. 2014 , 50, 6370-6389		51
511	Fruit yield and quality response of a late season peach orchard to different irrigation regimes in a semi-arid environment. <i>Agricultural Water Management</i> , 2014 , 143, 102-112	5.9	19
510	A proposed method to determine yield response factors of different crops under deficit irrigation using inverse formulation approach. <i>Agricultural Water Management</i> , 2014 , 137, 68-74	5.9	9
509	Crop load regulation and irrigation strategies to accelerate the recovery of previously water-stressed Japanese plum trees. <i>Agricultural Water Management</i> , 2014 , 132, 23-29	5.9	4
508	Response of potato to full and deficit irrigation under semiarid climate: Agronomic and economic implications. <i>Agricultural Water Management</i> , 2014 , 142, 144-151	5.9	20
507	Central and South America. 1499-1566		2
506	Rural Areas. 613-658		5
505	Maize Breeding in the United States: Views from Within Monsanto. 2015 , 199-282		1
504	Equitable Canal Water Allocation. 2015 ,		1
503	Quantifying Corn Yield and Water Use Efficiency under Growth StageBased Deficit Irrigation Conditions. 2015 , 1-24		3
502	Assessing the Design of A Model-Based Irrigation Advisory Bulletin: The Importance of End-User Participation. 2015 , 64, 228-240		6

501	Response of Maize Growth and Yield to Different Water and Nitrogen Schemes on Very Coarse Sandy Loam Soil Under Sprinkler Irrigation in the Semi-Arid Region of China. 2015 , 64, 619-636	6
500	Water Use and Grain Yield in Drought-Tolerant Corn in the Texas High Plains. 2015 , 107, 1922-1930	34
499	Yield of cotton cultivars under different irrigation depths in the Brazilian semi-arid region. 2015 , 19, 748-754	11
498	Processing Snap Bean Variety Responses to Applied Nitrogen and Irrigation in the North Central United States. 2015 , 107, 1401-1410	1
497	Green and blue water footprint reduction in irrigated agriculture: effect of irrigation techniques, irrigation strategies and mulching. 2015 , 19, 4877-4891	130
496	Impact of Sowing Date on Yield and Water Use Efficiency of Wheat Analyzed through Spatial Modeling and FORMOSAT-2 Images. 2015 , 7, 5951-5979	41
495	Modeling for Best Management of the Effects of Irrigation Frequencies, Initial Water, and Nitrogen on Corn. 2015 , 25-52	2
494	Deficit irrigation in grapevine cv. Syrah during two growing seasons in the brazilian semiarid. 2015 , 35, 430-441	3
493	Effect of Super Absorbent Polymer and Irrigation Deficit on Water Use Efficiency, Growth and Yield of Cotton. 2015 , 7, 338-344	9
492	Selecting crop models for decision making in wheat insurance. 2015 , 68, 97-116	22
491	Organo mineral fertilizer can mitigate water stress for cucumber production (Cucumis sativus L.). <i>Agricultural Water Management</i> , 2015 , 159, 1-10	5.9 30
490	Interannual Variation in Long-Term Center Pivot-Irrigated Maize Evapotranspiration and Various Water Productivity Response Indices. II: Irrigation Water Use Efficiency, Crop WUE, Evapotranspiration WUE, Irrigation-Evapotranspiration Use Efficiency, and Precipitation Use Efficiency. 2015 , 111, 910-1019	12
489	Scheduling Reduced Irrigation on Atlantic Potato for Minimal Effect. 2015 , 92, 673-683	11
488	Water management for cucumber: Greenhouse experiment in Saudi Arabia and modeling study using SALTMED model. 2015 , 70, 1-11	16
487	Responses to the Irrigation Water Amount of Spinach Supplemented with Organic Amendment in Greenhouse Conditions. 2015 , 46, 327-342	13
486	Optimal Crop Water Allocation Based on Constraint-State Method and Nonnormal Stochastic Variable. 2015 , 29, 1003-1018	12
485	Improving water use efficiency of vineyards in semi-arid regions. A review. 2015 , 35, 499-517	133
484	Water-Yield Relations and Water Use Efficiency of Maize Under Nitrogen Fertigation for Semiarid Environments: Experiment and Synthesis. 2015 , 175-229	29

483	Mulching increases water-use efficiency of peach production on the rainfed semiarid Loess Plateau of China. <i>Agricultural Water Management</i> , 2015 , 154, 20-28	5.9	33
482	Monitoring surface water content using visible and short-wave infrared SPOT-5 data of wheat plots in irrigated semi-arid regions. 2015 , 36, 4018-4036		24
481	Simulation of crop and water productivity for rice (<i>Oryza sativa</i> L.) using APSIM under diverse agro-climatic conditions and water management techniques in Sri Lanka. <i>Agricultural Water Management</i> , 2015 , 160, 132-143	5.9	37
480	Effect of deficit irrigation and different saline groundwater depths on yield and water productivity of quinoa. <i>Agricultural Water Management</i> , 2015 , 159, 225-238	5.9	17
479	From leaf to whole-plant water use efficiency (WUE) in complex canopies: Limitations of leaf WUE as a selection target. 2015 , 3, 220-228		237
478	Cumulative deficit irrigation effects on corn biomass and grain yield under two tillage systems. <i>Agricultural Water Management</i> , 2015 , 159, 107-114	5.9	12
477	Soil water extraction, water use, and grain yield by drought-tolerant maize on the Texas High Plains. <i>Agricultural Water Management</i> , 2015 , 155, 11-21	5.9	54
476	Growth and yield promoting effect of artificial mycorrhization on field tomato at different irrigation regimes. 2015 , 187, 35-43		39
475	GRAIN YIELD PERFORMANCE OF UPLAND AND LOWLAND RICE VARIETIES UNDER WATER SAVING IRRIGATION THROUGH ALTERNATE WETTING AND DRYING IN SANDY CLAY LOAMS OF SOUTHERN MALAWI. 2015 , 51, 313-326		10
474	Deficit irrigation and sustainable water-resource strategies in agriculture for China's food security. 2015 , 66, 2253-69		157
473	Effect of deficit irrigation and growing seasons on plant water status, fruit yield and water use efficiency of squash under saline soil. 2015 , 186, 89-100		44
472	Water productivity and food security: considering more carefully the farm-level perspective. 2015 , 7, 247-260		11
471	Effect of irrigation and tree density on vegetative growth, oil yield and water use efficiency in young olive orchard under arid conditions in Mendoza, Argentina. 2015 , 33, 429-440		23
470	Climate change impact on water resources and crop production in Armenia. <i>Agricultural Water Management</i> , 2015 , 161, 86-101	5.9	10
469	Ecohydrological modeling in agroecosystems: Examples and challenges. 2015 , 51, 5081-5099		32
468	Crop water productivity and economic evaluation of drip-irrigated soybeans (<i>Glycine max</i> L. Merr.). 2015 , 4,		9
467	Effect of Deficit Irrigation on the Growth, Water Use Characteristics and Yield of Cotton in Arid Northwest China. 2015 , 25, 910-924		42
466	Evaluation of soil chemical properties irrigated with recycled wastewater under partial root-zone drying irrigation for sustainable tomato production. <i>Agricultural Water Management</i> , 2015 , 161, 127-135 ^{5.9}	5.9	22

465	Adapting Water Allocation to Irrigation Demands to Constraints in Water Availability Imposed by Climate Change. 2015 , 29, 1413-1430		10
464	Soil salinization as a threat to the sustainability of deficit irrigation under present and expected climate change scenarios. 2015 , 33, 67-79		41
463	Current irrigation practices in the central United States reduce drought and extreme heat impacts for maize and soybean, but not for wheat. 2015 , 508, 331-42		45
462	Validating FAO AquaCrop using Landsat images and regional crop information. <i>Agricultural Water Management</i> , 2015 , 149, 143-155	5.9	19
461	Multi-dimensional critical regulation control modes and water optimal allocation for irrigation system in the middle reaches of Heihe River basin, China. 2015 , 76, 166-177		16
460	Integrated assessment of water-energy-CHG emissions tradeoffs in an irrigated lucerne production system in eastern Australia. 2015 , 103, 491-498		13
459	Ecohydrology of agroecosystems: quantitative approaches towards sustainable irrigation. 2015 , 77, 298-318		11
458	Evaluating water depths for high water productivity in irrigated lowland rice field by employing alternate wetting and drying technique under tropical climate conditions, Southern Taiwan. 2015 , 13, 379-389		13
457	Developing and normalizing average corn crop water production functions across years and locations using a system model. <i>Agricultural Water Management</i> , 2015 , 157, 65-77	5.9	26
456	Response of Corn for Silage to Water in a Semi-Arid Environment. 2016 ,		
455	Spring Safflower Performance under Growth Stage Based Irrigation in the Southern High Plains. 2016 , 56, 1878-1889		20
454	Barley Grain Yield and Protein Content Response to Deficit Irrigation and Sowing Dates in Semi-Arid Region. 2016 , 10, 193		1
453	Apple Tree Responses to Deficit Irrigation Combined with Periodic Applications of Particle Film or Abscisic Acid. 2016 , 2, 16		7
452	Quinoa for Marginal Environments: Toward Future Food and Nutritional Security in MENA and Central Asia Regions. 2016 , 7, 346		62
451	An overview of available crop growth and yield models for studies and assessments in agriculture. 2016 , 96, 709-14		51
450	Daily irrigation attenuates xylem abscisic acid concentration and increases leaf water potential of <i>Pelargonium hortorum</i> compared with infrequent irrigation. 2016 , 158, 23-33		18
449	Irrigation water productivity is more influenced by agronomic practice factors than by climatic factors in Hexi Corridor, Northwest China. 2016 , 6, 37971		27
448	Water Use Efficiency on Cabbage and Cauliflower Treated with a New Biostimulant Composition. 2016 , 10, 475-484		6

447	Assessment of vegetation water content in wheat using near and shortwave infrared SPOT-5 Data in an irrigated area. 2016 , 29, 97-107		1
446	Changes in gas exchange capacity and selected physiological properties of squash seedlings (<i>Cucurbita pepo</i> L.) under well-watered and drought stress conditions. 2016 , 62, 1700-1710		16
445	Nested Validation of Aquacrop Model for Simulation of Winter Wheat Grain Yield, Soil Moisture and Salinity Profiles under Simultaneous Salinity and Water Stress. 2016 , 65, 112-128		10
444	Growth of spring camelina (<i>Camelina sativa</i>) under deficit irrigation in Western Nebraska. 2016 , 83, 118-123		22
443	Effects of irrigation strategies, planting methods and nitrogen fertilization on yield, water and nitrogen efficiencies of safflower. <i>Agricultural Water Management</i> , 2016 , 172, 18-30	5.9	33
442	Improving water resources management using different irrigation strategies and water qualities: Field and modelling study. <i>Agricultural Water Management</i> , 2016 , 176, 40-54	5.9	22
441	Effect of growth stage based irrigation on soil water extraction and water use efficiency of spring safflower cultivars. <i>Agricultural Water Management</i> , 2016 , 177, 432-439	5.9	17
440	Estimating maize water stress by standard deviation of canopy temperature in thermal imagery. <i>Agricultural Water Management</i> , 2016 , 177, 400-409	5.9	37
439	Climate Change and Agriculture: Adaptation Strategies and Mitigation Opportunities for Food Security in South Asia and Latin America. 2016 , 137, 127-235		64
438	A framework to use crop models for multi-objective constrained optimization of irrigation strategies. 2016 , 86, 145-157		14
437	Crop kites: Determining crop-water production functions using crop coefficients and sensitivity indices. 2016 , 97, 193-204		16
436	Climate Change vis-a-vis Saline Agriculture: Impact and Adaptation Strategies. 2016 , 5-53		11
435	Comparative performance of seed types on yield potential of peanut (<i>Arachis hypogaea</i> L.) under saline irrigation. 2016 , 196, 305-310		14
434	Rainwater harvesting for supplemental irrigation of onions in the southern dry lands of Ethiopia. <i>Agricultural Water Management</i> , 2016 , 178, 325-334	5.9	15
433	Complex water management in modern agriculture: Trends in the water-energy-food nexus over the High Plains Aquifer. 2016 , 566-567, 988-1001		68
432	Growth of spring canola (<i>Brassica napus</i>) under deficit irrigation in Western Nebraska. 2016 , 83, 635-640		13
431	Combined effect of foliar-applied salicylic acid and deficit irrigation on physiological-anatomical responses, and yield of squash plants under saline soil. 2016 , 106, 8-16		36
430	Evaluating climate adaptation strategies on agricultural production in the Siminehrud catchment and inflow into Lake Urmia, Iran using SWAT within an OECD framework. 2016 , 147, 98-110		24

429	Modeling the water-satisfied degree for production of the main food crops in China. 2016 , 547, 215-225		10
428	Yield and water use efficiency of furrow irrigated potato under regulated deficit irrigation, Atsibi-Wemberta, North Ethiopia. <i>Agricultural Water Management</i> , 2016 , 170, 133-139	5.9	27
427	Deficit irrigation in table grape: eco-physiological basis and potential use to save water and improve quality. 2016 , 28, 85-108		32
426	Effect of Various On-Farm Water Management Scenarios on Equity and Productivity in Irrigation Networks. 2016 , 30, 2405-2424		4
425	Effect of water deficit on the agronomical performance and quality of processing tomato. 2016 , 200, 55-65		39
424	An alternative approach to whole-farm deficit irrigation analysis: Evaluating the risk-efficiency of wheat irrigation strategies in sub-tropical Australia. <i>Agricultural Water Management</i> , 2016 , 169, 61-76	5.9	14
423	Resolving the Climate Change Crisis. 2016 ,		3
422	Water use efficiency in peach trees over a four-years experiment on the effects of irrigation and nitrogen application. <i>Agricultural Water Management</i> , 2016 , 164, 253-266	5.9	13
421	Performance assessment of AquaCrop model for estimating evapotranspiration, soil water content and grain yield of winter wheat in Tensift Al Haouz (Morocco): Application to irrigation management. <i>Agricultural Water Management</i> , 2016 , 163, 219-235	5.9	80
420	Impact assessment of agricultural driven stressors on benthic macroinvertebrates using simulated data. 2016 , 540, 32-42		16
419	Water supply and water allocation strategy in the arid US West: evidence from the Eastern Snake River Plain Aquifer. 2016 , 16, 893-906		4
418	Responses of yield and WUE of winter wheat to water stress during the past three decades: A case study in the North China Plain. <i>Agricultural Water Management</i> , 2017 , 179, 47-54	5.9	63
417	Yield and Dry Matter Simulation Using the Saltmed Model for Five Quinoa (<i>Chenopodium Quinoa</i>) Accessions Under Deficit Irrigation in South Morocco. 2017 , 66, 340-350		13
416	Effect of deficit irrigation on yield quantity and quality, water productivity and economic returns of four cultivars of hops in the Yakima Valley, Washington State. 2017 , 98, 82-92		13
415	Assessment of irrigated maize yield response to climate change scenarios in Portugal. <i>Agricultural Water Management</i> , 2017 , 184, 178-190	5.9	27
414	Assessing plant water status in a hedgerow olive orchard from thermography at plant level. <i>Agricultural Water Management</i> , 2017 , 188, 50-60	5.9	23
413	A satellite based crop water stress index for irrigation scheduling in sugarcane fields. <i>Agricultural Water Management</i> , 2017 , 189, 70-86	5.9	48
412	Representing water scarcity in future agricultural assessments. 2017 , 18, 15-26		13

411	Assessment of AquaCrop Model in Simulating Sugar Beet Canopy Cover, Biomass and Root Yield under Different Irrigation and Field Management Practices in Semi-Arid Regions of Pakistan. 2017 , 31, 4275-4292		12
410	Integrating growth stage deficit irrigation into a process based crop model. 2017 , 243, 84-92		31
409	Responses of water productivity to irrigation and N supply for hybrid maize seed production in an arid region of Northwest China. 2017 , 9, 504-514		16
408	Financial assessment of adopting irrigation technology for plant-based regulated deficit irrigation scheduling in super high-density olive orchards. <i>Agricultural Water Management</i> , 2017 , 187, 47-56	5.9	22
407	Yield, water and nitrogen use efficiencies of sprinkler irrigated wheat grown under different irrigation and nitrogen levels in an arid region. <i>Agricultural Water Management</i> , 2017 , 187, 232-245	5.9	37
406	Why Is Water Pricing Ineffective for Deficit Irrigation Schemes? A Case Study in Southern Spain. 2017 , 31, 1047-1059		25
405	Comparison of deficit irrigation management strategies on root, plant growth and biomass productivity of silage maize. <i>Agricultural Water Management</i> , 2017 , 182, 126-138	5.9	41
404	Assessment of climate change impact on crop yield and irrigation water requirement of two major cereal crops (rice and wheat) in Bhaktapur district, Nepal. 2017 , 8, 320-335		17
403	Effects of zeolite and water stress on growth, yield and chemical compositions of Aloe vera L.. <i>Agricultural Water Management</i> , 2017 , 181, 66-72	5.9	51
402	Water (stress) models and deficit irrigation: System-theoretical description and causality mapping. 2017 , 361, 135-156		18
401	Simulating response of wheat to timing and depth of irrigation water in drip irrigation system using CERES-Wheat model. 2017 , 214, 149-163		25
400	Identifying best crop management practices for chickpea (<i>Cicer arietinum</i> L.) in Northeastern Ethiopia under climate change condition. <i>Agricultural Water Management</i> , 2017 , 194, 68-77	5.9	13
399	MY SIRR: Minimalist agro-hydrological model for Sustainable IRRigation management Soil moisture and crop dynamics. 2017 , 6, 107-117		6
398	Effect of drip deficit irrigation and soil mulching on growth of common bean plant, water use efficiency and soil salinity. 2017 , 225, 235-242		18
397	Moringa leaf extract as biostimulant improves water use efficiency, physio-biochemical attributes of squash plants under deficit irrigation. <i>Agricultural Water Management</i> , 2017 , 193, 46-54	5.9	72
396	Comparison of traditional and modern deficit irrigation techniques in corn cultivation using treated municipal wastewater. 2017 , 6, 47-55		5
395	Combined deficit irrigation and soil fertility management on different soil textures to improve wheat yield in drought-prone Bangladesh. <i>Agricultural Water Management</i> , 2017 , 191, 124-137	5.9	27
394	Alfalfa forage production under solid-set sprinkler irrigation in a semiarid climate. <i>Agricultural Water Management</i> , 2017 , 191, 184-192	5.9	15

393	The water productivity score (WPS) at global and regional level: Methodology and first results from remote sensing measurements of wheat, rice and maize. 2017 , 575, 595-611		47
392	Spatio-temporal distribution of irrigation water productivity and its driving factors for cereal crops in Hexi Corridor, Northwest China. <i>Agricultural Water Management</i> , 2017 , 179, 55-63	5.9	29
391	Conjunctive Use of Surface Water and Groundwater Resources under Deficit Irrigation. 2017 , 143, 05016012		10
390	Combined effect of deficit irrigation and potassium fertilizer on physiological response, plant water status and yield of soybean in calcareous soil. 2017 , 63, 827-840		29
389	Assessing the Economic Implications of Reduced Water Availability and Better Management Practices on Representative Farms in Southern Alberta. 2017 , 65, 189-217		
388	Determining water requirements of biblical hyssop using an ET-based drip irrigation system. <i>Agricultural Water Management</i> , 2017 , 180, 107-117	5.9	8
387	A practical planning software program for desalination in agriculture - SPARE:WATERopt. 2017 , 404, 121-131		13
386	Evaluation of Water Schemes for Maize Under Arid area in Iran Using the SWAP Model. 2017 , 48, 1963-1976		3
385	Mapping and linking supply- and demand-side measures in climate-smart agriculture. A review. 2017 , 37, 1		40
384	Seaweed Extract Alleviates Drought Stress in by Affecting Photosynthetic Performance and Related Gene Expression. 2017 , 8, 1362		69
383	Maize Yield as a Function of Water Availability across Precipitation Years in the North China Plain. 2017 , 57, 2226-2237		3
382	Modeling of Soil Water Regime and Water Balance in a Transplanted Rice Field Experiment with Reduced Irrigation. 2017 , 9, 248		17
381	<i>Irrigation scheduling using real-time soil moisture data in corn production&/i>. 2017 ,		
380	Adaptation: An Agricultural Challenge. 2017 , 5, 56		9
379	Plant-Based Methods for Irrigation Scheduling of Woody Crops. 2017 , 3, 35		71
378	Stress Coefficients for Soil Water Balance Combined with Water Stress Indicators for Irrigation Scheduling of Woody Crops. 2017 , 3, 38		20
377	Application of the CSM CERES-Wheat Model for Yield Prediction and Planting Date Evaluation at Guanzhong Plain in Northwest China. 2017 , 109, 204-217		12
376	Behavior and water needs of sesame under different irrigation regimes: III. Production and hydric efficiency. 2017 , 12, 1158-1163		4

375	Impact of Irrigation Technologies and Strategies on Cotton Water Footprint Using AquaCrop and CROPWAT Models. 2018 , 5, 181-199		21
374	Optimizing yield and water use efficiency of furrow-irrigated potato under different depth of irrigation water levels. 2018 , 4, 1043-1049		5
373	Water use efficiency and evapotranspiration partitioning for three typical ecosystems in the Heihe River Basin, northwestern China. 2018 , 253-254, 261-273		49
372	The Other 70%: Agriculture, Horticulture and Recreation. 2018 , 177-198		
371	A hybrid TOPSIS-agent-based framework for reducing the water demand requested by stakeholders with considering the agents characteristics and optimization of cropping pattern. <i>Agricultural Water Management</i> , 2018 , 199, 71-85	5.9	17
370	Effects of Reusing Peanut Seeds Grown in Saline Irrigation Water on Yield Attributes and Quality Traits. 2018 , 144, 04018002		2
369	Adaptation of land management in the Mediterranean under scenarios of irrigation water use and availability. 2018 , 23, 821-837		27
368	Comparison of three crop water stress index models with sap flow measurements in maize. <i>Agricultural Water Management</i> , 2018 , 203, 366-375	5.9	28
367	Modeling soil water flow and quantification of root water extraction from different soil layers under multi-chemicals application in dry land field. <i>Agricultural Water Management</i> , 2018 , 203, 75-86	5.9	7
366	Deficit irrigation provokes more pronounced responses of maize photosynthesis and water productivity to elevated CO ₂ . <i>Agricultural Water Management</i> , 2018 , 195, 71-83	5.9	36
365	Global land-water nexus: Agricultural land and freshwater use embodied in worldwide supply chains. 2018 , 613-614, 931-943		63
364	Classifying multi-model wheat yield impact response surfaces showing sensitivity to temperature and precipitation change. 2018 , 159, 209-224		32
363	Deficit irrigation and emerging fruit crops as a strategy to save water in Mediterranean semiarid agrosystems. <i>Agricultural Water Management</i> , 2018 , 202, 311-324	5.9	69
362	Untangling the effects of shallow groundwater and deficit irrigation on irrigation water productivity in arid region: New conceptual model. 2018 , 619-620, 1170-1182		28
361	Economic viability of deficit irrigation in the Western US. <i>Agricultural Water Management</i> , 2018 , 196, 114-123	5.9	15
360	Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soil. <i>Agricultural Water Management</i> , 2018 , 196, 87-98	5.9	28
359	Design and Implementation of a Rainfed Matrix for Cotton. 2018 , 8, 193		3
358	Productivity, Technological Attributes and Water Use Efficiency of Sugarcane Cultivars Under Regulated Deficit Irrigation. 2018 , 10, 174		

- 357 Improving Water Use Efficiency under Deficit Irrigation in the Jordan Valley. **2018**, 10, 4317 13
- 356 Effect of abscisic acid on the calcium content for controlling blossom-end rot in tomato under water stress. **2018**, 48, 414-419 2
- 355 Agronobiotechnologies to Improve the Water Quality in Irrigation Systems. **2018**, 141-157
- 354 Deficitni princip namakanja vinske trte (*Vitis vinifera* L.) [pregled dosedanjih izkušnj in izhodiš za Slovenijo]. **2018**, 111, 699
- 353 The effects of water stress on yield performance of drip-irrigated pepper (*Capsicum annum* L. cv. Capya var. Yalova yalk 28) in the Central Anatolian region of Turkey. **2018**, 11, 1 1
- 352 An Integrated Water-Saving and Quality-Guarantee Uncertain Programming Approach for the Optimal Irrigation Scheduling of Seed Maize in Arid Regions. **2018**, 10, 908 6
- 351 Fertigation: Nutrition, Stimulation and Bioprotection of the Root in High Performance. **2018**, 7, 8
- 350 A Budyko-type model for human water consumption. **2018**, 567, 212-226 15
- 349 Evaluation of Silage Corn Yield Gap: An Approach for Sustainable Production in the Semi-Arid Region of USA. **2018**, 10, 2523 5
- 348 Phenotypical Responses of Cotton and Relation to Lint Yield Under Deficit Irrigation Schemes in Semi-Arid Environments. **2018**, 110, 1339-1353 1
- 347 Effect of variable crop duration on grain yield of irrigated spring-wheat when flowering is synchronised. **2018**, 228, 183-194 6
- 346 Growth-Stage-Based Irrigation Management on Biomass, Yield, and Yield Attributes of Spring Canola in the Southern Great Plains. **2018**, 58, 2623-2632 4
- 345 Effect of summer-fall deficit irrigation on morpho-physiological, anatomical responses, fruit yield and water use efficiency of cucumber under salt affected soil. **2018**, 237, 148-155 20
- 344 Promoting Competitive Water Resource Use Efficiency at the Water-Market Scale: An Intercooperative Demand Equilibrium-Based Approach to Water Trading. **2018**, 54, 5394-5421 14
- 343 A simulation of winter wheat crop responses to irrigation management using CERES-Wheat model in the North China Plain. **2018**, 17, 1181-1193 15
- 342 Canal Irrigation Versus Well Irrigation: Comparing the Uncomparable. **2018**, 173-191
- 341 Real-time irrigation: Cost-effectiveness and benefits for water use and productivity of strawberries. **2018**, 240, 468-477 9
- 340 Irrigation of Pistachios. **2018**, 247-269 2

339	Mathematical-Economic Analysis to Determine Optimal Applied Water in Case of Crop Price Depends on Its Quality. 2018 , 12, 191-202		2
338	Effects of deficit irrigation on essential oil composition and yield of fennel (<i>Foeniculum vulgare</i> Mill) in a high-altitude environment. 2018 , 30, 457-463		2
337	Prediction of Consumptive Use Under Different Soil Moisture Content and Soil Salinity Conditions Using Artificial Neural Network Models. 2018 , 67, 615-624		6
336	Cropping System Diversification: Water Consumption against Crop Production. 2018 , 10, 2164		2
335	Simulation of Crop Growth and Water-Saving Irrigation Scenarios for Lettuce: A Monsoon-Climate Case Study in Kampong Chhnang, Cambodia. 2018 , 10, 666		3
334	Water Use and Rice Productivity for Irrigation Management Alternatives in Tanzania. 2018 , 10, 1018		12
333	Role of exogenous nitrogen supply in alleviating the deficit irrigation stress in wheat plants. <i>Agricultural Water Management</i> , 2018 , 210, 261-270	5.9	45
332	Adaptation in Agriculture. 2018 ,		
331	Scoping of promising land management and water use practices in the dry areas of Uzbekistan. <i>Agricultural Water Management</i> , 2018 , 207, 15-25	5.9	4
330	Simulating Crop-Water Production Functions Using Crop Growth Models to Support Water Policy Assessments. 2018 , 152, 9-21		31
329	Why India Needs Large Water Resource Projects Involving Interbasin Water Transfers. 2018 , 49-63		
328	Modeling Sugar Beet Response to Different Combinations of On-Farm Water Management Practices Under Semi-arid Sub-tropical Environment. 2019 , 21, 122-134		2
327	Optimizing irrigation water levels to improve yield and water use efficiency of vegetables: case study of tomato. 2019 , 5, 737-742		3
326	Optimizing irrigation and nitrogen requirements for maize through empirical modeling in semi-arid environment. 2019 , 26, 1227-1237		25
325	Quantitative analysis of climate change impact on Zhangye City's economy based on the perspective of surface runoff. 2019 , 105, 645-654		4
324	Effects of the combined application of biomaterial amendments and polyacrylamide on soil water and maize growth under deficit irrigation. 2019 , 99, 182-194		1
323	Does water-saving irrigation improve the quality of fruits and vegetables? Evidence from meta-analysis. 2019 , 37, 669-690		10
322	Overcoming Obstacles to Deficit Irrigation: Colorado Case Study. 2019 , 145, 05019014		1

321	Plot level assessment of irrigation water savings due to the shift from sprinkler to localized irrigation systems or to the use of soil hydric status probes. Application in the French context. <i>Agricultural Water Management</i> , 2019 , 223, 105682	5.9	4
320	Effects of deficit irrigation on photosynthesis, photosynthate allocation, and water use efficiency of sugar beet. <i>Agricultural Water Management</i> , 2019 , 223, 105701	5.9	5
319	Optimal genotype × environment × management as a strategy to increase grain maize productivity and water use efficiency in water-limited environments and rising temperature. 2019 , 107, 105570		8
318	Response of saffron (<i>Crocus sativus</i> L.) to irrigation water salinity, irrigation regime and planting method: Physiological growth and gas exchange. 2019 , 257, 108714		7
317	Effect of Drought, Nitrogen Fertilization, Temperature, and Photoperiodicity on Quinoa Plant Growth and Development in the Sahel. 2019 , 9, 607		9
316	Status of accuracy in remotely sensed and in-situ agricultural water productivity estimates: A review. 2019 , 234, 111413		23
315	Identifying the most promising agronomic adaptation strategies for the tomato growing systems in Southern Italy via simulation modeling. 2019 , 111, 125937		11
314	Effect of Deficit Irrigation on the Productive Response of Drip-irrigated Onion (<i>Allium cepa</i> L.) in Mediterranean Conditions. 2019 , 88, 488-498		11
313	An Economic and Biophysical Model of Deficit Irrigation. 2019 , 111, 3182-3193		5
312	Regulated Deficit Irrigation as a Water-Saving Strategy for Onion Cultivation in Mediterranean Conditions. 2019 , 9, 521		12
311	Application of zeolite and bacterial fertilizers modulates physiological performance and essential oil production in dragonhead under different irrigation regimes. 2019 , 41, 1		7
310	A Precision Irrigation Model Using Hybrid Automata. 2019 , 62, 1639-1650		0
309	In silico design of crop ideotypes under a wide range of water availability. 2019 , 8, e167		1
308	Effects of deficit irrigation and kaolin application on vegetative growth and fruit traits of two early ripening apple cultivars. 2019 , 52, 43		11
307	Effects of partial root-zone drying and deficit irrigation on yield, irrigation water-use efficiency and some potato (<i>Solanum tuberosum</i> L.) quality traits under glasshouse conditions. <i>Agricultural Water Management</i> , 2019 , 224, 105745	5.9	14
306	. 2019 ,		
305	Impact of sum-of-hourly and daily timesteps in the computations of reference evapotranspiration across the Brazilian territory. <i>Agricultural Water Management</i> , 2019 , 226, 105785	5.9	8
304	Irrigation Optimization Under a Limited Water Supply by the Integration of Modern Approaches into Traditional Water Management on the Cotton Fields. 2019 , 11, 2127		2

303	Irrigation water saving during pomegranate flowering and fruit set period do not affect Wonderful and Mollar de Elche cultivars yield and fruit composition. <i>Agricultural Water Management</i> , 2019 , 226, 105781	5.9	12
302	Sweet corn growth and GrainYield as influenced by irrigation and wheat residue management. <i>Agricultural Water Management</i> , 2019 , 224, 105748	5.9	12
301	Deficit irrigation in tomato: Agronomical and physio-biochemical implications. 2019 , 248, 256-264		24
300	Is Irrigating Soybean Profitable In Uruguay? A Modeling Approach. 2019 , 111, 749-763		3
299	Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. 2019 , 393, 447-492		2664
298	Effects of delayed irrigation during the jointing stage on the photosynthetic characteristics and yield of winter wheat under different planting patterns. <i>Agricultural Water Management</i> , 2019 , 221, 371-376	5.9	15
297	Analysis of the competitiveness of wheat and orange in Tunisia under water shortage scenarios. 2019 , 12, 1		0
296	Simulating Soil Water Content, Evapotranspiration, and Yield of Variably Irrigated Grain Sorghum Using AquaCrop. 2019 , 55, 976-993		3
295	Determination of optimum irrigation and effect of deficit irrigation strategies on yield and disease rate of peanut irrigated with drip system in Eastern Mediterranean. <i>Agricultural Water Management</i> , 2019 , 221, 211-219	5.9	8
294	Examining irrigation productivity in U.S. agriculture using a single-factor approach. 2019 , 51, 125-136		5
293	Benchmarking nutritional water productivity of twenty vegetables - A review. <i>Agricultural Water Management</i> , 2019 , 221, 248-259	5.9	9
292	Common bean seeds from plants subjected to severe drought, restricted- and full-irrigation regimes show differential phytochemical fingerprint. 2019 , 294, 368-377		9
291	Water Productivity Evaluation under Multi-GCM Projections of Climate Change in Oases of the Heihe River Basin, Northwest China. 2019 , 16,		7
290	Modelling the Impact on Root Water Uptake and Solute Return Flow of Different Drip Irrigation Regimes with Brackish Water. 2019 , 11, 425		8
289	Optimizing cropping area by proposing a combined water-energy productivity function for Neyshabur Basin, Iran. <i>Agricultural Water Management</i> , 2019 , 217, 131-140	5.9	6
288	Effect of Salicylic acid foliar spraying on growth parameters, Epyrones, phenolic content and radical scavenging activity of drought stressed Ammi visnaga L. plant. 2019 , 134, 1-10		14
287	Do Fertilizers and Irrigation Disruption Change Some Physiological Traits of Safflower?. 2019 , 38, 1439-1448		1
286	Mapping Maize Water Stress Based on UAV Multispectral Remote Sensing. 2019 , 11, 605		51

285	Stochastic multi-objective decision making for sustainable irrigation in a changing environment. 2019 , 223, 928-945		33
284	How do AMF-inoculation and supplemental irrigation affect the productivity of rainfed yellow sweet clover in agrisilviculture systems?. 2019 , 65, 2043-2058		3
283	The role of soil hydraulic properties in crop water use efficiency: A process-based analysis for some Brazilian scenarios. 2019 , 173, 364-377		13
282	Saffron response to irrigation regime, salinity and planting method. 2019 , 251, 215-224		16
281	Optimal Water Allocation under Deficit Irrigation in the Context of Colorado Water Law. 2019 , 145, 05019003	6	
280	Water-Use Efficiency Under Changing Climatic Conditions. 2019 , 111-180		12
279	Field scale recalibration of the sap flow thermal dissipation method in a Mediterranean vineyard. 2019 , 269-270, 169-179		6
278	Deficit Irrigation as a Sustainable Practice in Improving Irrigation Water Use Efficiency in Cauliflower under Mediterranean Conditions. 2019 , 9, 732		6
277	Analysis of deficit irrigation strategies by using SUBSTOR-Potato model in a semi-arid area. 2019 , 157, 578-591		3
276	. 2019 ,		
275	Response of Maize Yield Components to Growth Stage-Based Deficit Irrigation. 2019 , 111, 3244-3252		13
274	Effects of Deficit Irrigation on Yield and Oil Content of Sesame, Safflower, and Sunflower. 2019 , 111, 3091-3098		2
273	Deficit Irrigation in Mediterranean Fruit Trees and Grapevines: Water Stress Indicators and Crop Responses. 2019 ,		9
272	Performance of small-scale irrigation schemes in Lake Tana Basin of Ethiopia: technical and socio-political attributes. 2019 , 40, 227-251		8
271	Yield response of seedless watermelon to different drip irrigation strategies under Mediterranean conditions. <i>Agricultural Water Management</i> , 2019 , 212, 99-110	5.9	20
270	Biotope conservation in a Mediterranean agricultural land by incorporating crop modelling. 2019 , 392, 52-66		5
269	Evaluation of Different Irrigation Treatments with Saline Water in a Future Climate in Tunisia. 2019 , 68, 281-296		1
268	Physiological basis for controlling water consumption by two snap beans genotypes using different anti-transpirants. <i>Agricultural Water Management</i> , 2019 , 214, 17-27	5.9	7

267	Yield response to regulated deficit irrigation of greenhouse cherry tomatoes. <i>Agricultural Water Management</i> , 2019 , 213, 212-221	5.9	24
266	Fruit nutritional quality under deficit irrigation: the case of table grapes in California. 2019 , 99, 2215-2225		2
265	Effect of Irrigation Depth Reduction, Planting Date and Cropping Pattern on Water Productivity in West Lake Urmia, Iran. 2019 , 68, 191-204		2
264	Effects of deficit irrigation with saline water on soil water-salt distribution and water use efficiency of maize for seed production in arid Northwest China. <i>Agricultural Water Management</i> , 2019 , 212, 424-432 ^{5.9}	5.9	41
263	Application of Cadastre Maps, Agricultural Database and MODIS Satellite Images for Monitoring Cultivated Areas. 2019 , 43, 179-192		2
262	Water productivity under strategic growth stage-based deficit irrigation in maize. <i>Agricultural Water Management</i> , 2019 , 212, 433-440	5.9	71
261	More food with less water [Optimizing agricultural water use. 2019 , 123, 256-261		6
260	Broadcast woody biochar provides limited benefits to deficit irrigation maize in Colorado. 2019 , 269, 71-81		25
259	Impact of Deficit Irrigation on Yield and Fruit Quality of Orange Trees (<i>Citrus Sinensis</i> , L. Osbeck, CV. Meski Maltaise) in Southern Tunisia. 2020 , 69, 186-193		8
258	Variable water cycles have a greater impact on wheat growth and soil nitrogen response than constant watering. 2020 , 290, 110146		9
257	A meta-analysis of global crop water productivity of three leading world crops (wheat, corn, and rice) in the irrigated areas over three decades. 2020 , 13, 939-975		18
256	Controlled deficit irrigation as a water-saving strategy for processing tomato. 2020 , 261, 108972		6
255	Soil water extraction and use by winter wheat cultivars under limited irrigation in a semi-arid environment. 2020 , 174, 104046		7
254	State-based open-loop control of plant growth by means of water stress training. <i>Agricultural Water Management</i> , 2020 , 230, 105963	5.9	0
253	Effects of CO2 fertilization on tomato fruit quality under reduced irrigation. <i>Agricultural Water Management</i> , 2020 , 230, 105985	5.9	9
252	Response of black cumin (<i>Nigella sativa</i> L.) to deficit irrigation in a semi-arid region: Growth, yield, quality, and water productivity. 2020 , 144, 112048		7
251	Effects of deficit irrigation on the yield and irrigation water use efficiency of drip-irrigated sweet pepper (<i>Capsicum annuum</i> L.) under Mediterranean conditions. 2020 , 38, 89-104		15
250	Direct root-zone irrigation outperforms surface drip irrigation for grape yield and crop water use efficiency while restricting root growth. <i>Agricultural Water Management</i> , 2020 , 231, 105993	5.9	17

249	Caring local biodiversity in a healing garden: Therapeutic benefits in young subjects with autism. 2020 , 47, 126511		5
248	Functional response of garlic to optimized regulated deficit irrigation (ORDI) across crop stages and years: Is physiological performance impaired at the most sensitive stages to water deficit?. <i>Agricultural Water Management</i> , 2020 , 228, 105886	5.9	5
247	Options for improving water productivity: A case study of bambara groundnut and groundnut. 2020 , 115, 102806		1
246	Calibration and evaluation of aquacrop for groundnut (<i>Arachis hypogaea</i>) under water deficit conditions. 2020 , 281, 107850		12
245	Maize Hybrid Response to Sustained Moderate Drought Stress Reveals Clues for Improved Management. 2020 , 10, 1374		2
244	Calibration and validation of the AquaCrop model for full and deficit irrigated cowpea (<i>Vigna unguiculata</i> (L.) Walp). 2020 , 124, 102941		4
243	Satellite-Based Monitoring of Irrigation Water Use: Assessing Measurement Errors and Their Implications for Agricultural Water Management Policy. 2020 , 56, e2020WR028378		24
242	Double-Double Row Planting Mode at Deficit Irrigation Regime Increases Winter Wheat Yield and Water Use Efficiency in North China Plain. 2020 , 10, 1315		6
241	A Simple Light-Use-Efficiency Model to Estimate Wheat Yield in the Semi-Arid Areas. 2020 , 10, 1524		2
240	Effects of Deficit Irrigation, Rootstock, and Roasting on the Contents of Fatty Acids, Phytosterols, and Phytosterols in Pistachio Kernels. 2020 , 68, 8915-8924		10
239	Relationship between stable carbon isotope discrimination and water use efficiency under deficit drip irrigation of kiwifruit in the humid areas of South China. <i>Agricultural Water Management</i> , 2020 , 240, 106300	5.9	7
238	Grain yield, quality, and spectral characteristics of wheat grown under varied nitrogen and irrigation. 2020 , 3, e20104		8
237	Evaluation of Deficit Irrigation and Water Quality on Production and Water Productivity of Tomato in Greenhouse. 2020 , 10, 297		6
236	How Moderate Water Stress Can Affect Water Use Efficiency Indices in Potato. 2020 , 10, 1034		5
235	Estimating crop model parameters for simulating soybean production in Iran conditions. 2020 , 27, 58		2
234	Modification of CSM-CROPGRO-Cotton model for simulating cotton growth and yield under various deficit irrigation strategies. 2020 , 179, 105843		4
233	Implementing Sustainable Irrigation in Water-Scarce Regions under the Impact of Climate Change. 2020 , 10, 1120		36
232	Semantic Segmentation of Sentinel-2 Imagery for Mapping Irrigation Center Pivots. 2020 , 12, 3937		5

231	Pearl Millet Forage Water Use Efficiency. 2020 , 10, 1672		1
230	Evaluating Land Suitability and Potential Climate Change Impacts on Alfalfa (<i>Medicago sativa</i>) Production in Ethiopia. 2020 , 11, 1124		5
229	Impacts of variable irrigation regimes on cotton yield and fiber quality. 2020 , 5, e20031		2
228	Agronomic performance of irrigated quinoa in desert areas: Comparing different approaches for early assessment of salinity stress. <i>Agricultural Water Management</i> , 2020 , 240, 106205	5-9	7
227	Optimization of irrigation and nitrogen fertilizer management for spring maize in northwestern China using RZWQM2. <i>Agricultural Water Management</i> , 2020 , 240, 106276	5-9	8
226	New strategies to overcome water limitation in cultivated maize: Results from sub-surface irrigation and silicon fertilization. 2020 , 263, 110398		7
225	Salt Distribution and Potato Response to Irrigation Regimes under Varying Mulching Materials. 2020 , 9,		3
224	Irrigation frequency transiently alters whole plant gas exchange, water and hormone status, but irrigation volume determines cumulative growth in two herbaceous crops. 2020 , 176, 104101		6
223	Evaluating Supplementary Water Methodology with Saturated Soil Irrigation for Yield and Water Productivity Improvement in Semi-Arid Rainfed Rice System, Burkina Faso. 2020 , 12, 4819		
222	Robust strategies for climate change adaptation in the agricultural sector under deep climate uncertainty. 2020 , 34, 755-774		5
221	Effect of Alternate Furrow Irrigation on Maize Productivity in Interaction with Different Irrigation Regimes and Biochar Amendment. 2020 , 51, 757-768		7
220	Water use indicators and economic analysis for on-farm irrigation decision: A case study of a super high density olive tree orchard. <i>Agricultural Water Management</i> , 2020 , 237, 106074	5-9	117
219	Improving the crop productivity in rainfed areas with water harvesting structures and deficit irrigation strategies. 2020 , 586, 124818		18
218	Criteria for HydroSOS Quality Index. Application to Extra Virgin Olive Oil and Processed Table Olives. 2020 , 12, 555		3
217	Performance Assessment of Thermal Infrared Cameras of Different Resolutions to Estimate Tree Water Status from Two Cherry Cultivars: An Alternative to Midday Stem Water Potential and Stomatal Conductance. 2020 , 20,		6
216	Exogenously applied proline enhances growth and productivity of drought stressed onion by improving photosynthetic efficiency, water use efficiency and up-regulating osmoprotectants. 2020 , 272, 109580		24
215	Growth, water productivity, nutritive value, and physiology responses of silage corn to water stress. 2020 , 112, 1625-1635		1
214	Designing on-farm irrigation ponds for high and stable yield for different climates and risk-coping attitudes. 2020 , 584, 124634		9

213	Tree Water Status in Apple Orchards Measured by Means of Land Surface Temperature and Vegetation Index (LST&NDVI) Trapezoidal Space Derived from Landsat 8 Satellite Images. 2020 , 12, 70		7
212	Corn production under restricted irrigation in the Texas High Plains. 2020 , 112, 1190-1200		4
211	Physiological characteristics and irrigation water productivity of quinoa (<i>Chenopodium quinoa</i> Willd.) in response to deficit irrigation imposed at different growing stagesA field study from Southern Iran. 2020 , 206, 390-404		8
210	Impacts of climate change on the evaporation and availability of water in small reservoirs in the Brazilian savannah. 2020 , 159, 215-232		14
209	Spatial variability quantification of maize water consumption based on Google EEflux tool. <i>Agricultural Water Management</i> , 2020 , 232, 106037	5.9	8
208	Performance Evaluation of Sesame under Regulated Deficit Irrigation Application in the Low Land of Western Gondar, Ethiopia. 2020 , 2020, 1-9		1
207	Agriculture's Historic Twin-Challenge Toward Sustainable Water Use and Food Supply for All. 2020 , 4,		11
206	Water use efficiency and public goods conservation: A spatial stochastic frontier model applied to irrigation in Southern Italy. 2021 , 73, 100856		10
205	Impact of maize hybrid selection on water productivity under deficit irrigation in semiarid western Nebraska. <i>Agricultural Water Management</i> , 2021 , 244, 106610	5.9	3
204	Evaluation of crop water stress index and leaf water potential for differentially irrigated quinoa with surface and subsurface drip systems. 2021 , 39, 81-100		5
203	Does the replacement of chemical fertilizer nitrogen by manure benefit water use efficiency of winter wheat & summer maize systems?. <i>Agricultural Water Management</i> , 2021 , 243, 106428	5.9	12
202	Impact of deficit irrigation strategies on winter wheat in semi-arid climate of sindh. <i>Agricultural Water Management</i> , 2021 , 243, 106389	5.9	11
201	Nano-fertilizers improved drought tolerance in wheat under deficit irrigation. <i>Agricultural Water Management</i> , 2021 , 244, 106544	5.9	21
200	Modified water-nitrogen productivity function based on response of water sensitive index to nitrogen for hybrid maize under drip fertigation. <i>Agricultural Water Management</i> , 2021 , 245, 106566	5.9	5
199	Water status, biochemical and hormonal changes involved in the response of <i>Olea europaea</i> L. to water deficit induced by partial root-zone drying irrigation (PRD). 2021 , 276, 109737		2
198	Deficit irrigation drives maize root distribution and soil microbial communities with implications for soil carbon dynamics. 2021 , 85, 412-422		3
197	Irrigation water resources management under uncertainty: An interval nonlinear double-sided fuzzy chance-constrained programming approach. <i>Agricultural Water Management</i> , 2021 , 245, 106658	5.9	4
196	Essential dryland ecosystem variables. 2021 , 48, 68-76		1

195	Tweaking Pakistani Punjab rice-wheat management to maximize productivity within nitrate leaching limits. 2021 , 260, 107964	3
194	Effect of Deficit Irrigation and Reduced N Fertilization on Plant Growth, Root Morphology and Water Use Efficiency of Tomato Grown in Soilless Culture. 2021 , 11, 228	6
193	Influence of kaolin application on most important fruit and leaf characteristics of two apple cultivars under sustained deficit irrigation. 2021 , 54, 1	5
192	Effect of Drip Irrigation on Soil Water Balance and Water Use Efficiency of Maize in Northwest China. 2021 , 13, 217	2
191	 2021 ,	
190	Effect of Soil Water Deficits on Plant-Water Relationship: A Review. 2021 , 1-98	
189	Effect of Irrigation Water Salinity and Deficit Irrigation on Soil Ions Variation and Uptake by Saffron (<i>Crocus sativus</i> L.) Under Two Planting Methods. 1	1
188	Water and Radiation Use Efficiencies by <i>Erythrina velutina</i> and <i>Enterolobium contortisiliquum</i> Under Different Water Conditions. 2021 , 28,	
187	Measure for raising crop water productivity in South Asia and Sub-Saharan Africa. 2021 , 157-196	0
186	Effects of Soil Water Deficit at Different Growth Stages on Maize Growth, Yield, and Water Use Efficiency under Alternate Partial Root-Zone Irrigation. 2021 , 13, 148	5
185	Requirements for Sustainable Irrigated Agriculture. 2021 , 11, 306	2
184	Evaluation of SEBS, METRIC-EEFlux, and QWaterModel Actual Evapotranspiration for a Mediterranean Cropping System in Southern Italy. 2021 , 11, 345	6
183	Comparison of Growth Responses in Sorghum Genotypes and Corn Grown in Arid Regions Under Different Levels of Water and Nitrogen Supplies. 2021 , 73,	
182	Actual transpiration and canopy resistance in a Mediterranean vineyard irrigated with saline water. 2021 , 39, 469-481	1
181	Irrigation Management in Potato (<i>Solanum tuberosum</i> L.) Production: A Review. 2021 , 13, 1504	12
180	Enhancing Water Productivity Through On-Farm Water Management. 2021 , 109-124	0
179	Photosynthetic resistance and resilience under drought, flooding and rewatering in maize plants. 2021 , 148, 1-15	5
178	Optimization of deficit irrigation and nitrogen fertilizer management for peanut production in an arid region. 2021 , 11, 5456	6

177	Water scarcity and adoption of water-saving irrigation technologies in groundwater over-exploited areas in the North China Plain. 2021 , 39, 397-408		1
176	Partial Root Zone Drying Irrigation Improves Water Use Efficiency but Compromise the Yield and Quality of Cotton Crop. 2021 , 52, 1558-1573		3
175	High-Resolution Monitoring and Assessment of Evapotranspiration and Gross Primary Production Using Remote Sensing in a Typical Arid Region. 2021 , 10, 396		2
174	Soil and Irrigation Water Management: Farmer's Practice, Insight, and Major Constraints in Upper Blue Nile Basin, Ethiopia. 2021 , 11, 383		0
173	Yield and water productivity response of quinoa to various deficit irrigation regimes applied with surface and subsurface drip systems. 1-12		
172	Water use efficiency, growth and anatomic-physiological parameters of Mediterranean xerophytes as affected by substrate and irrigation on a green roof. 2021 , 49, 12283		3
171	The Comparison of DSSAT-CERES and AquaCrop Models for Wheat Under Water-Nitrogen Interactions. 2021 , 52, 2002-2017		1
170	Co-composted Poultry Litter Biochar Enhanced Soil Quality and Eggplant Productivity Under Different Irrigation Regimes. 2021 , 21, 1917-1933		13
169	Simulated efficient growth-stage-based deficit irrigation strategies for maximizing cotton yield, crop water productivity and net returns. <i>Agricultural Water Management</i> , 2021 , 250, 106840	5.9	4
168	Optimizing irrigation to reduce N leaching and maintain high crop productivity through the manipulation of soil water storage under summer monsoon climate. 2021 , 265, 108110		8
167	Water productivity in maize, at different levels of deficit irrigation in humid climate. 2021 , 25,		1
166	Magnolia and Viburnum Plant Factors at Different Growing Seasons and Allowed Depletion Levels in a Monsoonal Climate. 2021 , 13, 1744		
165	Impact of soil moisture on common bean (<i>Phaseolus vulgaris</i> L.) phytochemicals. 2021 , 99, 103883		2
164	Robust climate change adaptation pathways in agricultural water management. <i>Agricultural Water Management</i> , 2021 , 252, 106904	5.9	3
163	Evaluating Soil Water Redistribution under Mobile Drip Irrigation, Low-Elevation Spray Application, and Low-Energy Precision Application Using HYDRUS. 2021 , 147, 04021016		1
162	Soil water dynamics over 12 seasons on irrigated dry bean-potato-wheat-sugar beet rotations. 2021 , 101, 177-191		
161	Water productivity and net profit of high-density olive orchards in San Juan, Argentina. <i>Agricultural Water Management</i> , 2021 , 252, 106878	5.9	4
160	A Comparative Analysis of Root Growth Modules in HYDRUS for SWC of Rice under Deficit Drip Irrigation. 2021 , 13, 1892		1

159	Synergistic and antagonistic interactions of soil water potential and osmotic potential linked to nitrogen fertilization on spinach traits and water use efficiency. 1-24		
158	Assessment of Water Cloud Model based on SAR and optical satellite data for surface soil moisture retrievals over agricultural area. 2021 , 10, 243-250		
157	Deficit Irrigation Strategies on Tree Physiological and Chemical Properties: Treatment Effects, Prediction Based Model Analyses and Inter-Correlations. 2021 , 11, 1361		0
156	Deficit Irrigation Using Saline Water of Fruit Trees under Water Scarcity Conditions of Southern Tunisia. 2021 , 12, 864		0
155	Evaluating Irrigation Performance and Water Productivity Using EEFlux ET and NDVI. 2021 , 13, 7967		3
154	Economic and Environmental Sustainability of Olive Production: A Case Study. 2021 , 11, 1753		3
153	Nutritional Management Improved Sesame Performance and Soil Properties: a Function-Based Study on Sesame as Affected by Deficit Irrigation, Water Superabsorbent, and Salicylic Acid. 1		0
152	Irrigation management in poplar (<i>Populus spp.</i>) plantations: A review. 2021 , 494, 119330		7
151	Effects of Different Irrigation Management Practices on Potato (<i>Solanum tuberosum L.</i>). 2021 , 13, 10187		0
150	Deficit irrigation as a sustainable option for improving water productivity in Sub-Saharan Africa: the case of Ethiopia. A critical review.		3
149	Assessment of small holder farmers garlic (<i>Allium sativum L.</i>) production practices under irrigated farming system in the Highlands of Ethiopia. 2021 , 17, 1172-1179		2
148	Optimal coupling combinations between dripper discharge and irrigation interval of maize for seed production under plastic film-mulched drip irrigation in an arid region. 1		1
147	Improvement of water saving and economic productivity based on quotation with sugar content of sugar beet using linear move sprinkler irrigation. <i>Agricultural Water Management</i> , 2021 , 255, 106989	5.9	5
146	Estimating the Leaf Water Status and Grain Yield of Wheat under Different Irrigation Regimes Using Optimized Two- and Three-Band Hyperspectral Indices and Multivariate Regression Models. 2021 , 13, 2666		4
145	Socio-Economic Indexes for Water Use in Irrigation in a Representative Basin of the Tropical Semiarid Region. 2021 , 13, 2643		4
144	Irrigation-Water Management and Productivity of Cotton: A Review. 2021 , 13, 10070		0
143	Inter-relationships between water depletion and temperature differential in row crop canopies in a sub-humid climate. <i>Agricultural Water Management</i> , 2021 , 256, 107061	5.9	2
142	Assessing the effects of precipitation and irrigation on winter wheat yield and water productivity in North China Plain. <i>Agricultural Water Management</i> , 2021 , 256, 107063	5.9	3

141	Additions of optimum water, spent mushroom compost and wood biochar to improve the growth performance of <i>Althaea rosea</i> in drought-prone coal-mined spoils. 2021 , 295, 113076		13
140	Improved management may alleviate some but not all of the adverse effects of climate change on crop yields in smallholder farms in West Africa. 2021 , 308-309, 108563		0
139	Sustainable high grain yield, nitrogen use efficiency and water productivity can be achieved in wheat-maize rotation system by changing irrigation and fertilization strategy. <i>Agricultural Water Management</i> , 2021 , 258, 107177	5.9	2
138	Impacts of Effects of Deficit Irrigation Strategy on Water Use Efficiency and Yield in Cotton under Different Irrigation Systems. 2021 , 11, 231		1
137	Effects of different surface and subsurface drip irrigation levels on growth traits, tuber yield, and irrigation water use efficiency of potato crop. 2021 , 39, 517-533		4
136	Maize Breeding in the United States: Views from Within Monsanto. 199-282		1
135	Validation and application of AquaCrop for irrigated cotton in the Southern Great Plains of US. 2020 , 38, 593-607		5
134	Challenges for US Irrigated Agriculture in the Face of Emerging Demands and Climate Change. 2017 , 44-79		6
133	A tiered stochastic framework for assessing crop yield loss risks due to water scarcity under different uncertainty levels. <i>Agricultural Water Management</i> , 2020 , 238, 106226	5.9	5
132	Scheduling peach orchard irrigation in water stress conditions: use of relative transpiration and predawn leaf water potential. 2013 , 68, 147-158		13
131	Sesame Yield Response to Deficit Irrigation and Water Application Techniques in Irrigated Agriculture, Ethiopia. 2018 , 2018, 1-6		4
130	Partial root-zone drying (PRD), its effects and agricultural significance: a review. 2020 , 44,		5
129	Root-Knot Nematode (<i>Meloidogyne javanica</i>) Deficit Irrigation Interactions on Eggplant Cropped under Open Field Conditions. 2016 , 24, 73-78		2
128	Improving water use efficiency in grain production of winter wheat and summer maize in the North China Plain: a review. 2016 , 3, 25		12
127	Effect of fertilization level on water use and production of corn (<i>Zea mays</i> L.) in a cereal producing area in Colombia - a modeling exercise using AquaCrop-FAO. 2017 , 35, 68-74		3
126	Evaluating AquaCrop Model for Winter Wheat under Various Irrigation Conditions in Turkey. 205-217		3
125	Desempenho produtivo e retorno econômico da cultura do sorgo submetida à irrigação deficitária. 2015 , 35, 676-688		2
124	DEFICIT IRRIGATION OF SUBSURFACE DRIP-IRRIGATED GRAPE TOMATO. 2020 , 40, 453-461		3

123	Deficit irrigation strategies and their impact on yield and nutritional quality of pomegranate fruit. 2017 , 72, 47-54	12
122	Change in Crop Management Strategies Could Double the Maize Yield in Africa.	2
121	Yield Component Responses of the <i>Brachiaria brizantha</i> Forage Grass to Soil Water Availability in the Brazilian Cerrado. 2020 , 10, 13	2
120	Impact of Climate Change on Crop Production and Potential Adaptive Measures in the Olifants Catchment, South Africa. 2021 , 9, 6	2
119	Support Irrigation Water Management of Cereals Using Optical Remote Sensing and Modeling in a Semi-Arid Region. 2019 , 124-145	3
118	Irrigation Methods and Scheduling in the Delta Region of Mississippi: Current Status and Strategies to Improve Irrigation Efficiency. 2014 , 05, 2917-2928	63
117	Green and blue water footprint reduction in irrigated agriculture: effect of irrigation techniques, irrigation strategies and mulching.	8
116	Assessing the Water Productivity of Durum Wheat in Tunisian Semi-Arid Conditions. 2021 , 195-211	
115	"Water, Water, Everywhere, But Not a Drop to Drink": Envisaging Strategies for Sustainable Management of Water. 771-775	
114	Rice yield variability in Punjab: an overview of five decades. 2021 , 19, 673-681	
113	Effects of Deficit Irrigation and Fertilization on Quinoa (<i>Chenopodium quinoa</i> Willd.) Water Status and Yield Productions.	1
112	Assessment of water availability vulnerability in the Cerrado. 2021 , 11, 1	0
111	A case study on water use efficiency in extreme water-saving cultivation of tomato plants. 2021 , 86, 556-566	0
110	Determining optimum applied water and seeding rates for winter wheat by using AquaCrop and mathematical-economic analysis1.	0
109	Supply Reliability Under Climate Change: Forbearance Agreements and Measurement of Water Conserved. 2014 , 57-82	1
108	Yield and Water Productivity of Chickpea (<i>Cicer arietinum</i> L.) as Influenced by Different Irrigation Regimes and Varieties under Semi Desert Climatic Conditions of Sudan. 2015 , 06, 1299-1308	0
107	California's Irrigated Agriculture and Innovations in Adapting to Water Scarcity. 2016 , 261-274	
106	Root-Zone Soil Water Balance and Sunflower Yield under Deficit Irrigated in Zambia. 2018 , 08, 61-73	

105	Environmental Approach for Energy Audits on Government Buildings: A Mexican Case for the Air Conditioning System. 2018 , 09, 278-293	
104	Economic Benefits of Supplemental Irrigation in Uganda. 2018 , 09, 1401-1418	
103	Effects of Irrigation Treatments on Biomass Production of Different Kenaf Varieties. 2018 , 17, 91-95	
102	Adaptation Strategies to Mitigate the Evapotranspiration for Sustainable Crop Production: A Perspective of Rice-Wheat Cropping System. 2019 , 559-581	1
101	Ecohydrology of Agroecosystems: Interactions Between Local and Global Processes. 2019 , 511-532	0
100	Effects of irrigation scheduling and different irrigation methods on onion and water productivity in Tigray, northern Ethiopia.	0
99	Photosynthetic resistance and resilience under drought and rewatering in maize plants.	
98	The Economic and Environmental Benefits of Partial Leasing of Agricultural Water Rights. 2021 , 57, e2021WR029712	
97	Medicinal Plants in Hydroponic System Under Water-Deficit Conditions A Way to Save Water. 2020 , 131-153	
96	Irrigation water management in date palm (<i>Phoenix dactylifera</i> L.) under arid environment. 2020 , 447-454	
95	Irrigation Water Use Efficiency and Economic Water Productivity of Different Plants Under Egyptian Conditions. 2020 , 205-219	
94	Rapeseed: Biology and Physiological Responses to Drought Stress. 2020 , 263-276	0
93	Production Efficiency and Total Protein Yield in Quinoa Grown under Water Stress. 2021 , 11, 1089	1
92	Responses of cotton photosynthesis and growth to a new irrigation control method under deficit irrigation. 2022 , 275, 108373	2
91	Investigating effects of deficit irrigation levels and fertilizer rates on water use efficiency and productivity based on field observations and modeling approaches. 2021 , 5, 252-263	0
90	Influence of humic acid application on onion growth characteristics under water deficit conditions. 1-11	3
89	Agronomic Manipulations for Cultivation of Quinoa (<i>Chenopodium quinoa</i> Willd.). 2021 , 113-129	
88	Investigating soybean (<i>Glycine max</i> L.) responses to irrigation on a large-scale farm in the humid climate of the Mississippi Delta region. <i>Agricultural Water Management</i> , 2022 , 262, 107432	5.9

87	Diverging water-saving potential across China's potato planting regions. 2022 , 134, 126450	2
86	Monitoring of Olive Trees Temperatures under Different Irrigation Strategies by UAV Thermal Infrared Imagery. 2020 ,	0
85	Assessing Growth and Water Productivity for Drip-Irrigated Maize under High Plant Density in Arid to Semi-Humid Climates. 2022 , 12, 97	2
84	Considering economic-environmental joint benefits of water-land resources allocation for supporting sustainable agricultural system development in northeastern China.. 2022 , 1	0
83	Breeding for salt tolerance in wheat: The contribution of carbon isotopic signatures.	0
82	Chelated amino acids: biomass sources, preparation, properties, and biological activities. 1	2
81	Strategies to Improve Crop-Water Productivity. 2022 , 149-172	
80	Effects of image spatial resolution and statistical scale on water stress estimation performance of MGDEXG: A new crop water stress indicator derived from RGB images. <i>Agricultural Water Management</i> , 2022 , 264, 107506	5.9 0
79	Wastewater and its Residual Effect on Forage Production and the Chemistry of a Degraded Soil.	
78	Response of Dry Matter Yield and Nutritive Value of Corn for Silage to Irrigation Water and Nitrogen.	
77	Sustainable Agriculture Water Management. 2022 , 1-14	
76	Response of Dry Matter Yield and Nutritive Value of Corn for Silage to Irrigation Water and Nitrogen.	
75	Using HYDRUS-1D for estimating evapotranspiration and soil water content of irrigated winter wheat under different water management in a semi-arid region of Morocco. 2022 , 87-94	
74	Soil physico-chemical properties and water productivity of maize as affected by biochar application under different irrigation regimes in northwest India. 2022 , 53, 1068-1084	1
73	Essential Oil Composition and Bioactive Properties of Lemon Balm Aerial Parts as Affected by Cropping System and Irrigation Regime. 2022 , 12, 649	2
72	Plant Growth-Promoting Rhizobacteria Improve Growth, Morph-Physiological Responses, Water Productivity, and Yield of Rice Plants Under Full and Deficit Drip Irrigation.. 2022 , 15, 16	3
71	Sodium accumulation trend in the different quality seed, cultivars, and yield potential of peanut under salinity stress. 1-16	
70	Irrigation efficiency optimization at multiple stakeholders levels based on remote sensing data and energy water balance modelling. 1	0

69	Improving the AquaCrop model to achieve direct simulation of evapotranspiration under nitrogen stress and joint simulation-optimization of irrigation and fertilizer schedules. <i>Agricultural Water Management</i> , 2022 , 266, 107599	5.9	1
68	Climate change and maize productivity in Uganda: Simulating the impacts and alleviation with climate smart agriculture practices. 2022 , 199, 103407		2
67	How irrigation water saving strategy can affect tuber growth and nutritional composition of potato. 2022 , 299, 111034		1
66	Sera Koŋllarŋda FarklŋSulama Suyu Miktarŋve Solucan Gŋresi Dozlarŋŋ Fesleŋn (Ocimum basilicum L.) Bitkisinin BazŋVejetatif ŋzelliklerine Etkileri.		
65	Deficit irrigation maintains maize yield through improved soil water extraction and stable canopy radiation interception.		1
64	Proposing a combined method for the estimation of spatial and temporal variation of crop water productivity under deficit irrigation scenarios based on the AquaCrop model. 2022 , 12, 1		1
63	Effect of Activated Water Irrigation on the Yield and Water Use Efficiency of Winter Wheat under Irrigation Deficit. 2022 , 12, 1315		2
62	Oil and seed yields affected by sowing dates and irrigation regimes applied in growth phenological stages of safflower.		
61	Evaluating the Performance of AquaCrop Model for Potato Production Under Deficit Irrigation. 2022 , 15, 117862212211082		2
60	Improving the irrigated status of irrigated land. 2022 ,		
59	Effectiveness of application of bio-water-furrow systems in improving the meliorative condition of irrigated land. 2022 ,		
58	Irrigation Scheduling and Production of Wheat with Different Water Quantities in Surface and Drip Irrigation: Field Experiments and Modelling Using CROPWAT and SALTMED. 2022 , 12, 1488		0
57	Deficient irrigation of vegetable crops. 2022 , 44-49		2
56	Physiological Basis to Assess Barley Response to Optimized Regulated Deficit Irrigation for Limited Volumes of Water (Ordil).		0
55	Enhancing the Productivity and Water Productivity of Lemon Using Partial Root Drying and Adding Biochar. 2022 , 21, 507-519		
54	Evaluation of Aqua-Crop Model using Onion Crop under Deficit Irrigation and Mulch in Semi-arid Nigeria. 2022 , 3, 131-145		0
53	Modeling the response of sesame (<i>Sesamum indicum</i> L.) growth and development to climate change under deficit irrigation in a semi-arid region. 2022 , 1, e0000003		1
52	Predicting soybean evapotranspiration and crop water productivity for a tropical environment using the CSM-CROPGRO-Soybean model. 2022 , 323, 109075		0

51	Water use - yield relationship of maize as influenced by biochar and inorganic fertilizer applications in a tropical sandy clay loam soil. <i>Agricultural Water Management</i> , 2022 , 271, 107801	5.9	1
50	Effects of Irrigation Regimes on Yield And Water Productivity of Proso Millet (<i>Panicum Miliaceum</i> L.) in Thrace Region Of Turkey.		
49	Net irrigation requirement under different climate scenarios using AquaCrop over Europe. 2022 , 26, 3731-3752		1
48	Modeling the Impact of Deficit Irrigation on Corn Production. 2022 , 14, 10401		2
47	Strategies to increase barley production and water use efficiency by combining deficit irrigation and nitrogen fertilizer.		
46	Impacts of deficit irrigation and organic amendments on soil microbial populations and yield of processing tomatoes. 2022 , 180, 104625		2
45	Climate and management impacts on crop growth and evapotranspiration in the North China Plain based on long-term eddy covariance observation. 2022 , 325, 109147		0
44	Parameterizing the AquaCrop model for potato growth modeling in a semi-arid region. 2022 , 288, 108680		0
43	Vulnerability of crop water footprint in rain-fed and irrigation agricultural production system under future climate scenarios. 2022 , 326, 109164		0
42	Closing the irrigation water productivity gap to alleviate water shortage in an endorheic basin. 2022 , 853, 158449		0
41	Physiological basis to assess barley response to optimized regulated deficit irrigation for limited volumes of water (ORDIL). 2022 , 274, 107917		0
40	Water and productivity accounting using WA+ framework for sustainable water resources management: Case study of northwestern Iran. 2022 , 128, 103245		1
39	Impact of fruit tree hole storage brick treatment on the growth of grape seedlings and water transport in the root zone under root restriction and subsurface drip irrigation. 2023 , 308, 111552		1
38	Exploring Biblioshiny for Historical Assessment of Global Research on Sustainable Use of Water in Agriculture. 2022 , 14, 10651		2
37	A Comparison between Variable Deficit Irrigation and Farmers Irrigation Practices under Three Fertilization Levels in Cotton Yield (<i>Gossypium hirsutum</i> L.) Using Precision Agriculture, Remote Sensing, Soil Analyses, and Crop Growth Modeling. 2022 , 14, 2654		0
36	Water Budget, Biological Water Use, and the Soil Hydrological Cycle across Typical Ecosystems of the Heihe River Basin. 2022 , 14, 2895		0
35	Deficit mulched drip irrigation improved yield and quality while reduced water consumption of <i>isatis indigotica</i> in a cold and arid environment. 13,		0
34	Breeding Long Shelf-Life (LSL) Tomato Landraces to Non-Trellised Culture and Water Deficit Irrigation: The Effect on Yield and Postharvest Storage. 2022 , 12, 2312		0

- 33 Mediterranean viticulture in the context of climate change. **2022**, 37, 139-158 ○
- 32 Determining Irrigation Volumes for Enhancing Profit and N Uptake Efficiency of Potato Using WASH_2D Model. **2022**, 12, 2372 1
- 31 Automatic irrigation scheduling based on soil water potential thresholds allows water savings in a highly productive apple orchard. **2022**, 563-570 ○
- 30 The Evolution of Irrigation Effects on Agricultural Drought Mitigation in North China. **2022**, 14, 5197 ○
- 29 Fruit growth, carbon allocation, and related enzymes in tomato under different irrigation and potassium application regimes. ○
- 28 High-resolution crop yield and water productivity dataset generated using random forest and remote sensing. **2022**, 9, 2
- 27 FarmCan: a physical, statistical, and machine learning model to forecast crop water deficit for farms. **2022**, 26, 5373-5390 ○
- 26 Investigating a microbial approach to water conservation: Effects of Bacillus subtilis and Surfactin on evaporation dynamics in loam and sandy loam soils. 6, ○
- 25 Cost-effective strategies to improve crop water productivity: base study: Bakhtegan and Maharloo, Iran. ○
- 24 Water management in potato. **2023**, 87-100 ○
- 23 More risk, more money: When are payments for water savings from limited irrigation profitable for farmers?. **2022**, 100212 1
- 22 Interactive effects of deficit irrigation and vermicompost on yield, quality, and irrigation water use efficiency of greenhouse cucumber. **2022**, 14, 1274-1292 ○
- 21 Adapting irrigated agriculture in the Middle Rio Grande to a warm-dry future. **2023**, 45, 101307 ○
- 20 Effect of deficit irrigation and soil fertility management on wheat production and water productivity in the Upper Blue Nile Basin, Ethiopia. **2023**, 277, 108077 ○
- 19 Water Saving Using Thermal Imagery-Based Thresholds for Timing Irrigation in Potatoes under Drip and Furrow Irrigation Systems. **2022**, 12, 2921 ○
- 18 Estimating crop water requirements for irrigation scheduling of tomato using Aquacrop 5.0 and Cropwat 8.0 models under scarcity and unreliability of rainfall in Harare. **2022**, 18, 1089-1101 ○
- 17 Optimization of Irrigation Scheduling for Improved Irrigation Water Management in Bilate Watershed, Rift Valley, Ethiopia. **2022**, 14, 3960 ○
- 16 Performance of Partial Root-Zone Drying Technique on Yield, Water Productivity and Quality of Cucumber. **2023**, 22, 82-96 ○

15	Impacts of Deficit Irrigation on Photosynthetic Performance, Productivity and Nutritional Quality of Aeroponically Grown Tuscan Kale (<i>Brassica oleracea</i> L.) in a Tropical Greenhouse. 2023 , 24, 2014	1
14	High N availability decreases N uptake and yield under limited water availability in maize.	0
13	Effect of Mycorrhizal Inoculation on Melon Plants under Deficit Irrigation Regimes. 2023 , 13, 440	0
12	Energy, environmental, and socioeconomic potential benefit of straw resources utilization under water availability limit condition. 2023 , 392, 136274	0
11	Foliar Application of Carnosine and Chitosan Improving Drought Tolerance in Bermudagrass. 2023 , 13, 442	0
10	Promising Bioregulators for Higher Water Productivity and Oil Quality of Chia under Deficit Irrigation in Semiarid Regions. 2023 , 12, 662	0
9	Assessing Grapevine Water Status by Integrating Vine Transpiration, Leaf Gas Exchanges, Chlorophyll Fluorescence and Sap Flow Measurements. 2023 , 13, 464	0
8	Orchard Management and Incorporation of Biochemical and Molecular Strategies for Improving Drought Tolerance in Fruit Tree Crops. 2023 , 12, 773	0
7	Eco-Physiological and Productive Response of Deficit Irrigated Potatoes. 2023 , 13, 591	0
6	Generalized water production relations through process-based modeling: A viticulture example. 2023 , 280, 108225	0
5	The Effects of Plastic Mulched Drip Irrigation on Yield, Fruit Quality and Water Productivity of Table Tomatoes.	0
4	Enhancing Agricultural Water Productivity Using Deficit Irrigation Practices in Water-Scarce Regions. 2023 , 177-206	0
3	Regulated Deficit Irrigation during Vegetative Growth Enhances Crop Water Productivity in Chickpea (<i>Cicer arietinum</i> L.). 2023 , 13, 917	0
2	Unveiling safflower yield, oil content, water use efficiency, and membrane stability under differential irrigation regimes. 2023 , 16,	0
1	Use of Deficit Irrigation to Enhance Winegrape Production Efficiency. 2023 , 1-7	0