

Volume 5

Micro Irrigation Management: Technological Advances and Their Applications

Editor: Megh R. Goyal, PhD, PE

Part I: Estimations of Evapotranspiration

1. Reference Evapotranspiration Estimations Using the Penman Monteith Method: Puerto Rico
2. Reference Evapotranspiration: Trends and Identification of Its Meteorological Variables in Arid Climate
3. Evapotranspiration of Woody Landscape Plants
4. Evaporation and Seepage Losses from Dug-Out Type Farm Ponds

Part II: Estimations of Soil Properties

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Part III: Management of Micro Irrigation Systems

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Part IV: Field Evaluation of Micro Irrigation Systems

12. Potential Problems in Drip Irrigation Systems
13. Emitters: Pressure and Discharge Relationship

Index
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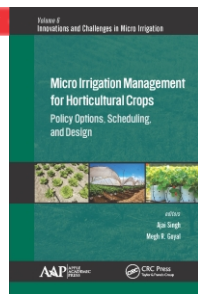
Volume 6

Micro Irrigation Engineering for Horticultural Crops: Policy Options, Scheduling, and Design

Editors: Ajai Singh, PhD, FIE, and Megh R. Goyal, PhD, PE

Part I: Policy Options: Drip Irrigation Among Adopters

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2. Policy Options for Better Implementation of Micro Irrigation: Case Study of India



Part II: Irrigation Scheduling of Horticultural Crops

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- Part III: Design of Drip Irrigation Systems
7. Design of Micro Irrigation System: Sloppy and Terraced Land
 8. Uniformity Measurement Methods: Spinner Type Micro-Sprinklers
- Approx. 275 pages with index. ISBN: 978-1-77188-540-9
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Volume 6

Micro Irrigation Scheduling and Practices

Editors: Megh R. Goyal, PhD, PE, Balam Panigrahi, PhD, and Sudhindra N. Panda, PhD

Part I: Performance of Vegetable Crops

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3. Water Use Efficiency for Drip Irrigated Chili under Polyethylene Mulching
4. Performance of Water Melon under Mulching, Subsurface and Surface Drip Irrigation Systems in Semi-Arid Region

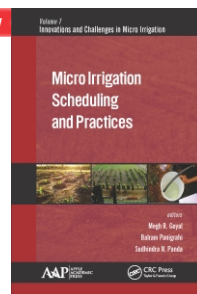
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15. Fertigation in Drip Irrigation System: Evaluation of Venturi Injectors and Its Simulation Study
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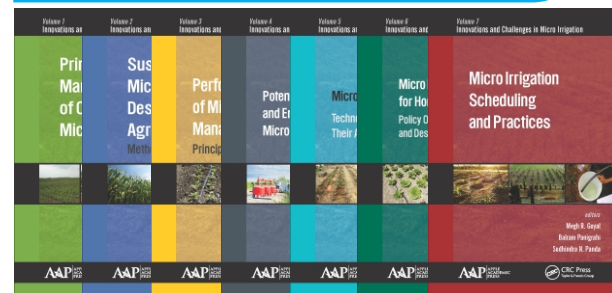
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Principles and Management of Clogging in Micro Irrigation

Editors: Megh R. Goyal, PhD, PE,
Vishal K. Chavan and
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1. Principles of Chlorination and Acidification
2. Emitter Clogging: Principles, Practices and Management

Part II: Management of Emitter Clogging

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4. Challenges in Clogging under Sub-surface Drip Irrigation: South Africa
5. Performance Characteristics of a Micro Sprinkler
6. Efficiency of Acidification for Unclogging of Emitters

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296 pages with index. ISBN: 978-1-77188-277-4
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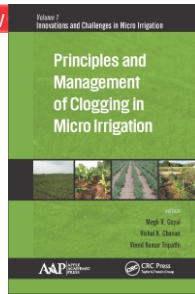
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Editors: Megh R. Goyal, PhD, PE,
and P. Panigrahi, PhD

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1. Drip Irrigation and Indigenous Alternatives for Use of Saline and Alkali Waters in India: Review
2. Hydraulic Performance of Drip Irrigation System: Review
3. Moisture Distribution under Drip Irrigation
4. Wetted Zone Behavior under Micro Irrigated Crops
5. Fertigation Technology in Indian Agriculture
6. Design of Buried Micro Irrigation Laterals Based on Soil Water Retention
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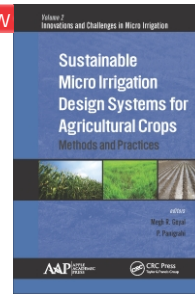
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Volume 3

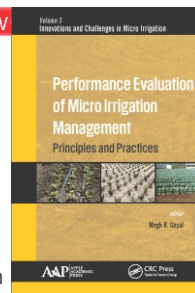
Performance Evaluation of Micro Irrigation Management: Principles and Practices

Editor: Megh R. Goyal, PhD, PE

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 5. Evaluation of Drip Irrigation Systems for Water Management in Orchards
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 8. Impact of Polyethylene Mulch on Micro Irrigated Cabbage
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378 pages with index. ISBN: 978-1-77188-320-7 CAT#:
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Volume 4

Potential Use of Solar Energy and Emerging Technologies in Micro Irrigation

Editors: Megh R. Goyal, PhD, PE,
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Part I: Basics of Micro Irrigation

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2. Design of Trickle Irrigation Systems
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6. Thermal Modeling of a Solar Greenhouse for Water Saving and Sustainable Farming
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