Drip Irrigation

J.-P. Venot, M. Kuper, and M. Z. Zwarteveen, *Drip irrigation for agriculture: Untold stories of efficiency, innovation and development*. London: Routledge, 2019.

This book provides a useful reference of the conditions in which drip irrigation provides benefits and elaborates on the advantages of drip irrigation, while considering areas in which drip irrigation fails through case studies around the world.

J. E. Ayars, A. Fulton, and B. Taylor, "Subsurface drip irrigation in California—here to stay?," *Agricultural Water Management*, vol. 157, pp. 39–47, 2015.

This journal article describes the rollout of drip irrigation from research to widespread use and will be a useful reference when considering ways to implement experimental agricultural techniques.

J. E. Ayars, F. R. Lamm, and F. S. Nakayama, *Microirrigation for crop production: Design, operation, and Management*. Amsterdam: Elsevier, 2007.

This book describes, in more concrete terms, how to maximize water and fertilization efficiency when using drip irrigation and will be useful when explaining the operation of our system in the briefing note.

Influence on SDGs

M. R. Goyal and R. L. I. P., *Fertigation Technologies for micro irrigated crops: Performance, requirements, and efficiency*. Palm Bay, FL, USA: Apple Academic Press, 2022.

This book identifies ways to use water more effectively through new irrigation techniques and describes potential water requirement improvements of these new techniques (SDG2).

S. Kumar, M. Imtiyaz, and A. Kumar, "Studying the feasibility of using microirrigation systems for vegetable production in a canal command area," *Irrigation and Drainage*, vol. 58, no. 1, pp. 86–95, 2009.

This journal article describes a comparison between existing flood irrigation systems versus drip irrigation techniques for growing onions, finding that drip irrigation increases crop yields, thereby food security (SDG7).

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