

Furrow Irrigation Papers (December 2022):

HYDRUS (2D/3D):

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1. Balkhi, A., H. Ebrahimian, A. N. Ghameshlou, and M. Amini, Modeling of nitrate and ammonium leaching and crop uptake under wastewater application considering nitrogen cycle in the soil, *Model. Earth Syst. Environ.*, 11 p., doi: 10.1007/s40808-022-01546-9, 2022.
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3. Zhu, W., R. Qiao, and R. Jiang, Modelling of water and nitrogen flow in a rain-fed ridge-furrow maize system with plastic mulch, *Land*, 11(9), 1514, 19 p., doi: 10.3390/land11091514, 2022.

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5. Pahlevani, A., H. Ebrahimian, F. Abbasi, and H. Fujimaki, Distribution of soil water and nitrate in furrow irrigation under different plastic mulch placement conditions for a maize crop: Field and modelling study, *International Agrophysics*, 35(2), 131-144, doi: 10.31545/intagr/135338, 2021.

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10. Liu, K., G. Huang, X. Xu, Y. Xiong, Q. Huang, and J. Šimůnek, A coupled model for simulating water flow and solute transport in furrow irrigation, *Agricultural Water Management*, 213, 792-802, 2019.

11. Mohammadi, A., S. Besharat, and F. Abbasi, Effects of irrigation and fertilization management on reducing nitrogen losses and increasing corn yield under furrow irrigation, *Agricultural Water Management*, 213, 1116–1129, doi: 10.1016/j.agwat.2018.11.007, 2019.
12. Ranjbar, A., A. Rahimikhoob, H. Ebrahimian, and M. Varavipour, Simulation of nitrogen uptake and distribution under furrows and ridges during the maize growth period using HYDRUS-2D, *Irrigation Science*, doi: 10.1007/s00271-019-00627-5, 2019.
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