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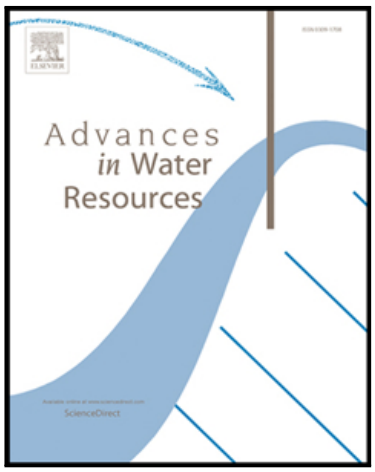

Crop kites: determining crop-water production functions using crop coefficients and sensitivity indices

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Highlights

- Crop kites demonstrate yield as a function of the temporal distribution of water use.
- The timing of water deficit significantly affects water productivity and yield.
- Deficit irrigation necessitates acknowledging the timing of water deficit.
- Crop kites are a tool to easily determine crop-water production functions.
- Crop-water production functions are not necessarily diminishing curvilinear functions.

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