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## Crop production in controlled-environment greenhouses with an integrated solar desalination system

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The burgeoning world population requires intensified efforts to increase food production, especially in tropical and subtropical regions. The authors report below on a controlled-environment saltwater greenhouse with integrated solar desalination which has been designed and field tested for food production. First results from the system, which uses passive design features to provide a continuous supply of freshwater from seawater, show its viability in producing high yields of crops irrigated only with water derived from the sea.

Palabras clave: North America, Solar energy, Desalination, Greenhouse, Combined system, Prototype, Arizona, Running, United States

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