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Transforming the Food-Water-Energy-Land-Economic Nexus of
Plasticulture Production through Compact Bed Geometries

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HIGHLIGHTS

- Compact bed geometries impact plasticulture's food-water-energy-land-economic nexus
- Tall-narrow compact beds were evaluated against traditional short-wide beds
- Biophysical measurements, hydrologic modeling, and economic analysis were used
- Compact beds matched yield while reducing water, cost, carbon, and waste footprints
- Compact beds may help plasticulture with future climate and food-water challenges

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