Land+Food: An Inventory of Ag and Food Resources in US Islands

How do we reliably feed our communities? With the majority of our food imported across the sea through complex supply chains, at higher cost, and at the mercy of climate change and global pandemics, we must chart a course to self-sufficient, local agriculture. To help this return to the land, we here take inventory of the land itself: **How much land is there? How much food can it grow? Is it enough?**



Notes and References: All areas were per capita normalized to population estimates from the most recent available US Census Bureau Survey. https://data.census.gov/cedsci/

(1) Area estimates were calculated based on the latest available (2010-2018) National Oceanic and Atmospheric Administration (NOAA) Coastal Change Analysis Program (C-CAP) for Hawaii and the US Territones https://coast.noaa.gov/digitalicoast/data/ccapregional.html (2) Area estimates of the 48-conjuguous US States calculated from the 2016 US Geological Survey USISSI National Land Cover Database (NLCD).

https://www.mrlc.gov/data/nlcd-2016-land-cover-conus

 Agricultural Vields were calcuated as 10-year averages (b009-2013) for all major crop categories for grouped regions (North America, Caribbean, Polynes http://wwwfaoorg/faostat/en/#data "Where yield data was unavailable for Polynesia, values for Oceania were substituted "Where yield data was unavailable for the Caribbean, values for the Americas were substituted
"Differences"

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How much food can we grow in an acre?

It really depends on where that acre is. The technological advances and management practices of modern agriculture in North America to improve crop yields have not translated to the US islands despite an abundance of sun, water, and year-round growing seasons.

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