Combating Food Insecurity and Climate Change with Urban Agriculture

Brandon Merchant (He/Him) – Health and Garden Education Coordinator
Food prices soar to 40-year highs, pinching shoppers at groceries and restaurants
The latest food index from the Bureau of Labor Statistics climbed 10.1 percent for the 12 months ending in May, the first increase of over 10 percent since 1981.

'A disastrous situation': mountains of food wasted as coronavirus scrambles supply chain

Food waste and food insecurity rising amid coronavirus panic
Nervous consumers hoard groceries and restaurants go take-out, while unemployment skyrockets and food pantries suffer. But solutions exist.

Dead Chickens, Frozen Oranges Confront Farmers in South After Severe Cold

U.S. Fertilizer Prices Soar as Storms Roil Industry Hub

Dumped Milk, Smashed Eggs, Plowed Vegetables: Food Waste of the Pandemic

Global food crisis looms as fertilizer supplies dwindle

Texans running out of food as weather crisis disrupts supply chain

How Coronavirus Is Exposing the World’s Fragile Food Supply Chain – and Could Leave Millions Hungry

Coronavirus broke the global food supply chain. It may never recover

U.S. Food Supply Chain Is Strained as Virus Spreads

UN says up to 40% of world’s land now degraded
The great divide in Tucson temperatures

Seven of the 10 hottest neighborhoods in the Tucson area were found on the south side, a new study written by researchers at the University of California-Davis and American University of Beirut shows. The researchers took averages of satellite temperature measurements over seven years to come up with mean temperatures for Tucson and 29 other Southwestern cities for both average summer days and days with extreme heat.

Tong, D., Buechle, S., and Bao, Y. (2015)

Food deserts are areas with low income and low access to food, exclusion of independent stores increases access for every neighborhood.

Average distance to the nearest store is a major determinant of whether a tract is a food desert.

*Click on a tract for more information.*

Source: reportreleased.com/press
Tong, D., Buechle, S., and Bao, Y. (2015)
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Sonoran Mesquite Barrio Restoration Alliance

- Build Community Capacity, Combat Food Scarcity and Compensate for Anticipated Disruptions to Mainstream Ag; Increase Tree Canopy in Tucson’s South Side Barrios
- Velvet Mesquite is native, low water use, part of a biodiverse polyculture.
- City of Tucson, Sunnyside School District, Flowers & Bullets, and Many Others