



QUALTERRA

Innovations for Agriculture and Sustainability

Sustainable Technologies

Controlled Environment
Horticulture (CEH)



Biomass Processing and
Carbon Sequestration



Better Soils, Better Plants, Better World

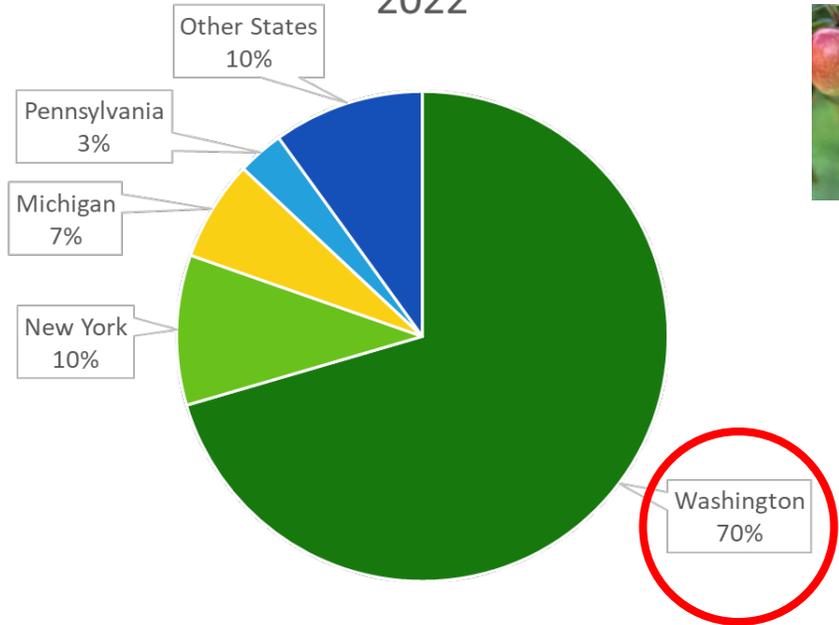


Controlled Environment Horticulture



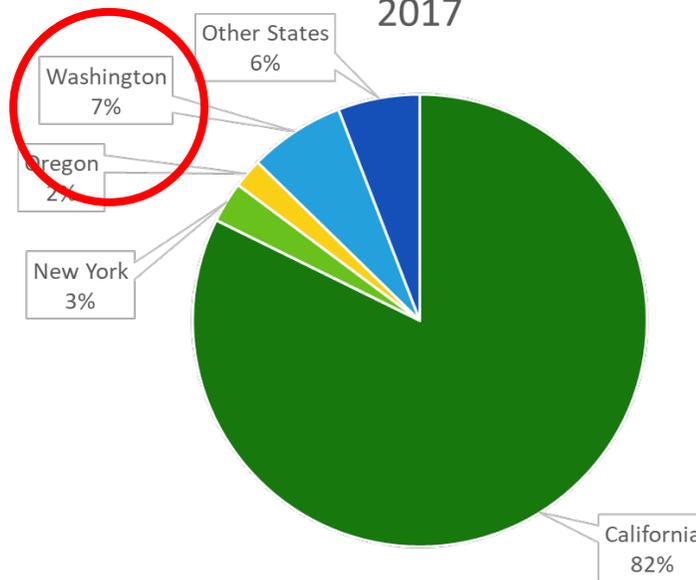
Top US Apple-Producing States in

2022



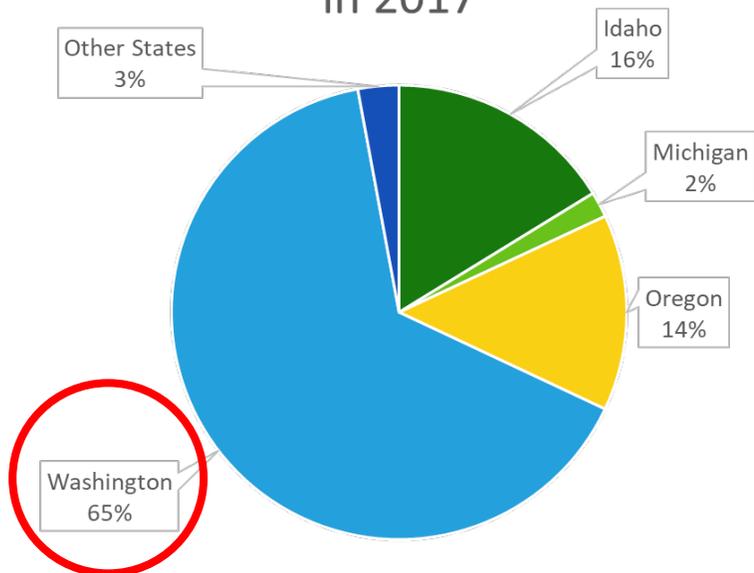
Top US Grape-Producing States in

2017



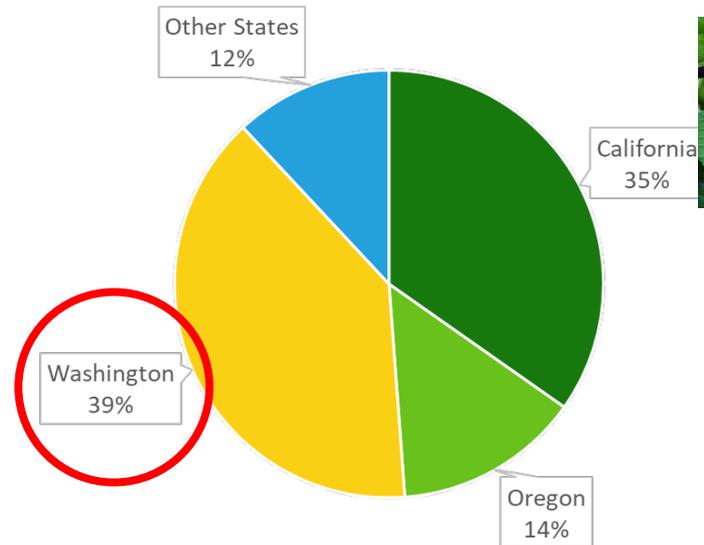
Top US Hops-Producing States

in 2017



Top US Cherry-Producing States in

2017



Biomass



HOPS WASTE



NUT SHELLS



WOOD WASTE



WHEAT STRAW

CO₂

Energy Production



Carbon Sequestration



Biochar



IMPROVED PLANT VITALITY AND YIELD



RETAINS WATER



IMPROVED NUTRIENT AVAILABILITY



ACCELERATED ROOT DEVELOPMENT



ENHANCED MICROBIAL ACTIVITY



IMPROVED SOIL STRUCTURE





Delivery of the next generation Biomass Processing Unit to Vaagen Timbers March 2023

Biochar Trial in Hops: August 2022 Update

Control:
No Application



5%
0.5 Ton per Acre



10%
1.0 Ton per Acre



15%
1.5 Tons per Acre





Gisela 12 Rootstocks at 4 months



Can Qualterra biochar improve the productivity of the pepper fields that bring us #tabasco sauce? We're about to find out! We're thrilled to partner with McIlhenny Company, makers of TABASCO® Sauce and Department of Horticultural Sciences, College of Agriculture & Life Sciences at Texas A&M University to conduct an on-farm research trial of our biochar soil amendment incorporated into McIlhenny Company's #pepper fields located on Avery Island, Louisiana. The study will evaluate multiple aspects including #soil health, pepper yields, plant health and carbon sequestration. The on-farm trial will take place in the 2023 growing season, and the results will be analyzed by the Department of Horticultural Sciences and shared with Qualterra and McIlhenny Company. Stay tuned!

#agtech #sustainability #horticulture #sustainableagriculture
#biochar #carbonsequestration #tamu

