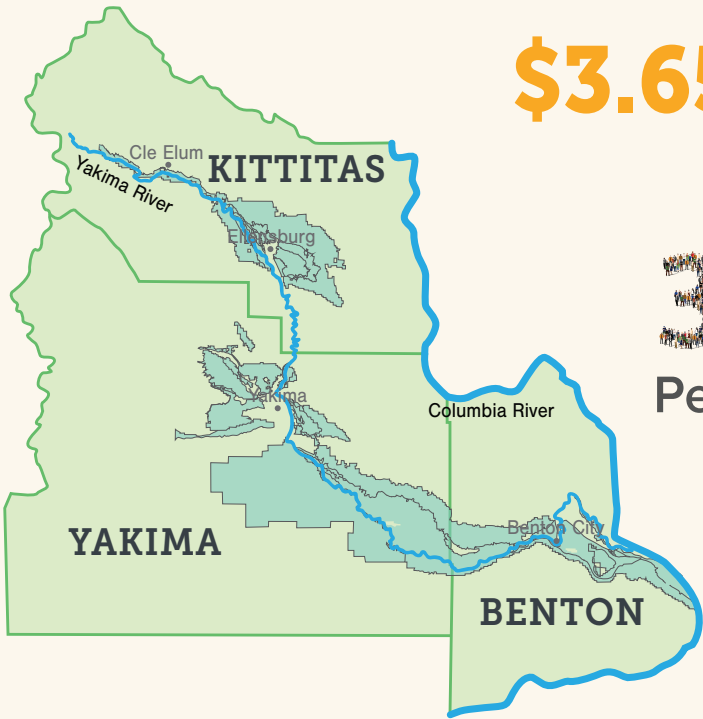




Washington
State Department of
Agriculture

A reliable water supply is critical for the Yakima Basin economy

In times of drought, many irrigators in the Yakima Basin do not receive their full water supply. These irrigators account for 58% of Yakima Basin agricultural value. This makes the region especially vulnerable to economic and environmental impacts of drought.



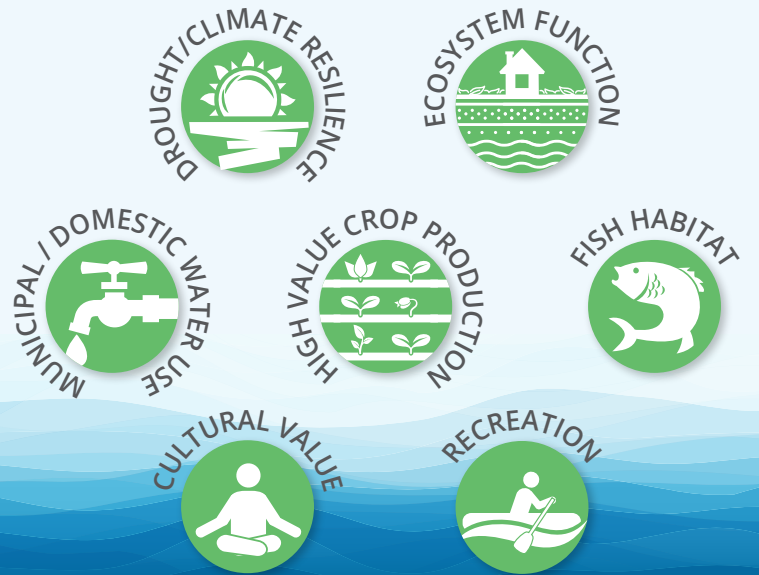
\$3.65 Billion

Total Revenue*

33,973

People Employed

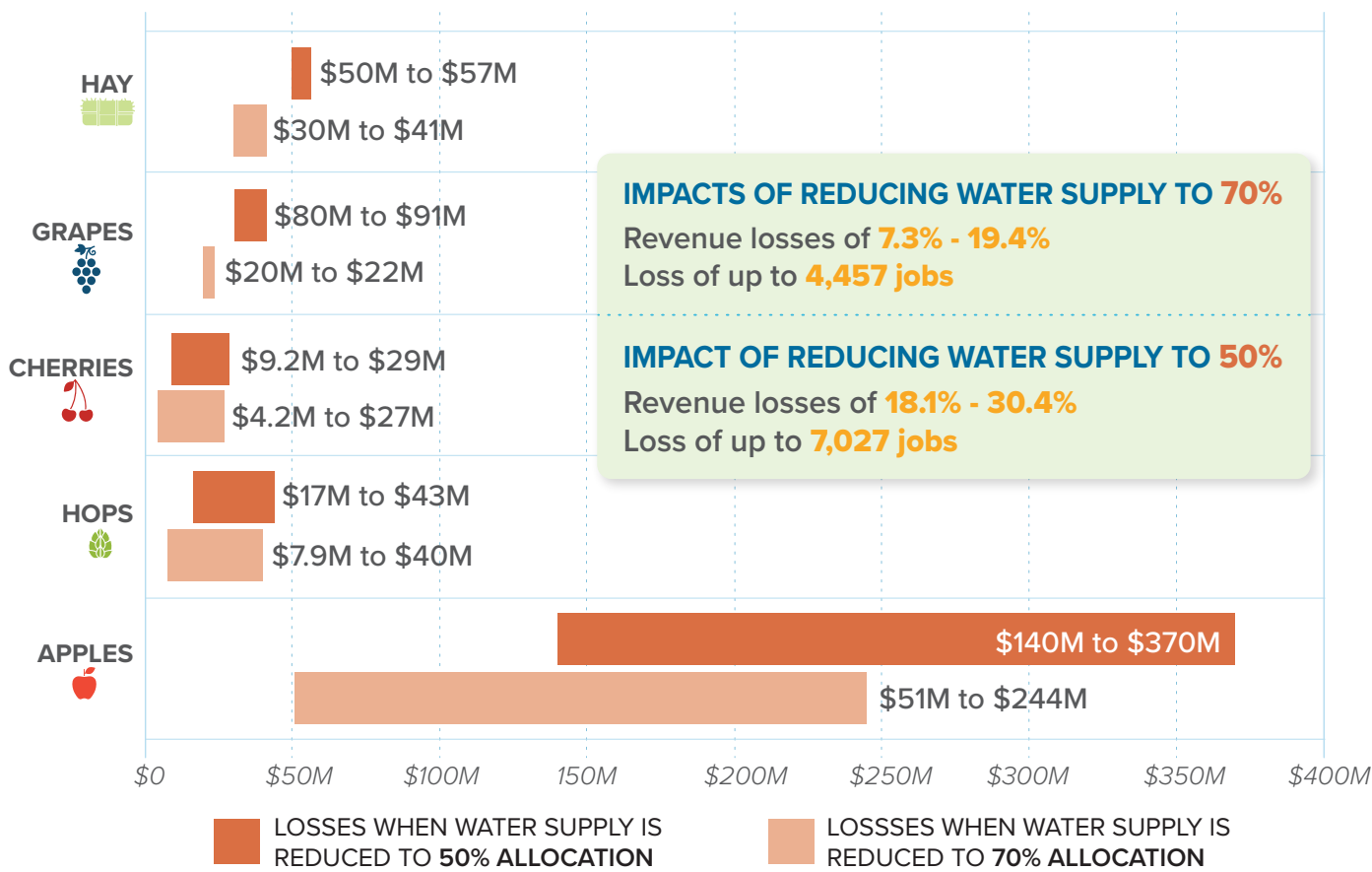
WATER SUPPLY IN THE YAKIMA BASIN



Uncertainty in water availability is a concern for all who rely on streamflow. The Yakima Basin Integrated Plan (YBIP[†]) works to secure water in drought years via surface water storage, groundwater storage, water conservation and market re-allocation projects.

POTENTIAL DROUGHT IMPACTS[‡]

Drought Model Results - Producer Losses



One of YBIP's goals is to supply vulnerable water users with 70% of their full water allocation during drought events. Compared to 50% water supply, this would mitigate:

11% in total economic losses

\$406 million in revenue losses

Save **3,770+** jobs

To view the full report, visit agr.wa.gov/agscience

COMMODITY VALUES IN IMPACTED DISTRICTS



1 APPLES
\$1.34 billion



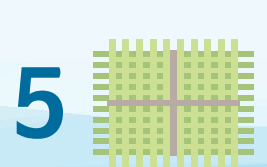
2 HOPS
\$303 million



3 CHERRIES
\$180 million



4 GRAPES
\$103 million



5 HAY
\$82 million

*All values are reported in 2022 dollars | [*yakimabasinintegratedplan.org](http://yakimabasinintegratedplan.org)

[‡]UC Merced drought modeling tool <https://openag.ucmerced.edu> or Medellin-Azuara, J., Escrivá-Bou, A., Cole, S.A., Rodríguez-Flores, J.M. Santos, N. (2023, February 22) OpenAg Hydroeconomic Modeling Hub. <https://openag.ucmerced.edu/#/pages/about>