

THE IMPACT OF CLIMATE CHANGE ON THE AUSTRALIAN WINE INDUSTRY

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AIM

- To analyse the potential impact of climate change on grape yields and prices in Australia



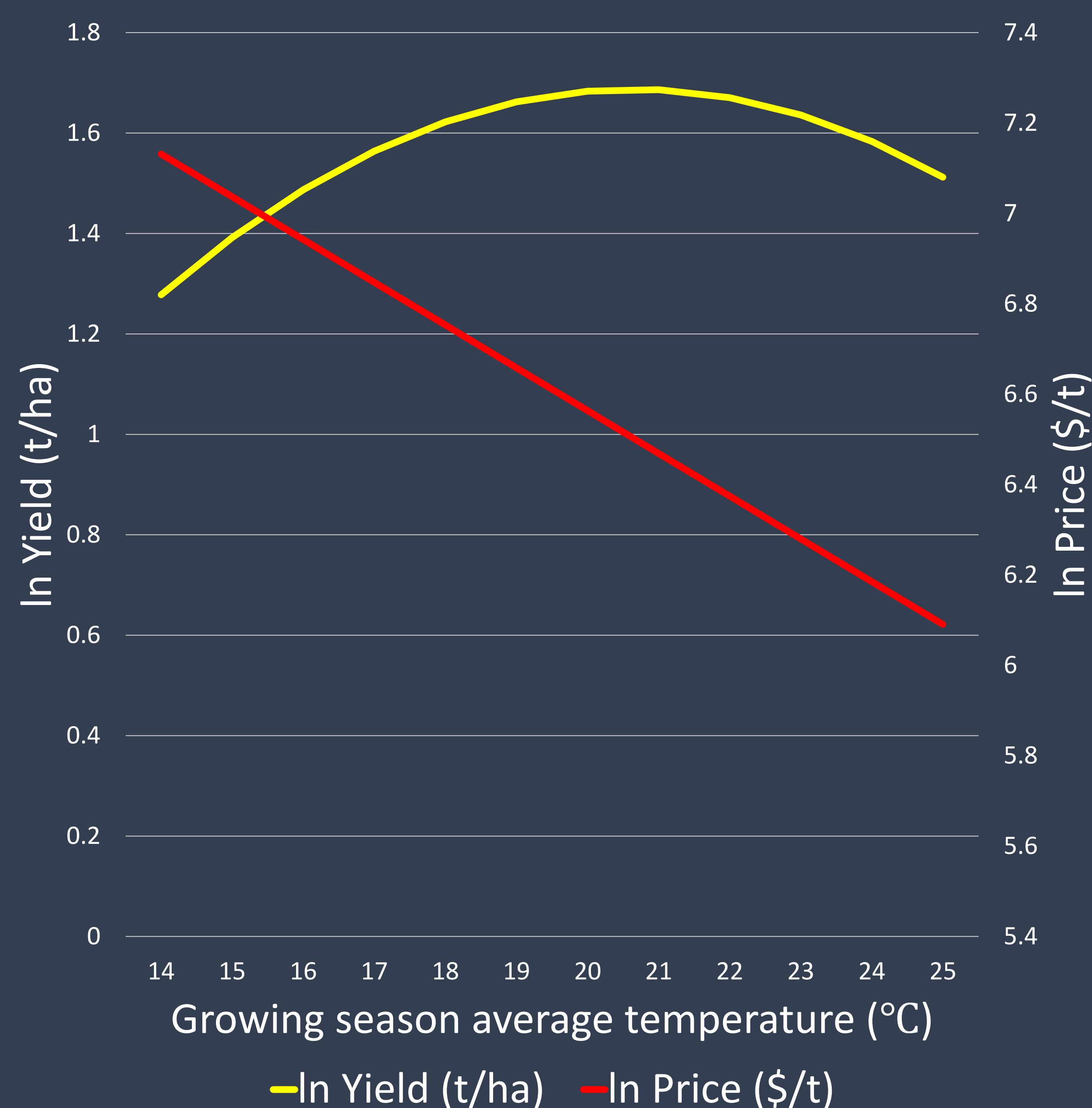
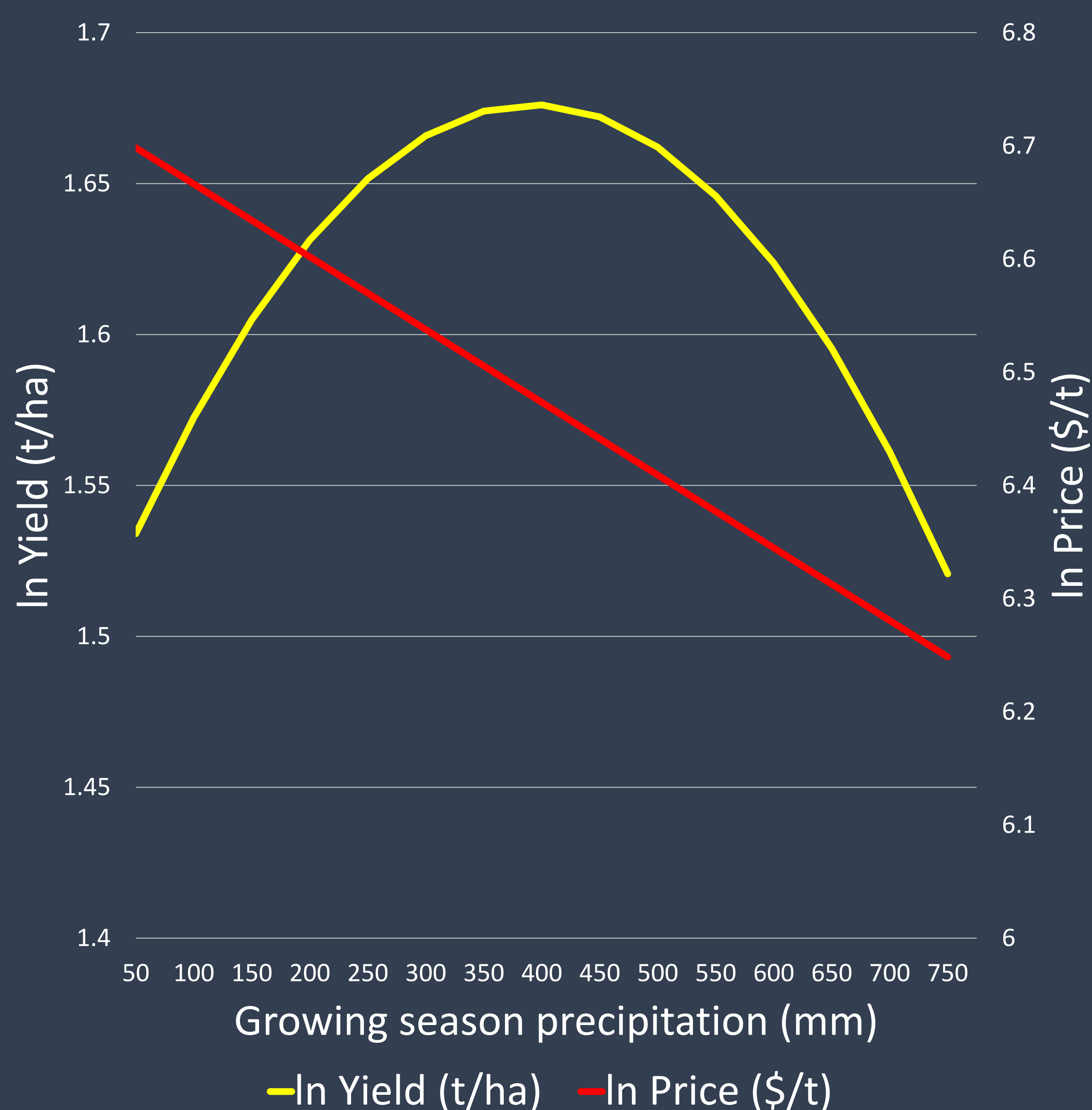
METHODS

- 1st step: we use statistical models to estimate the impact of temperature and precipitation variables on grape yields and prices
- 2nd step: we use the estimates from the first step to quantify the potential impact of climate change projections



RESULTS

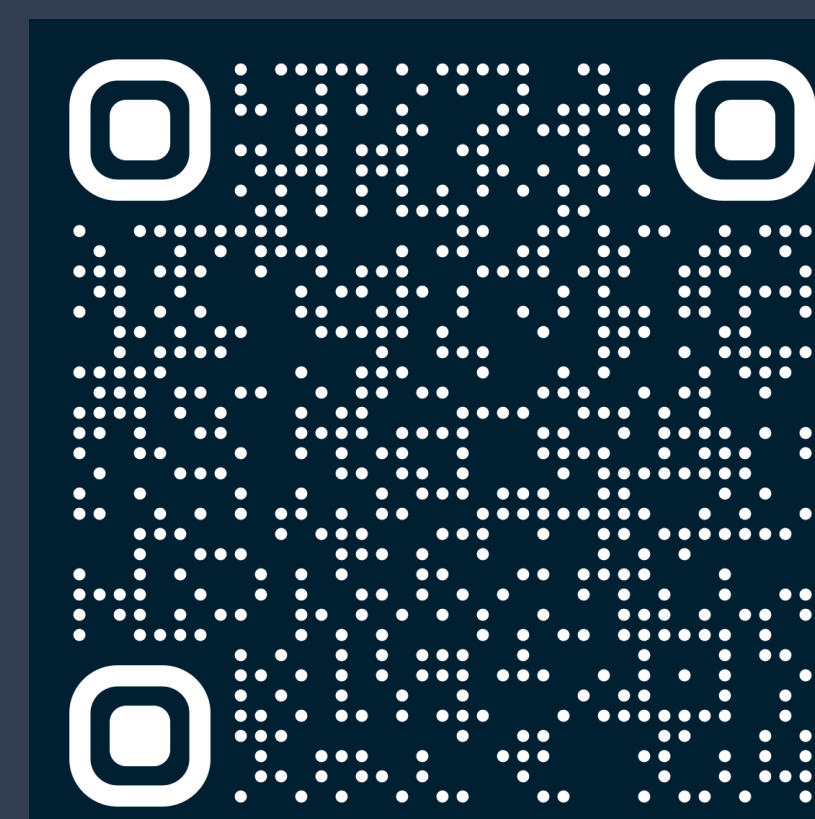
- Both growing season precipitation and temperature have inverse-U effects on grape **yields** (see graphs)
- Higher growing season precipitation and temperature lead to lower **prices** (see graphs)
- The main impact of climate change will be due to changes in temperature, which will increase in all regions
- On average, climate change will lead to lower yields and prices/quality, hence lower revenues



TAKE-AWAY

- Winegrowers will need to adapt, and that will involve changing varieties and/or relocating to cooler regions

SCAN FOR MORE INFORMATION



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