

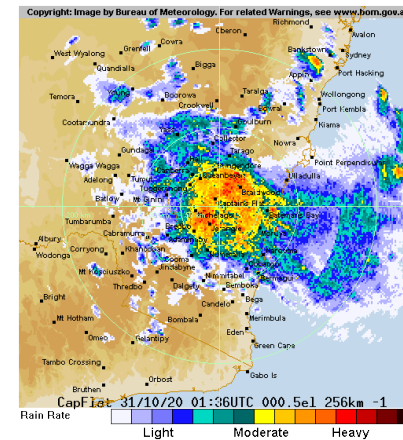
Cherries in a changing climate

What will our orchards look like in 2050?

Jessica Fearnley
NSW DPIRD Development Officer - Cherry



The global climate shift

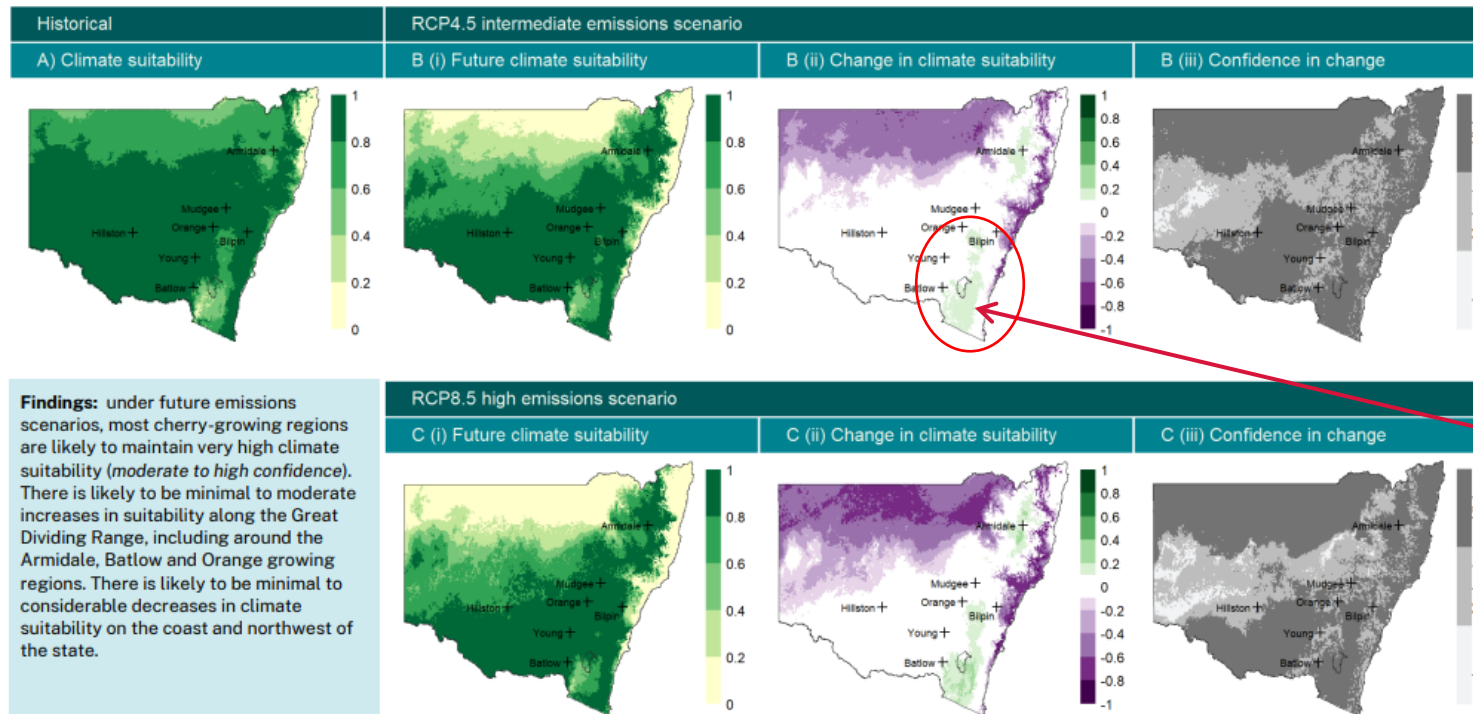


Why are cherries so vulnerable?

- Narrow climate requirements
- Early flowering risk
- Heat-sensitive fruit
- Rainfall damage
- Pollination disruption
- Extreme weather exposure
- Rising pests and diseases
- Limited relocation options
- Time to maturity



We are already seeing the pressure



- Reduction in chill portion accumulation

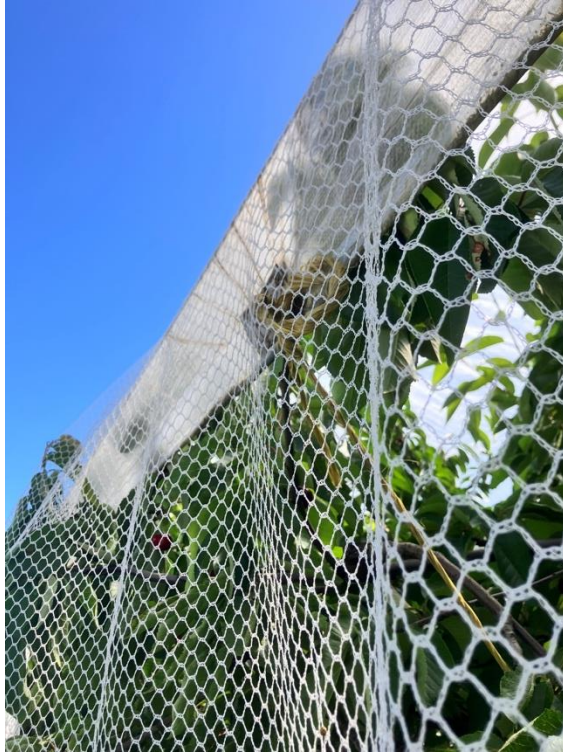
But also
opportunities

The orchard of 2050

- Climate resilient
- Digitally integrated
- Genetically optimised (varieties)
- Water efficient
- Protected and sensor-driven



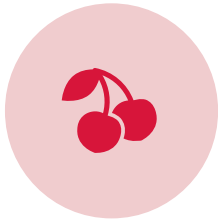
How we going to get to there?



What if we stay put?



DECLINING YIELDS



LOSS OF FRUIT
QUALITY



INCREASED
PRODUCTION
VOLATILY



REDUCED
COMPETITIVENESS



ORCHARD
ABANDONMENT



NO CHERRY 2052.....

A resilient future for cherries

The opportunity

- Climate change is a challenge, but a catalyst for change
- The 2025 orchard is more productive, more efficient and more resilient
- Early adopters will lead the industry
- Investing in research and development to answer our Australian based challenges

The orchards that we are planting today determines the industry we have in 2050.



