

Climate Smart Pilots Horticulture

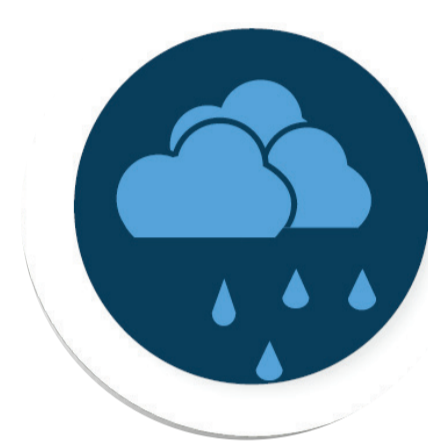
Ian Pearce | Apples and Cherries | Orange NSW

AgTech helped apple producer Ian Pearce improve his decision making and adapt his management practices for a future climate.



**Higher
temperatures**

Days over 32°C to increase
Days under 0°C to decrease



**Increased
rainfall
variability**

Autumn/winter rainfall to increase
Summer/Spring rainfall to decrease

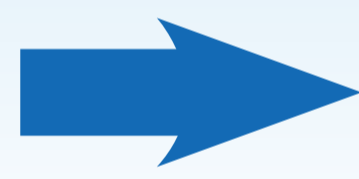


**More extreme
weather events**

Sun damage to fruit to more than
double

Automatic weather stations and temperature sensors provide:

Real-time data
across the farm



- Help plan spray activities
- Better understand future changes



“The data from the sensors motivated me to change my irrigation to drip. Had I changed earlier, it would have saved some of the blocks sacrificed in the drought.”

-Ian Pearce, Producer



Soil Moisture Sensors:

- Tell you how much water is in the soil
- Help you irrigate where it is needed



- Improving water use efficiency
- Allow for better drought preparation

“Digital technology can monitor, predict and automate some decisions, ... leading to economic and environmental sustainability improvements.”

-Jessica Fearnley Temperate
Fruits and Horticulture
Development Officer

Depth and temperature sensors in tanks and Flow Sensors:

- Shows how much water is stored
- Shows how much water is moving



- Allows for more efficient water usage
- Increasing awareness of leaks or wastage



Scan for more
information