



Pistachio Shoot Dieback

Situation Overview

Hypothesis

- Abiotic factors including but not limited to weather, soil, water, topography and geographical location
- Orchard management components; variety, rootstock, training & pruning, irrigation & nutrient management, other practices
- Pathological cause: investigate possible pathological reasons

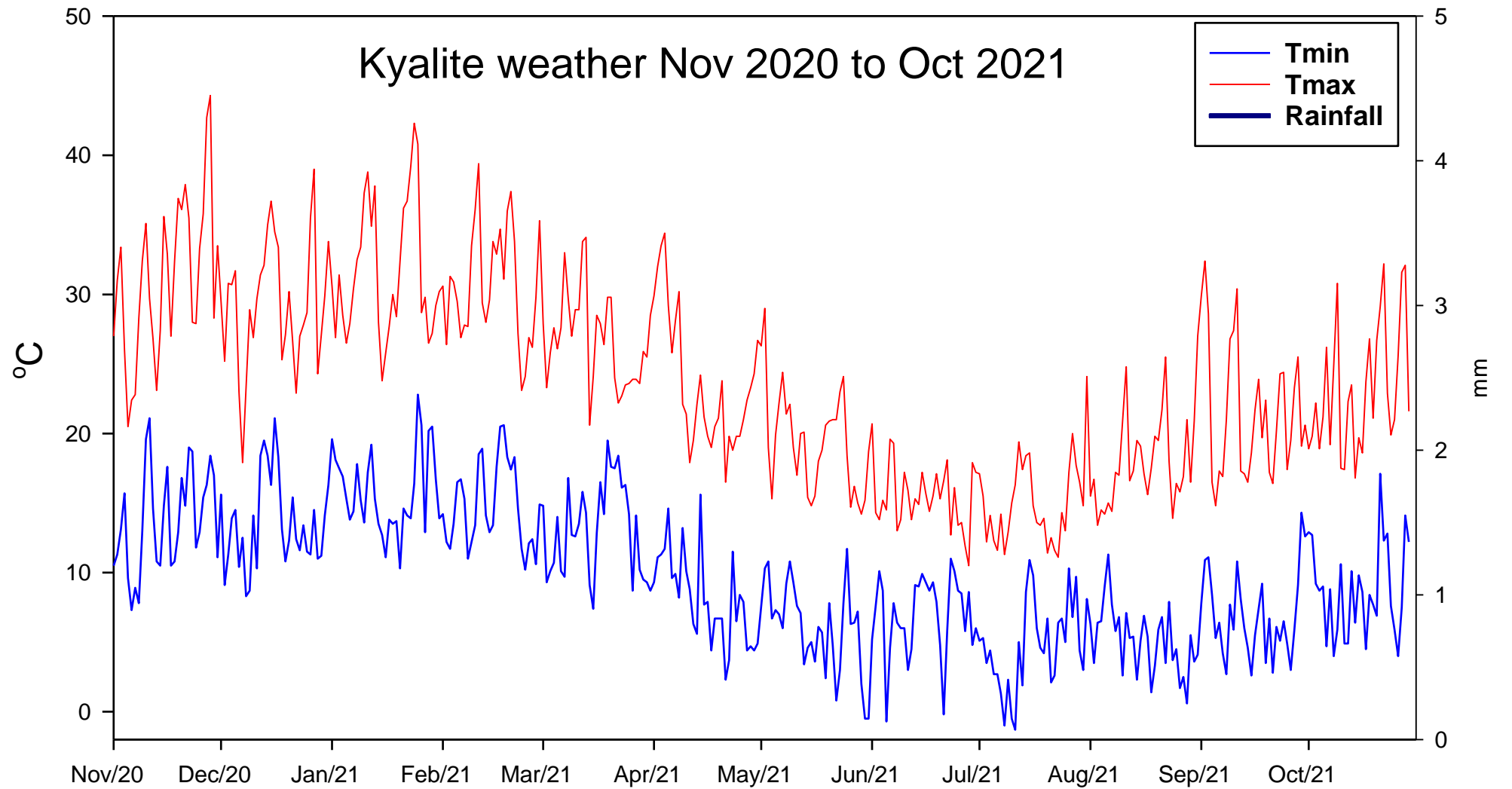
Assess economic impact on the industry

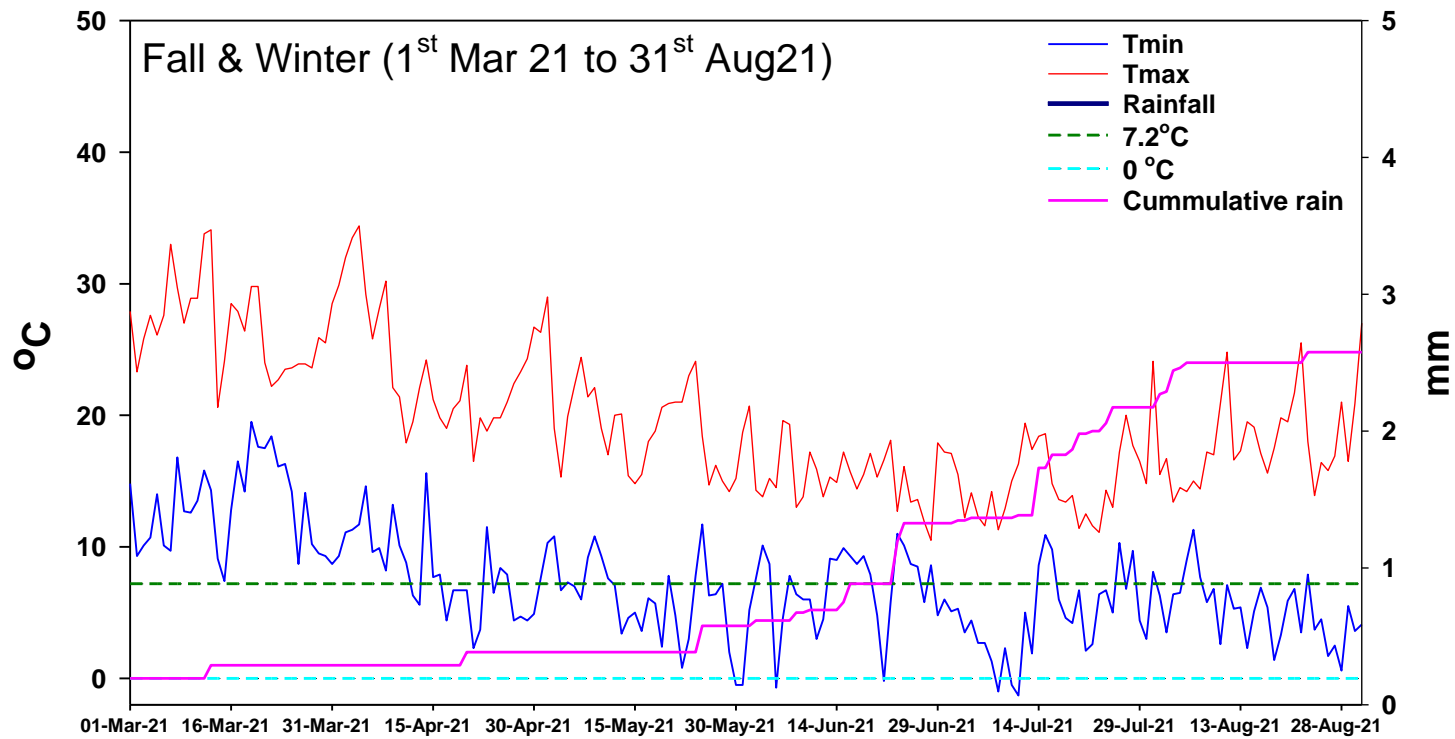


Scenarios - age / extent









SUMMARY	
No. of days less than 0 degrees	7.0
Dates between	30May to 11Jul
Lowest temperature reached	-1.3
Date of lowest temp	11/07/2021
Autumn temp <0 degrees	2 days
	30th & 31st May

Days less than 7.2	98
first dip below 7.2 degrees	21st April
RF (Mar to Aug)	25mm
RF (Mar to Oct)	35mm



RESEARCH PLAN

- Initiative : temperature & RH sensor (~ \$ 475 / unit)
- Survey : Online for chill mitigation
- Shoot dieback : Return the short survey form & I shall follow up to fix a time
- Develop pistachio crop mapping, map, monitor, and model pistachios for Australian conditions
- Review Kerman studies
- Visit orchards & growers

Work as a team with commitment and perseverance

Aim to develop an environmentally and economically sustainable pistachio industry in Australia

THANK YOU



Maha

Researcher
PGAI



Pistachio Growers' Association