



Department of
Primary Industries and
Regional Development

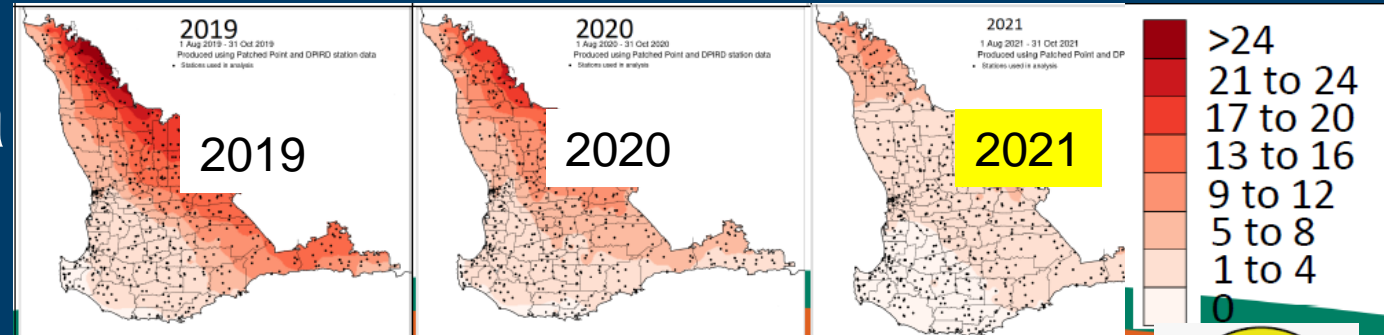
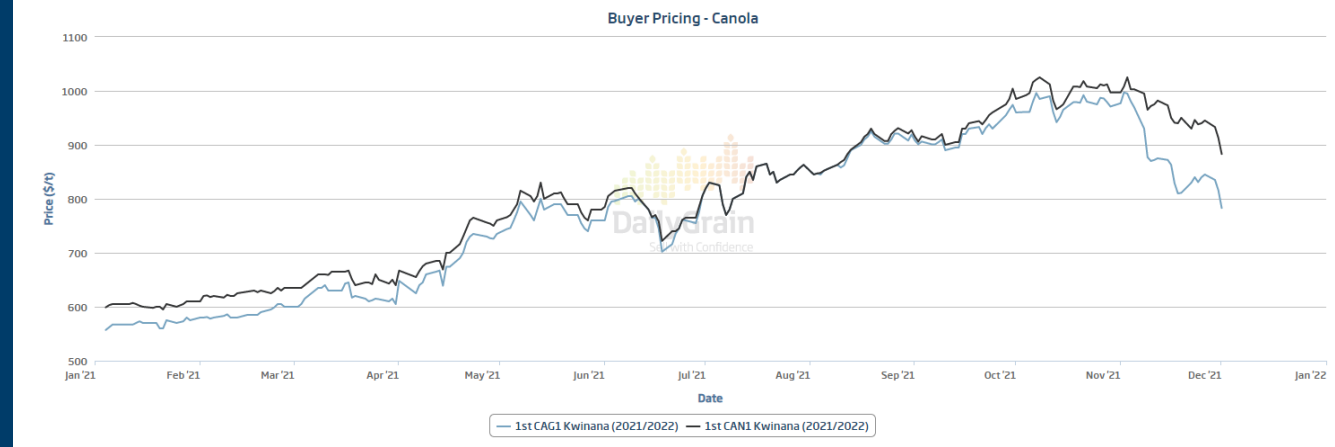
GOVERNMENT OF
WESTERN AUSTRALIA

Canola agronomy update for 2022

Jackie Bucat, DPIRD



Seroja 12th April



2021 canola

- Early break
- High area
- High canola prices
- High inputs
- High yields

Number of days over 30 degrees Aug-Oct



2021

- Early break
- High area
- High prices
- High inputs
- High yields

2022

- High price
- High area
- Changing climate
- Opening break?
- Limited seed & variety choice
- High input prices (N)
- High stubble and disease risk?

Today

- Early sowing recap
- 2021 Establishment research
- 2021 Density research
- 2021 Nitrogen trials
- Disease brief



Department of
**Primary Industries and
Regional Development**

Climate change in WA

- Less rainfall events in autumn
- Less growing season rainfall
- Higher temperatures
- Hot spells: more, longer, hotter

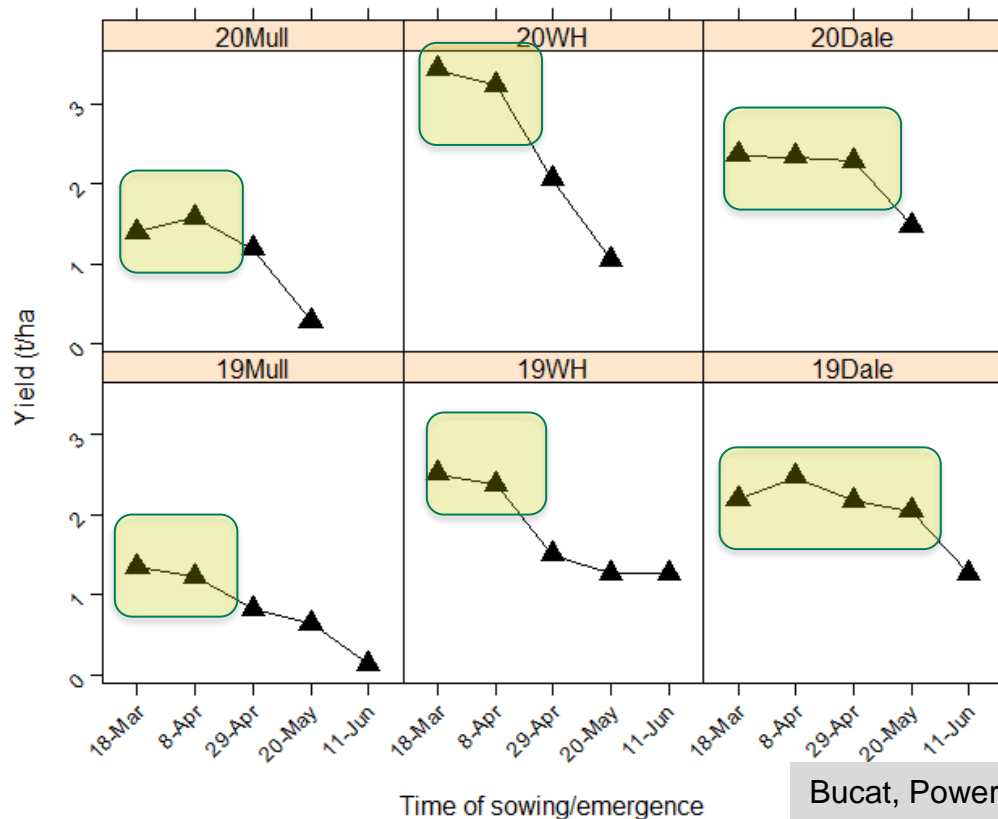


Early sowing research 2019-2020

Key result- Highest yields with sowing 18 March OR 8 April



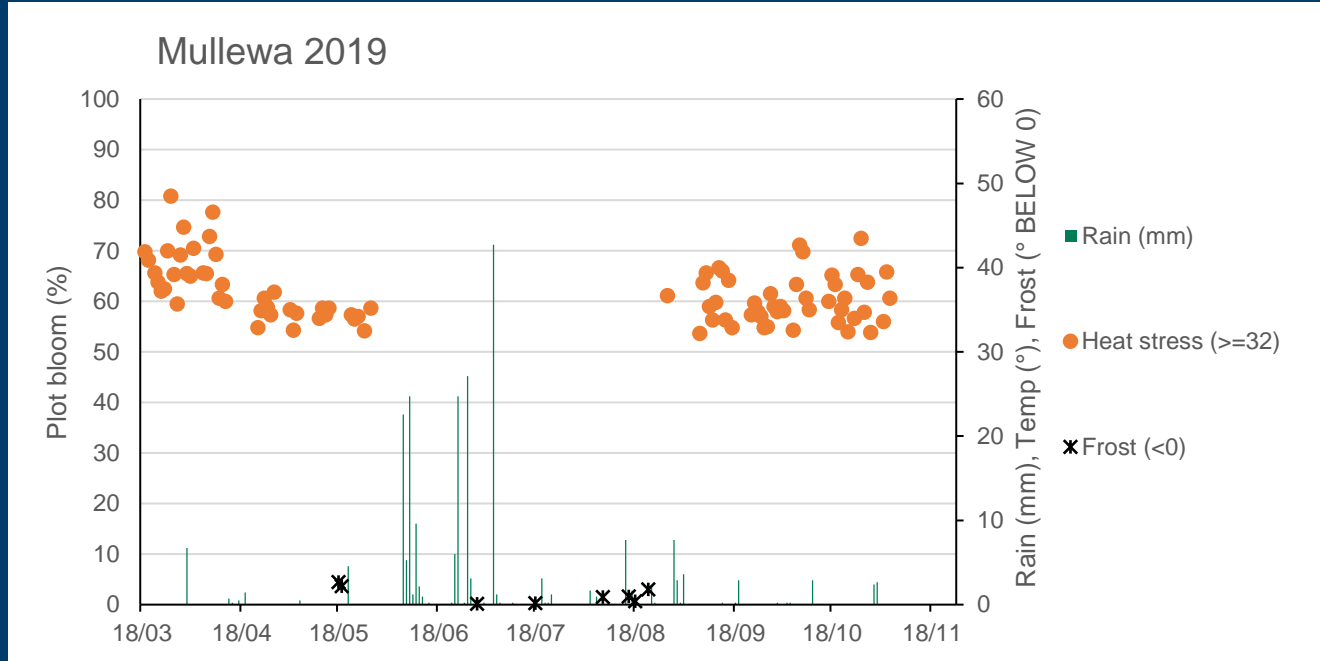
Department of
Primary Industries and
Regional Development



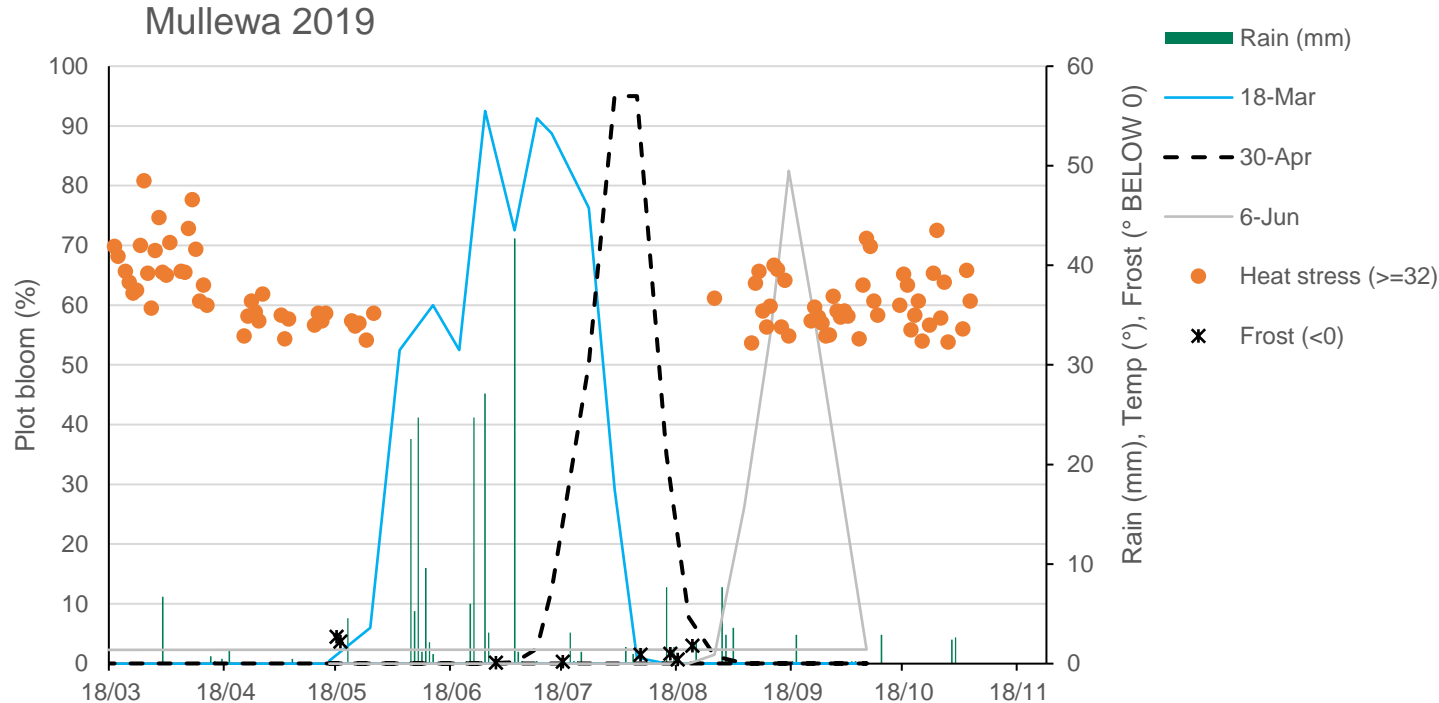
No significant
difference in yields

Irrigation before seeding and
as required for crop survival

Early seeding ATR Bonito at Mullewa



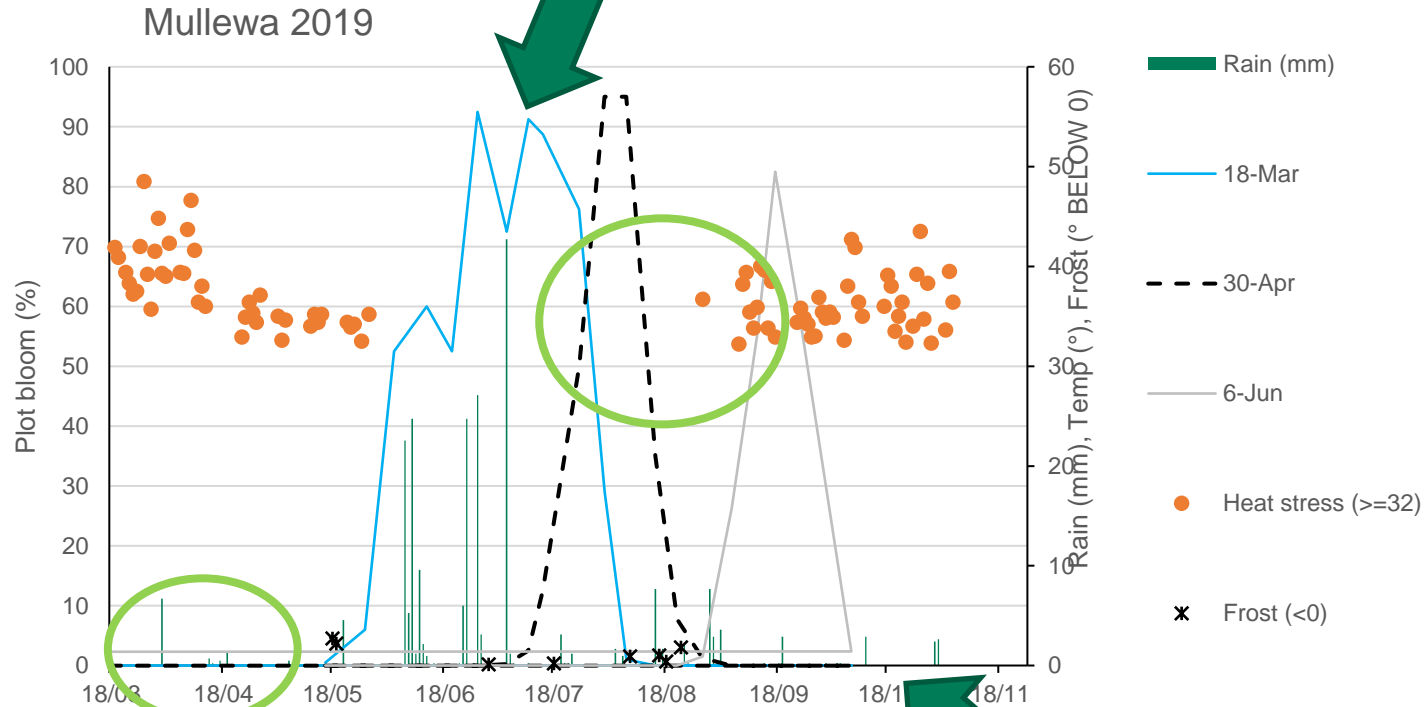
Early seeding ATR Bonito at Mullewa



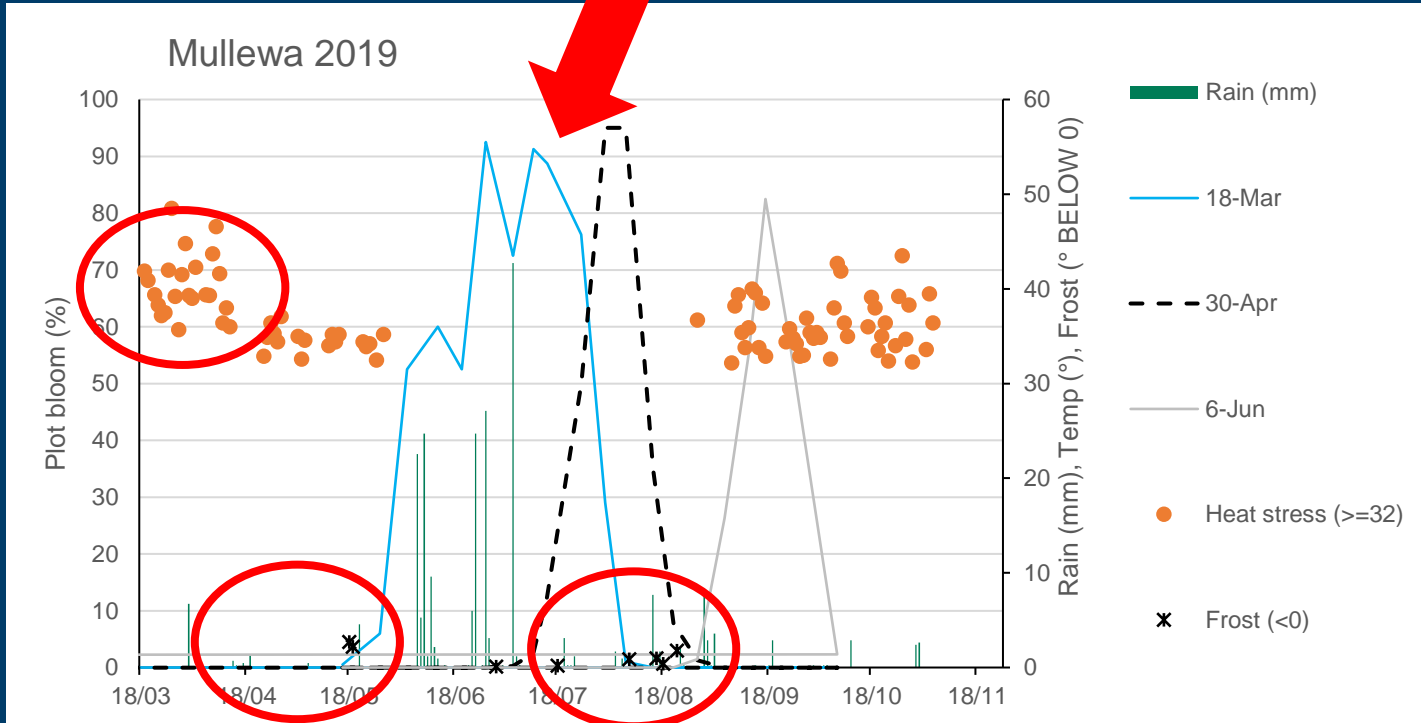
TOS1 18 Mar
TOS2 8 Apr
TOS3 29 Apr
TOS4 20 May
TOS5 6 Jun

Similar
flowering
patterns at
Wongan Hills,
Dale and Grass
Patch

Early seeding ATR Bonito at Mullewa



Early seeding ATR Bonito at Mullewa to avoid climate change stresses



Similar flowering patterns at Wongan Hills, Dale and Grass Patch

Early sowing

- March yields can be as high as early April seeding
- Declining yields after mid April

Rewards

- ✓ Increased chance of capturing early break
- ✓ Reduced chance of high temperatures during critical flowering period
- ✓ High yield potential due to extended flowering
- ✓ Reduced pressure from terminal drought

Higher risks

- Establishment
- Follow up rain
- Frost
- Predation and disease

Where you get very/early sowing opportunity,
evaluate reward and risk for your system and paddock

How early?

Merredin

12th March 2021

