

GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

Grazing crops in winter has little or no impact on grain yield and quality

Philip Barrett-Lennard
20 March 2012



GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

What did we do?

- 7 paired paddock comparisons in 2011
- Binu to Esperance
- Canola, Wheat and Barley
- Sown and managed normally
- Grazed briefly in winter



Binu

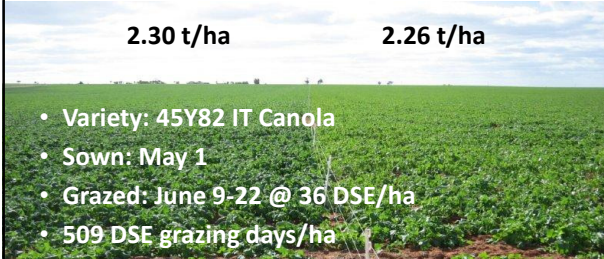
GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

2.30 t/ha 2.26 t/ha

- Variety: 45Y82 IT Canola
- Sown: May 1
- Grazed: June 9-22 @ 36 DSE/ha
- 509 DSE grazing days/ha



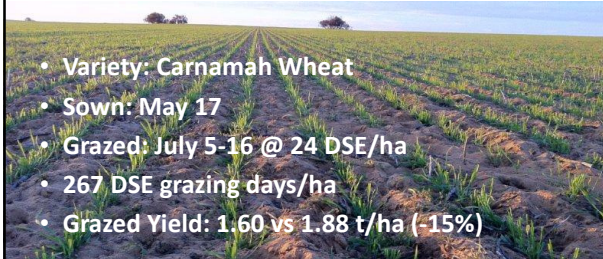
Binu

GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

- Variety: Carnamah Wheat
- Sown: May 17
- Grazed: July 5-16 @ 24 DSE/ha
- 267 DSE grazing days/ha
- Grazed Yield: 1.60 vs 1.88 t/ha (-15%)



Mingenew

GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

4.51 t/ha 4.50 t/ha

- Variety: Wyalkatchem Wheat
- Sown: May 21
- Grazed: July 7-20 @ 17 DSE/ha
- 218 DSE grazing days/ha



Kojonup


GRDC
Grains
Research &
Development
Corporation

Department of
Agriculture and Food

CROP
updates

1.73 t/ha 1.65 t/ha

- Variety: Jardee HT TT Canola
- Sown: April 29
- Grazed: July 6-13 @ 50 DSE/ha
- 373 DSE grazing days/ha



Coomalbidgup

2.60 t/ha 2.75 t/ha

- Variety: Hindmarsh Barley
- Sown: June 1
- Grazed: July 14-21 @ 35 DSE/ha
- 388 DSE grazing days/ha

Dalyup

1.97 t/ha 2.04 t/ha

- Variety: 45Y82, Rocket & 46Y79 IT Canola
- Sown: May 11
- Grazed: July 4-8 @ 39 DSE/ha
- 157 DSE grazing days/ha



Flowering delayed

Neridup

1.33 t/ha 1.51 t/ha

- Variety: Hurricane TT Canola
- Sown: May 12
- Grazed: July 16-25 @ 24 DSE/ha
- 237 DSE grazing days/ha

Summary

Location	Crop	Variety	Sowing date	Stock out	Clip or Crash	Growth stage	Yield Penalty
Binnu	IT Canola	45Y82	1 May	22 June	Clip	Bud 10cm	2%
Binnu	Wheat	Carnamah	17 May	16 July	Crash	Z30	15%
Mingenew	Wheat	Wyalkatchem	21 May	20 July	Clip	Z31	0%
Kojonup	TT Canola	Jardee HT	29 April	13 July	Crash	Bud visible	5%
Coomalbidgup	Barley	Hindmarsh	1 June	21 July	Crash / Clip	Z30-31	5%
Dalyup	IT Canola	45Y82, 44C79 Rocket	11 May	8 July	Crash	6-7 leaf	3%
Neridup	TT Canola	Hurricane	12 May	25 July	Crash	Bud visible	12%

Summary

Location	Crop	Variety	Sowing date	Stock out	Clip or Crash	Growth stage	Yield Penalty
Binnu	IT Canola	45Y82	1 May	22 June	Clip	Bud 10cm	2%
Binnu	Wheat	Carnamah	17 May	16 July	Crash	Z30	15%
Mingenew	Wheat	Wyalkatchem	21 May	20 July	Clip	Z31	0%
Kojonup	TT Canola	Jardee HT	29 April	13 July	Crash	Bud visible	5%
Coomalbidgup	Barley	Hindmarsh	1 June	21 July	Crash / Clip	Z30-31	5%
Dalyup	IT Canola	45Y82, 44C79 Rocket	11 May	8 July	Crash	6-7 leaf	3%
Neridup	TT Canola	Hurricane	12 May	25 July	Crash	Bud visible	12%

Key messages

- Grazing had little or no impact on grain yield and quality
- Yield penalties occurred when grazing was relatively late and hard
- Crops provided valuable winter grazing



Tips for 2012...

1. All cereal and canola varieties can be grazed
2. Sow as early as possible to maximise feed supply
3. Choose clean paddocks when grazing cereals
4. Select the right variety for the sowing date
5. Grazing canola exacerbates Blackleg, so choose R and MR varieties
6. Adhere to WHP's for chemicals
7. Graze early (pinch & twist) and evenly
8. Supplement stock with Ca:Na:Mg (cereals) and fibre (canola)
9. Don't graze too late (before GS 30, Bud 10cm and mid-late July)
10. Clip rather than crash graze when approaching Z30 or Bud 10cm
11. Apply top-up Nitrogen after grazing, not before
12. Think strategically and develop your crop grazing plan now...



Questions?

Philip Barrett-Lennard
0429 977 042
phil@agvivo.com.au
www.grainandgraze2.com.au

