

Feed on Offer Photo Library

Use in conjunction with the Lifetime Ewe Management feed budgeting tables available at lifetimewool.com.au



Cereal crop FOO values

Grazing cereals is common in many regions. The following relationships between Green cereal height and the FOO values have been supplied by the Grain and Graze project. Full details of grazing and use of cereals by livestock can be found at www.grainandgraze2.com.au

If the crop is less than 25 cm tall, sown at 17.5 cm spacing, use the relationship below between crop type, height and yield. For all green cereals, the energy content is usually 11-12 MJ/kg (72-78% Digestibility).

Wheat:	Each 1 cm = 60 kg/ha, Feed on Offer	For 15 cm rows add 10% to the FOO values.
Barley:	Each 1 cm = 75 kg/ha, Feed On Offer	For 20 cm rows reduce the FOO values by 10%.
Triticale:	Each 1 cm = 65 kg/ha, Feed On Offer	

Lifetime Ewe Management

The FOO Library was developed by Australian Wool Innovation and the Rural Industries Skills Training Centre to help people undertaking the Lifetime Ewe Management course. Further details can be found at;

Australian Wool Innovation: www.wool.com

RIST Centre: www.rist.com.au

Lifetime Ewe Management: www.rist.com.au/lifetime_ewe_management

FOO Library Collaborators

The FOO Library project was established and managed by Geoffrey Saul, PSA Services Hamilton. Darren Gordon, Coordinator of Lifetime Ewe Management managed interaction between RIST, Lifetime Ewe and the Library. Assistance and comments were provided by Anita Morant, Kirsty Kennedy and Tim Prance.

Many public and private research and extension officers across Australia assisted in the project including:

Victoria; Margaret Raeside, Steve Clark, Lisa Warn, Anita Morant, Meredith Mitchell, Ken Wilson

New South Wales; Luke Harrison, Ben Watts, Sue Boschma, Garry Armstrong

Queensland; David Counsell

Western Australia; Eric Dobbe, Rodger Bryant, Matthew Young, Jonathon England, Mandy Curnow, Mike Hyder

South Australia; Tim Prance, Daniel Schuppan

AWI, RIST, Lifetime Ewe Management, PSA Services and the individual officers who provided photos and data for the library, accept no liability whatsoever by reason of negligence or otherwise arising from the use of or release of this information or any part of it.

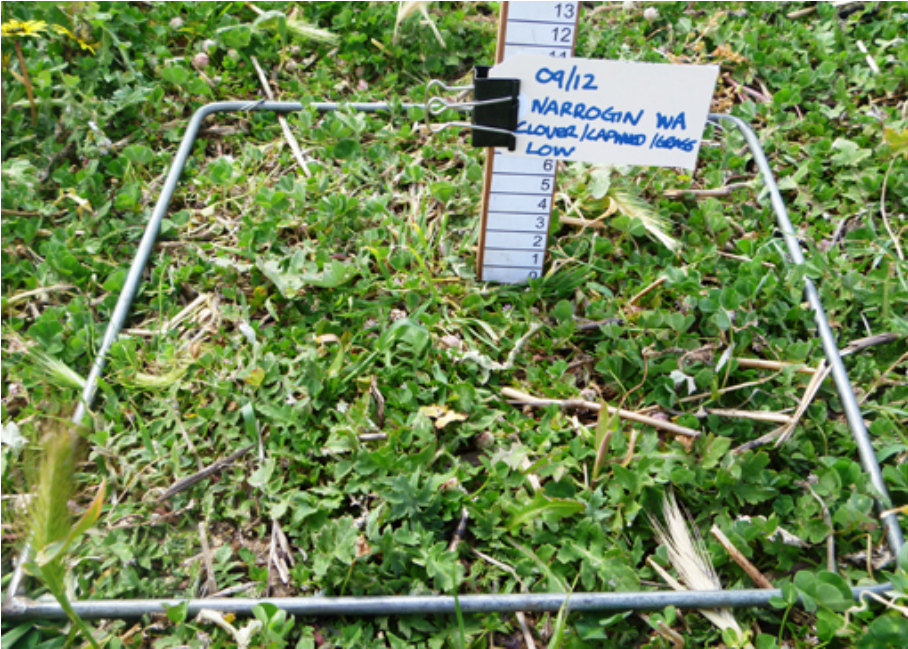



Lifetime Ewe Management



Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

201RB-2012-09-1910.30.01




	Green	Dead
Feed On Offer (kg/ha):	2,450	0
Digestibility (%):	78	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.8	NA
Sheep Intake (MJ/day):	15.0	
50kg dry, Condition score 3		
Crude Protein (%):	15	NA
Pasture Height (cm):	2	0
Ground Cover (%):	95	
Legume (%):	50	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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202RB-2012-09-1910.02.51




	Green	Dead
Feed On Offer (kg/ha):	2,890	0
Digestibility (%):	73	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	NA
Sheep Intake (MJ/day):	16.6	
50kg dry, Condition score 3		
Crude Protein (%):	17	NA
Pasture Height (cm):	4	0
Ground Cover (%):	100	
Legume (%):	80	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

203RB-2012-09-1910.17.27




	Green	Dead
Feed On Offer (kg/ha):	3,290	0
Digestibility (%):	73	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11	NA
Sheep Intake (MJ/day):	16.3	
50kg dry, Condition score 3		
Crude Protein (%):	14	NA
Pasture Height (cm):	5	0
Ground Cover (%):	100	
Legume (%):	50	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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204RB-2012-09-1910.39.17




	Green	Dead
Feed On Offer (kg/ha):	4,249	0
Digestibility (%):	79	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	16.4	
50kg dry, Condition score 3		
Crude Protein (%):	15	NA
Pasture Height (cm):	7	0
Ground Cover (%):	100	
Legume (%):	18	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

205-1000FOOmixedspring




	Green	Dead
Feed On Offer (kg/ha):	1,000	0
Digestibility (%):	78	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.6	NA
Sheep Intake (MJ/day):	11.7	
50kg dry, Condition score 3		
Crude Protein (%):	24	NA
Pasture Height (cm):	1.5	0
Ground Cover (%):	90	
Legume (%):	10	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	Nutritive values estimated from previous work in the region
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207-1800FOOmixspr




	Green	Dead
Feed On Offer (kg/ha):	1,800	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	14.9	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	1.5	0
Ground Cover (%):	100	
Legume (%):	99	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	Nutritive values estimated from previous work in the region
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

208-1800mixedspring




	Green	Dead
Feed On Offer (kg/ha):	1,800	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15.4	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	2	0
Ground Cover (%):	100	
Legume (%):	95	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	Nutritive values estimated from previous work in the region
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209-2000FOOgrass-spr




	Green	Dead
Feed On Offer (kg/ha):	2,000	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	14.6	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	4	0
Ground Cover (%):	99	
Legume (%):	1	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Annual ryegrass	

Comments	Nutritive values estimated from previous work in the region
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

210-2500foomixed-spring




	Green	Dead
Feed On Offer (kg/ha):	2,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15.3	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	3	0
Ground Cover (%):	100	
Legume (%):	50	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	Nutritive values estimated from previous work in the region
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211-2500foomixed-spring1




	Green	Dead
Feed On Offer (kg/ha):	2,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15.1	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	2.5	0
Ground Cover (%):	100	
Legume (%):	50	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	Nutritive values estimated from previous work in the region
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

212-2500FOOcloverspring




	Green	Dead
Feed On Offer (kg/ha):	2,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	16.0	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	2.5	0
Ground Cover (%):	100	
Legume (%):	95	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	Nutritive values estimated from previous work in the region
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213-3500FOO-mixed




	Green	Dead
Feed On Offer (kg/ha):	3,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15.3	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	3	0
Ground Cover (%):	100	
Legume (%):	30	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	Nutritive values estimated from previous work in the region
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

214-1200FOO-cloverspr




	Green	Dead
Feed On Offer (kg/ha):	1,200	0
Digestibility (%): Equivalent to	80	NA
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	12.1	
Crude Protein (%):	27	NA
Pasture Height (cm):	1	0
Ground Cover (%):	95	
Legume (%):	70	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub Clover	

Comments	Nutritive values estimated from previous work in the region
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249-Dobbe_oct_KHA




	Green	Dead
Feed On Offer (kg/ha):	1,950	30
Digestibility (%): Equivalent to	73	56
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.4	
Crude Protein (%):	24	13
Pasture Height (cm):	6	1
Ground Cover (%):	100	
Legume (%):	70	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

250-Dobbe_Oct_KLA




	Green	Dead
Feed On Offer (kg/ha):	1,090	130
Digestibility (%):	73	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day):	12.5	
50kg dry, Condition score 3		
Crude Protein (%):	25	13
Pasture Height (cm):	3	1
Ground Cover (%):	100	
Legume (%):	30	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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251-Dobbe_Oct_KMA




	Green	Dead
Feed On Offer (kg/ha):	1,600	60
Digestibility (%):	73	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day):	15.0	
50kg dry, Condition score 3		
Crude Protein (%):	25	13
Pasture Height (cm):	6	1
Ground Cover (%):	100	
Legume (%):	40	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Spring Annual Pastures

252-Dobbe_Oct_KVHA




	Green	Dead
Feed On Offer (kg/ha):	2,800	90
Digestibility (%):	73	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day):	13.8	
50kg dry, Condition score 3		
Crude Protein (%):	24	13
Pasture Height (cm):	10	1
Ground Cover (%):	100	
Legume (%):	80	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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275-MY-BruceRock-October2012-H



	Green	Dead
Feed On Offer (kg/ha):	0	6,800
Digestibility (%):	NA	47
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.4
Sheep Intake (MJ/day):	5.7	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4
Pasture Height (cm):	NA	6
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	Central Wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Annual grass	


Comments	Sample bulked with Medium sample for analysis - stubble stalks included
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Lifetime Ewe Management - FOO Library Results

WA Spring Annual Pastures

276-MY-BruceRock-October032012-L




	Green	Dead
Feed On Offer (kg/ha):	0	920
Digestibility (%):	NA	43
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	5.7
Sheep Intake (MJ/day):	1.7	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4
Pasture Height (cm):	NA	1
Ground Cover (%):	20	
Legume (%):	0	
State:	WA	
Location:	Central Wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Annual grass	

Comments	Stubble stalks included in sample for analysis
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277-MY-BruceRock-October022012-M



	Green	Dead
Feed On Offer (kg/ha):	0	5,470
Digestibility (%):	NA	47
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.4
Sheep Intake (MJ/day):	4.8	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4
Pasture Height (cm):	NA	3
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	Central Wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Annual grass	

Comments	Sample bulked with High sample for analysis- stubble stalks included
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