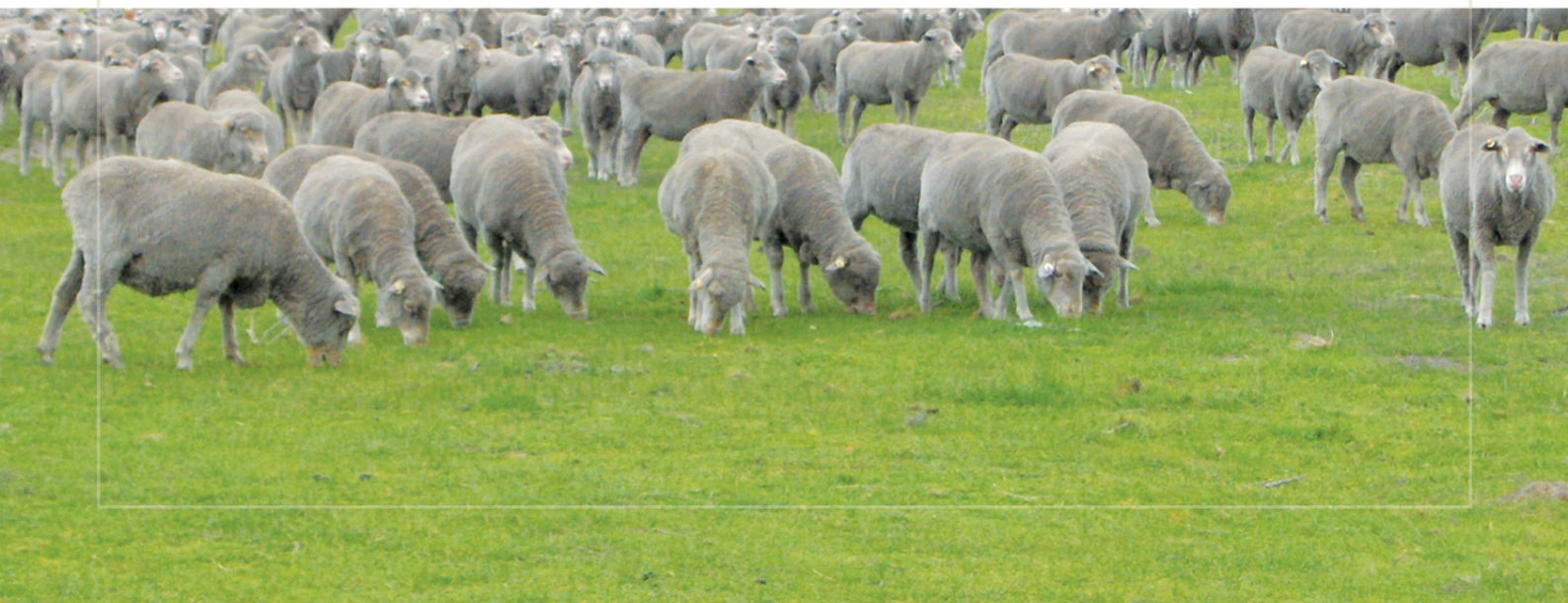


Feed on Offer Photo Library

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
NSW Summer

346sbTPGsummer-v-high




	Green	Dead
Feed On Offer (kg/ha):	2,050	3,350
Digestibility (%):	60	39
Equivalent to		
Metabolizable Energy (MJ/kg):	8.7	5.1
Sheep Intake (MJ/day):	11.7	
50kg dry, Condition score 3		
Crude Protein (%):	8	4.1
Pasture Height (cm):	7	7
Ground Cover (%):	98	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Digit grass	

Comments	Sample taken during a very dry summer period, would normally be quite green
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347sbTPGsummer-highQ1




	Green	Dead
Feed On Offer (kg/ha):	1,280	3,400
Digestibility (%):	60	39
Equivalent to		
Metabolizable Energy (MJ/kg):	8.7	5.1
Sheep Intake (MJ/day):	11.3	
50kg dry, Condition score 3		
Crude Protein (%):	8	4.1
Pasture Height (cm):	6	8
Ground Cover (%):	100	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Digit grass	

Comments	Sample taken during a very dry summer period, would normally be quite green
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Lifetime Ewe Management - FOO Library Results
NSW Summer

348sbTPGsummer-med




	Green	Dead
Feed On Offer (kg/ha):	830	3,340
Digestibility (%):	54	40
Equivalent to		
Metabolizable Energy (MJ/kg):	7.7	5.2
Sheep Intake (MJ/day):	8.5	
50kg dry, Condition score 3		
Crude Protein (%):	10	4.8
Pasture Height (cm):	4	5
Ground Cover (%):	100	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Digit grass	

Comments	Sample taken during a very dry summer period, would normally be quite green
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349sbTPGsummer-low




	Green	Dead
Feed On Offer (kg/ha):	580	3,090
Digestibility (%):	54	40
Equivalent to		
Metabolizable Energy (MJ/kg):	7.7	5.2
Sheep Intake (MJ/day):	8	
50kg dry, Condition score 3		
Crude Protein (%):	10	4.8
Pasture Height (cm):	3	3
Ground Cover (%):	95	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Digit grass	

Comments	Sample taken during a very dry summer period, would normally be quite green
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Lifetime Ewe Management - FOO Library Results
NSW Summer

350sbTPGsummer-highQ3




	Green	Dead
Feed On Offer (kg/ha):	1,180	3,600
Digestibility (%):	62	52
Equivalent to		
Metabolizable Energy (MJ/kg):	9	7.3
Sheep Intake (MJ/day):	11.6	
50kg dry, Condition score 3		
Crude Protein (%):	14	13.5
Pasture Height (cm):	5	2
Ground Cover (%):	98	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Digit grass	

Comments	Pasture sampled following rainfall so greener
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351sbNLRIMG0333




	Green	Dead
Feed On Offer (kg/ha):	420	1,070
Digestibility (%):	55	30
Equivalent to		
Metabolizable Energy (MJ/kg):	7.8	2.9
Sheep Intake (MJ/day):	5.5	
50kg dry, Condition score 3		
Crude Protein (%):	13	10.3
Pasture Height (cm):	2	2
Ground Cover (%):	75	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Blue grass	

Comments	Sample taken during a very dry summer period; samples taken <1 wk after grazing
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Lifetime Ewe Management - FOO Library Results
NSW Summer

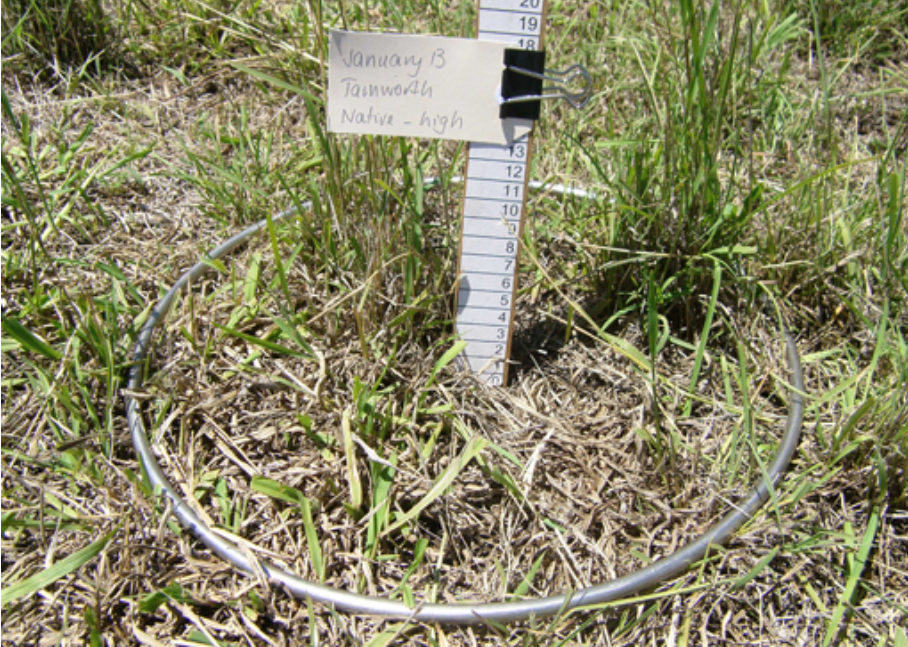
352sbNMRIMG0331




	Green	Dead
Feed On Offer (kg/ha):	1,130	1,390
Digestibility (%):	55	30
Equivalent to		
Metabolizable Energy (MJ/kg):	7.8	2.9
Sheep Intake (MJ/day):	7.8	
50kg dry, Condition score 3		
Crude Protein (%):	13	10.3
Pasture Height (cm):	4	2
Ground Cover (%):	85	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Blue grass	

Comments	Sample taken during a very dry summer period; samples taken <1 wk after grazing
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353sbNHRIMG0347




	Green	Dead
Feed On Offer (kg/ha):	1,430	2,380
Digestibility (%):	60	33
Equivalent to		
Metabolizable Energy (MJ/kg):	8.8	4.1
Sheep Intake (MJ/day):	10.4	
50kg dry, Condition score 3		
Crude Protein (%):	10	7.4
Pasture Height (cm):	5	3
Ground Cover (%):	98	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Blue grass	

Comments	Sample taken during a very dry summer period; samples taken <1 wk after grazing
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Lifetime Ewe Management - FOO Library Results
NSW Summer

354sbNVHRIMG0335




	Green	Dead
Feed On Offer (kg/ha):	2,170	3,030
Digestibility (%):	60	33
Equivalent to		
Metabolizable Energy (MJ/kg):	8.8	4.1
Sheep Intake (MJ/day):	12.1	
50kg dry, Condition score 3		
Crude Protein (%):	10	7.4
Pasture Height (cm):	10	10
Ground Cover (%):	100	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Blue grass	

Comments	Sample taken during a very dry summer period; pasture slashed at end of winter
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396gaCottonbush2




	Green	Dead
Feed On Offer (kg/ha):	650	0
Digestibility (%):	51	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	7.1	NA
Sheep Intake (MJ/day):	8	
50kg dry, Condition score 3		
Crude Protein (%):	11	NA
Pasture Height (cm):	100	0
Ground Cover (%):	60	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Cotton bush	

Comments	Combined wet chemistry and NIR analysis, Adelaide assessment method used to calculate FOO
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Lifetime Ewe Management - FOO Library Results
NSW Summer

397gaDanthonia




	Green	Dead
Feed On Offer (kg/ha):	0	2,000
Digestibility (%): Equivalent to	NA	39
Metabolizable Energy (MJ/kg):	NA	5.2
Sheep Intake (MJ/day): 50kg dry, Condition score 3	5.3	
Crude Protein (%):	NA	5.4
Pasture Height (cm):	NA	20
Ground Cover (%):	80	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	5 months since any significant rain
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398gaDillon-bush-no-Berry




	Green	Dead
Feed On Offer (kg/ha):	900	0
Digestibility (%): Equivalent to	62	NA
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.6	
Crude Protein (%):	20	NA
Pasture Height (cm):	200	0
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Dillon bush - leaf	

Comments	Combined wet chemistry and NIR analysis, Adelaide assessment method used to calculate FOO
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399Dillon-Bush-Berry



	Green	Dead
Feed On Offer (kg/ha):	900	0
Digestibility (%): Equivalent to	69	NA
Metabolizable Energy (MJ/kg):	10.8	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.3	
Crude Protein (%):	14	NA
Pasture Height (cm):	200	0
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Dillon bush - berry	

Comments	Wet chemistry analysis undertaken Adelaide assessment method used to calculate FOO
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