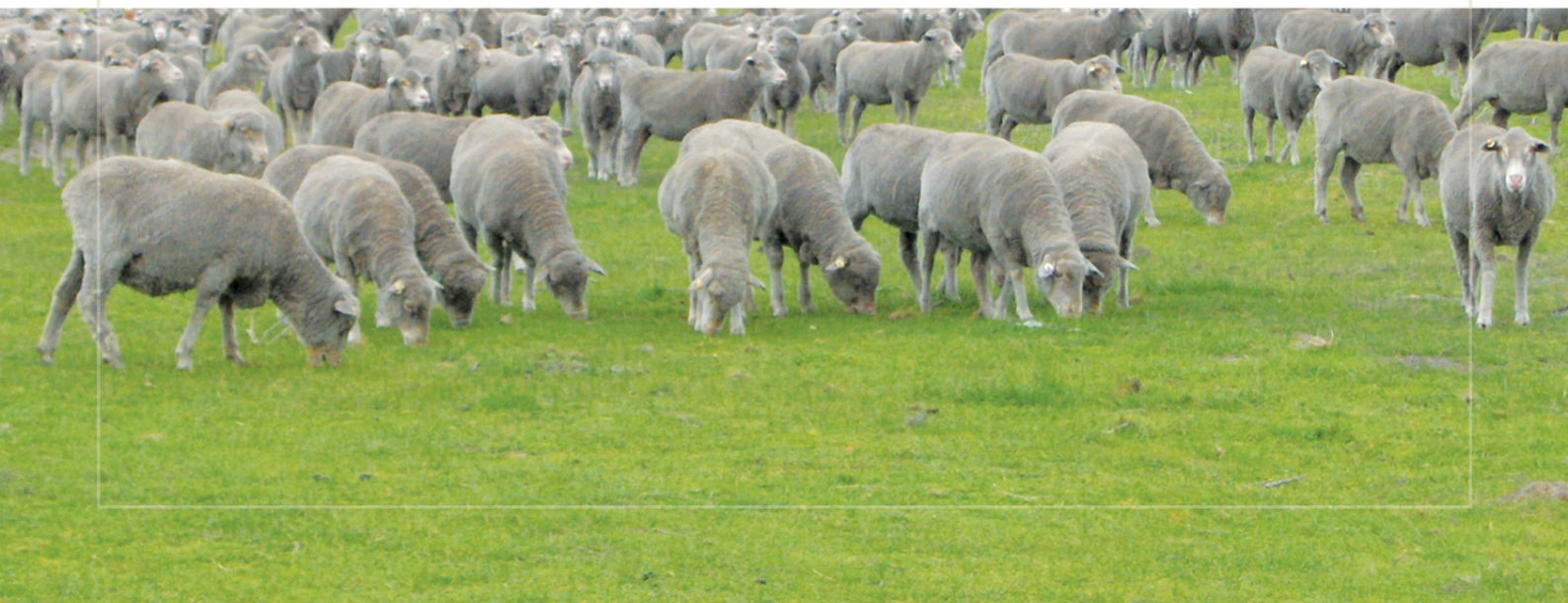


Feed on Offer Photo Library

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

Wallaby grass

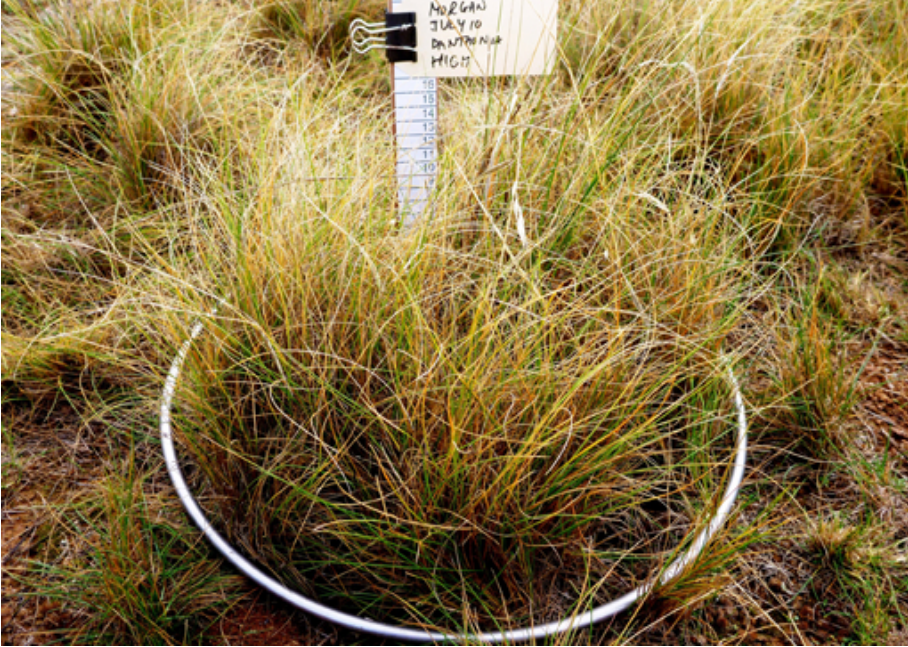
10TP-Morgan-July2012-danthonia




	Green	Dead
Feed On Offer (kg/ha):	1,200	1,800
Digestibility (%):	63	44
Equivalent to		
Metabolizable Energy (MJ/kg):	9.2	5.9
Sheep Intake (MJ/day):	10	
50kg dry, Condition score 3		
Crude Protein (%):	14	8.2
Pasture Height (cm):	5	8.0
Ground Cover (%):	80	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	More than 1 years growth
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11TP-Morgan-July2012-danthonia



	Green	Dead
Feed On Offer (kg/ha):	2,400	3,700
Digestibility (%):	63	45
Equivalent to		
Metabolizable Energy (MJ/kg):	9.2	6.1
Sheep Intake (MJ/day):	11	
50kg dry, Condition score 3		
Crude Protein (%):	14	7.9
Pasture Height (cm):	8	8.0
Ground Cover (%):	100	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	


Comments	More than 1 years growth
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

215-Morgan-August2012-danthonia-high




	Green	Dead
Feed On Offer (kg/ha):	1,270	3,800
Digestibility (%):	58	48
Equivalent to		
Metabolizable Energy (MJ/kg):	8.4	6.7
Sheep Intake (MJ/day):	10.3	
50kg dry, Condition score 3		
Crude Protein (%):	8	5
Pasture Height (cm):	12	12
Ground Cover (%):	90	
Legume (%):	1	
State:	SA	
Location:	Riverlands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	
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216-Morgan-August2012-danthonia-low




	Green	Dead
Feed On Offer (kg/ha):	170	270
Digestibility (%):	58	48
Equivalent to		
Metabolizable Energy (MJ/kg):	8.4	6.7
Sheep Intake (MJ/day):	5.7	
50kg dry, Condition score 3		
Crude Protein (%):	8	5
Pasture Height (cm):	3	2
Ground Cover (%):	60	
Legume (%):	1	
State:	SA	
Location:	Riverlands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	
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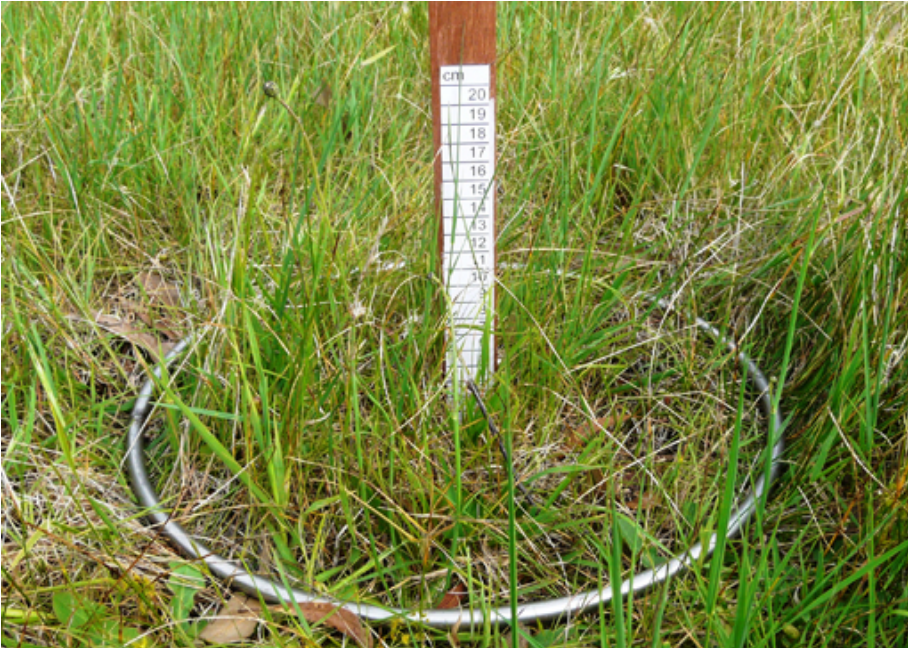
217-Morgan-August2012-danthonia-medium




	Green	Dead
Feed On Offer (kg/ha):	480	1,100
Digestibility (%):	58	48
Equivalent to		
Metabolizable Energy (MJ/kg):	8.4	6.7
Sheep Intake (MJ/day):	7.7	
50kg dry, Condition score 3		
Crude Protein (%):	8	5
Pasture Height (cm):	4	5
Ground Cover (%):	70	
Legume (%):	1	
State:	SA	
Location:	Riverlands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	
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223-MS-P1020117-AL



	Green	Dead
Feed On Offer (kg/ha):	1,800	200
Digestibility (%):	63	51
Equivalent to		
Metabolizable Energy (MJ/kg):	9.2	7.1
Sheep Intake (MJ/day):	10.2	
50kg dry, Condition score 3		
Crude Protein (%):	9	8
Pasture Height (cm):	8	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Wallaby grass	


Comments	
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

308msLAPP1020202




	Green	Dead
Feed On Offer (kg/ha):	100	400
Digestibility (%):	72	49
Equivalent to		
Metabolizable Energy (MJ/kg):	10.8	6.8
Sheep Intake (MJ/day):	11.9	
50kg dry, Condition score 3		
Crude Protein (%):	16	4.1
Pasture Height (cm):	4	5
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Wallaby grass	

Comments	Driest summer on record in south west Vic, Feb 13
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386TPMorganFebruary2013Danthoniahigh



	Green	Dead
Feed On Offer (kg/ha):	0	4,600
Digestibility (%):	NA	45
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.2
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4.7
Pasture Height (cm):	0	10
Ground Cover (%):	100	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	


Comments	No useful rainfall since July 2012
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

387tpMorganFebruary2013Danthonialow




	Green	Dead
Feed On Offer (kg/ha):	0	2,800
Digestibility (%):	NA	45
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.2
Sheep Intake (MJ/day):	4.3	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4.7
Pasture Height (cm):	0	2
Ground Cover (%):	80	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	No useful rainfall since July 2012
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388tpMorganFebruary2013Danthoniamedium




	Green	Dead
Feed On Offer (kg/ha):	0	2,900
Digestibility (%):	NA	45
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.2
Sheep Intake (MJ/day):	5.9	
50kg dry, Condition score 3		
Crude Protein (%):	NA	4.7
Pasture Height (cm):	0	6
Ground Cover (%):	80	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	No useful rainfall since July 2012
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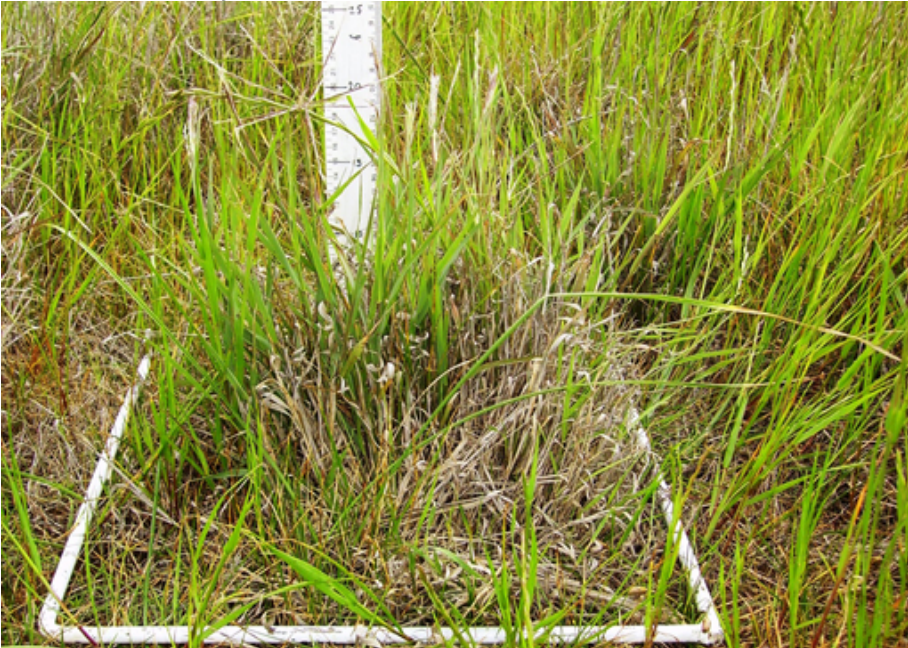
397gaDanthonia




	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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525GADanthonia-Early-wint13



	Green	Dead
Feed On Offer (kg/ha):	1000	900
Digestibility (%): Equivalent to	38	36
Metabolizable Energy (MJ/kg):	4.8	4.1
Sheep Intake (MJ/day): 50kg dry, Condition score 3	7.6	
Crude Protein (%):	11	5
Pasture Height (cm):	20	15
Ground Cover (%):	60	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	


Comments	Early new growth after spring rain. Wet chemistry
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

526GADanthonia_wint13




	Green	Dead
Feed On Offer (kg/ha):	650	5000
Digestibility (%):	31	34
Equivalent to		
Metabolizable Energy (MJ/kg):	3.8	3.8
Sheep Intake (MJ/day):	9.2	
50kg dry, Condition score 3		
Crude Protein (%):	6	5
Pasture Height (cm):	30	20
Ground Cover (%):	80	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	Wet chemistry. Early spring after low rainfall
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604EG-AUT-Wallaby900kg25green



	Green	Dead
Feed On Offer (kg/ha):	225	675
Digestibility (%):	68	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	7
Sheep Intake (MJ/day):	7.8	
50kg dry, Condition score 3		
Crude Protein (%):	20	7
Pasture Height (cm):	2	3
Ground Cover (%):	50	
Legume (%):	0	
State:	VIC	
Location:	North East	
Climate Zone:	Mediterranean	
Major Species:	Wallaby grass	


Comments	Photos supplied by the EverGraze project, nutritive values based on published data
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

605EG-AUT-Wallaby2900kg40green




	Green	Dead
Feed On Offer (kg/ha):	1160	1740
Digestibility (%):	68	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	7
Sheep Intake (MJ/day):	12.0	
50kg dry, Condition score 3		
Crude Protein (%):	20	7
Pasture Height (cm):	7	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North East	
Climate Zone:	Mediterranean	
Major Species:	Wallaby grass	

Comments	Photos supplied by the EverGraze project, nutritive values based on published data
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616EG-SUMM-Wallaby900kg25green



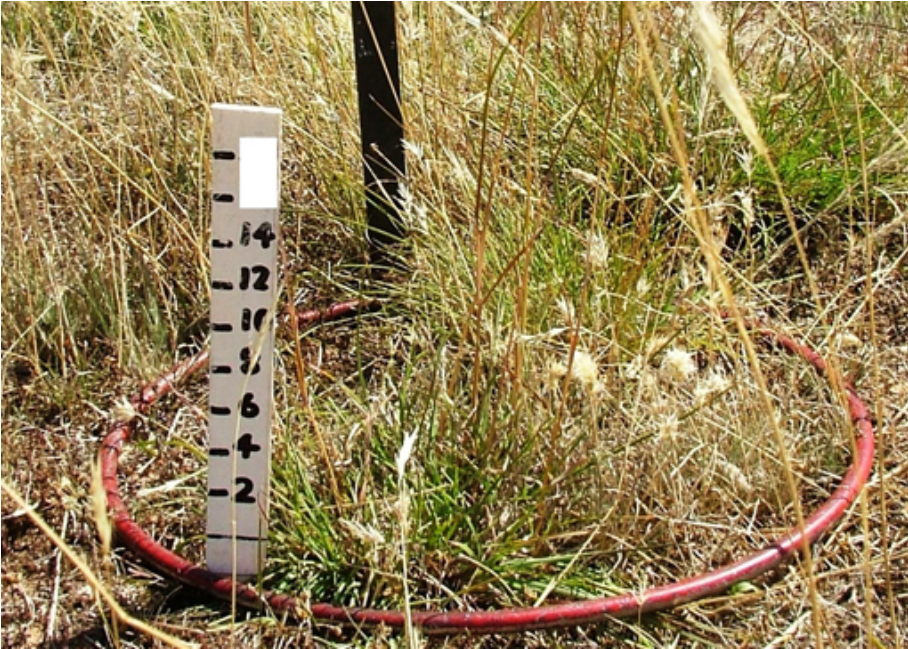
	Green	Dead
Feed On Offer (kg/ha):	225	675
Digestibility (%):	67	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.2	4
Sheep Intake (MJ/day):	7.4	
50kg dry, Condition score 3		
Crude Protein (%):	9	4
Pasture Height (cm):	3	4
Ground Cover (%):	50	
Legume (%):	0	
State:	VIC	
Location:	North East	
Climate Zone:	Mediterranean	
Major Species:	Wallaby grass	


Comments	Photos supplied by the EverGraze project, nutritive values based on published data
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Lifetime Ewe Management - FOO Library Results

Wallaby grass

617EG-SUMM-Wallaby1500kg35green




	Green	Dead
Feed On Offer (kg/ha):	525	975
Digestibility (%):	70	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	5
Sheep Intake (MJ/day):	10.8	
50kg dry, Condition score 3		
Crude Protein (%):	9	5
Pasture Height (cm):	6	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North East	
Climate Zone:	Mediterranean	
Major Species:	Wallaby grass	

Comments	Photos supplied by the EverGraze project, nutritive values based on published data
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9TP-Morgan-July2012-danthonia



	Green	Dead
Feed On Offer (kg/ha):	330	500
Digestibility (%):	63	44
Equivalent to		
Metabolizable Energy (MJ/kg):	9.2	5.9
Sheep Intake (MJ/day):	7	
50kg dry, Condition score 3		
Crude Protein (%):	14	8.2
Pasture Height (cm):	3	4.0
Ground Cover (%):	60	
Legume (%):	0	
State:	SA	
Location:	Murraylands	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	
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