

# Feed on Offer Photo Library

Use in conjunction with the Lifetime Ewe Management feed budgeting tables available at [lifetimewool.com.au](http://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](http://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](http://www.wool.com)

RIST Centre: [www.rist.com.au](http://www.rist.com.au)

Lifetime Ewe Management: [www.rist.com.au/lifetime\\_ewe\\_management](http://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.



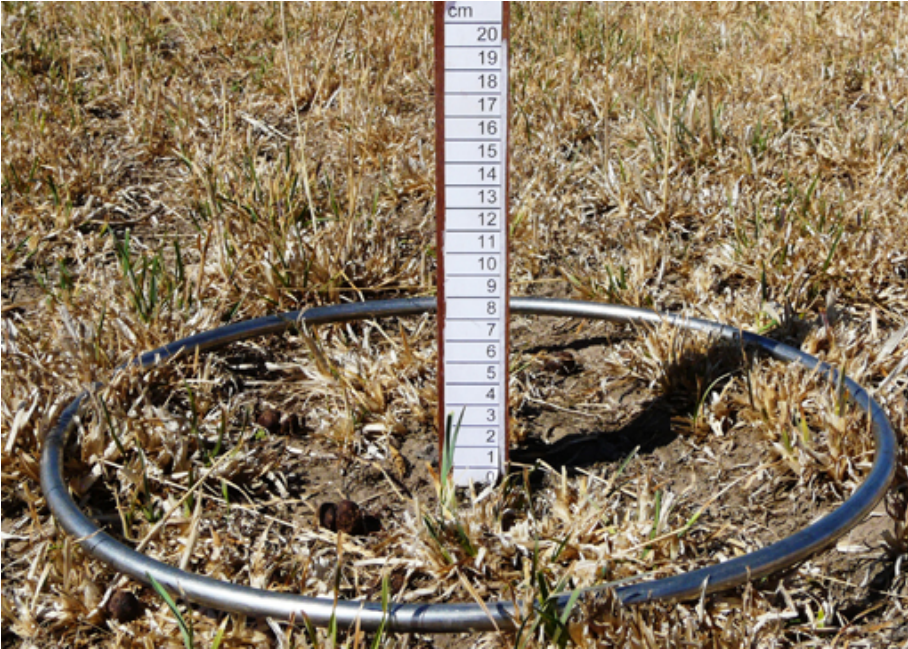
Lifetime Ewe Management






Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

300msVLCP1020164




	Green	Dead
Feed On Offer (kg/ha):	100	400
Digestibility (%):	83	51
Equivalent to		
Metabolizable Energy (MJ/kg):	12.6	7.1
Sheep Intake (MJ/day):	10.3	
50kg dry, Condition score 3		
Crude Protein (%):	32	5.8
Pasture Height (cm):	2	2
Ground Cover (%):	80	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	

Comments	Driest summer on record in south west Vic, Feb 13
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301msLCP1020167



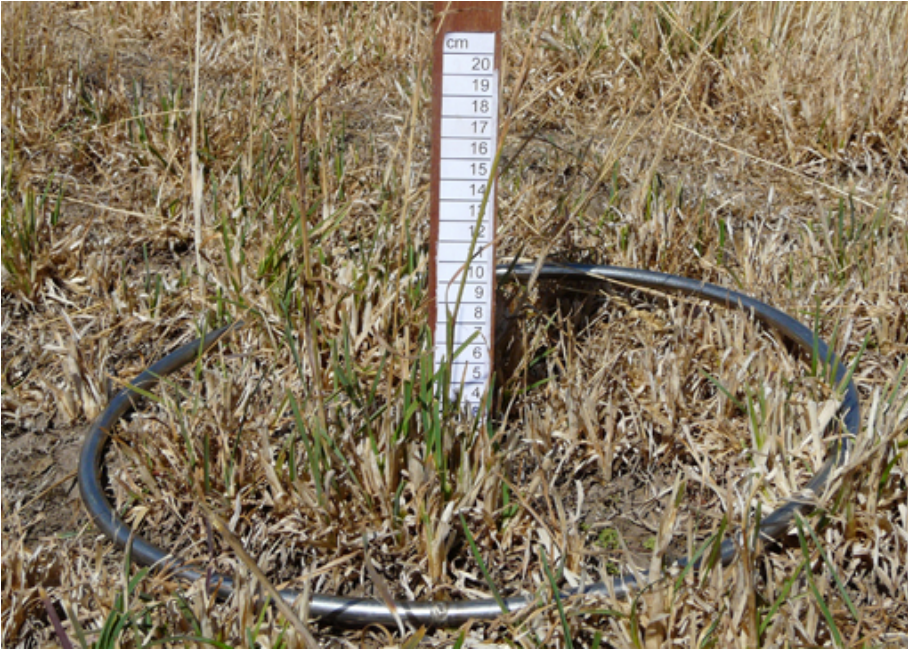
	Green	Dead
Feed On Offer (kg/ha):	100	600
Digestibility (%):	80	60
Equivalent to		
Metabolizable Energy (MJ/kg):	12.2	8.8
Sheep Intake (MJ/day):	14.6	
50kg dry, Condition score 3		
Crude Protein (%):	32	6.2
Pasture Height (cm):	4	6
Ground Cover (%):	92	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	


Comments	Driest summer on record in south west Vic
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

302msMCP1020174




	Green	Dead
Feed On Offer (kg/ha):	200	800
Digestibility (%):	80	51
Equivalent to		
Metabolizable Energy (MJ/kg):	12.2	5.9
Sheep Intake (MJ/day):	14	
50kg dry, Condition score 3		
Crude Protein (%):	32	5.8
Pasture Height (cm):	5	4
Ground Cover (%):	95	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	

Comments	Driest summer on record in south west Vic
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303msHCP1020179



	Green	Dead
Feed On Offer (kg/ha):	200	1,500
Digestibility (%):	80	57
Equivalent to		
Metabolizable Energy (MJ/kg):	12.1	8.1
Sheep Intake (MJ/day):	15.3	
50kg dry, Condition score 3		
Crude Protein (%):	27	4.8
Pasture Height (cm):	7	8
Ground Cover (%):	98	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	


Comments	Driest summer on record in south west Vic, Feb 13
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

304msVLTFP1020181




	Green	Dead
Feed On Offer (kg/ha):	100	200
Digestibility (%):	76	43
Equivalent to		
Metabolizable Energy (MJ/kg):	11.5	5.7
Sheep Intake (MJ/day):	6.9	
50kg dry, Condition score 3		
Crude Protein (%):	22	1
Pasture Height (cm):	1.5	3
Ground Cover (%):	98	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	Driest summer on record in south west Vic, Feb 13
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305msLTFP1020186



	Green	Dead
Feed On Offer (kg/ha):	100	800
Digestibility (%):	76	44
Equivalent to		
Metabolizable Energy (MJ/kg):	11.5	5.9
Sheep Intake (MJ/day):	13.3	
50kg dry, Condition score 3		
Crude Protein (%):	22	1.6
Pasture Height (cm):	4	5
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	


Comments	Driest summer on record in south west Vic, Feb 13
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

306msMTFP1020190




	Green	Dead
Feed On Offer (kg/ha):	150	1,000
Digestibility (%):	76	42
Equivalent to		
Metabolizable Energy (MJ/kg):	11.5	5.6
Sheep Intake (MJ/day):	13.3	
50kg dry, Condition score 3		
Crude Protein (%):	18	1.3
Pasture Height (cm):	4	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	Driest summer on record in south west Vic
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307msHTFP1020193



	Green	Dead
Feed On Offer (kg/ha):	300	1,800
Digestibility (%):	80	43
Equivalent to		
Metabolizable Energy (MJ/kg):	12.1	5.7
Sheep Intake (MJ/day):	14.5	
50kg dry, Condition score 3		
Crude Protein (%):	26	1.7
Pasture Height (cm):	6	15
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	


Comments	Driest summer on record in south west Vic, Feb 13
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

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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309msMAPP1020205



	Green	Dead
Feed On Offer (kg/ha):	400	1,200
Digestibility (%):	73	43
Equivalent to		
Metabolizable Energy (MJ/kg):	11	5.8
Sheep Intake (MJ/day):	8	
50kg dry, Condition score 3		
Crude Protein (%):	17	1.8
Pasture Height (cm):	1	10
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Sweet vernal	


Comments	Driest summer on record in south west Vic, Feb 13
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

310msHAPP1020208




	Green	Dead
Feed On Offer (kg/ha):	100	1,800
Digestibility (%):	73	49
Equivalent to		
Metabolizable Energy (MJ/kg):	11	6.7
Sheep Intake (MJ/day):	10.2	
50kg dry, Condition score 3		
Crude Protein (%):	18	2.1
Pasture Height (cm):	1	12
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Poa	

Comments	Driest summer on record in south west Vic, photo taken Feb 13
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310SummEGChicoryFOO300



	Green	Dead
Feed On Offer (kg/ha):	300	50
Digestibility (%):	70	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.6
Sheep Intake (MJ/day):	11.2	
50kg dry, Condition score 3		
Crude Protein (%):	14	13
Pasture Height (cm):	4	0.5
Ground Cover (%):	15	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	


Comments	Photos and data provided by EverGraze. Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

311SummEGChicoryFOO1600




	Green	Dead
Feed On Offer (kg/ha):	1,600	0
Digestibility (%):	70	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.6
Sheep Intake (MJ/day):	15.1	
50kg dry, Condition score 3		
Crude Protein (%):	14	NA
Pasture Height (cm):	8	NA
Ground Cover (%):	70	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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312SummEGChicoryFOO2000




	Green	Dead
Feed On Offer (kg/ha):	2,000	100
Digestibility (%):	70	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.6
Sheep Intake (MJ/day):	10.6	
50kg dry, Condition score 3		
Crude Protein (%):	14	13
Pasture Height (cm):	10	0.5
Ground Cover (%):	80	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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313SummEGChicoryFOO2400




	Green	Dead
Feed On Offer (kg/ha):	2,400	400
Digestibility (%):	70	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.6
Sheep Intake (MJ/day):	10.4	
50kg dry, Condition score 3		
Crude Protein (%):	14	13
Pasture Height (cm):	12	6
Ground Cover (%):	90	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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314SummEGChicoryFOO4100




	Green	Dead
Feed On Offer (kg/ha):	4,100	700
Digestibility (%):	67	50
Equivalent to		
Metabolizable Energy (MJ/kg):	10	6.6
Sheep Intake (MJ/day):	10.6	
50kg dry, Condition score 3		
Crude Protein (%):	14	13
Pasture Height (cm):	15	8
Ground Cover (%):	80	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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315SummEGChicoryFOO5200




	Green	Dead
Feed On Offer (kg/ha):	5,200	300
Digestibility (%):	70	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	7
Sheep Intake (MJ/day):	9.8	
50kg dry, Condition score 3		
Crude Protein (%):	14	12
Pasture Height (cm):	20	2
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Nutritive value data is from pooled samples from 300 - 3000 kg/ha
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316SummEGLucerneFOO600




	Green	Dead
Feed On Offer (kg/ha):	600	100
Digestibility (%):	70	38
Equivalent to		
Metabolizable Energy (MJ/kg):	10.4	5
Sheep Intake (MJ/day):	11.2	
50kg dry, Condition score 3		
Crude Protein (%):	19	8
Pasture Height (cm):	3	0.5
Ground Cover (%):	15	
Legume (%):	100	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Nutritive value data is from pooled samples from 600 - 5000 kg/ha
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317SummEGLucerneFOO1200




	Green	Dead
Feed On Offer (kg/ha):	1,200	300
Digestibility (%):	70	38
Equivalent to		
Metabolizable Energy (MJ/kg):	10.4	5
Sheep Intake (MJ/day):	14.4	
50kg dry, Condition score 3		
Crude Protein (%):	19	8
Pasture Height (cm):	5	1
Ground Cover (%):	50	
Legume (%):	100	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Nutritive value data is from pooled samples from 600 - 5000 kg/ha
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318SummEGLucerneFOO1700




	Green	Dead
Feed On Offer (kg/ha):	1,700	300
Digestibility (%):	70	38
Equivalent to		
Metabolizable Energy (MJ/kg):	11.0	5
Sheep Intake (MJ/day):	16.8	
50kg dry, Condition score 3		
Crude Protein (%):	19	8
Pasture Height (cm):	8	2
Ground Cover (%):	60	
Legume (%):	100	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Photo and data provided by EverGraze. Nutritive value data is from pooled samples from 600 - 5000 kg/ha
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319SummEGLucerneFOO2300




	Green	Dead
Feed On Offer (kg/ha):	2,300	500
Digestibility (%):	70	38
Equivalent to		
Metabolizable Energy (MJ/kg):	10.4	5
Sheep Intake (MJ/day):	17.3	
50kg dry, Condition score 3		
Crude Protein (%):	19	8
Pasture Height (cm):	10	5
Ground Cover (%):	90	
Legume (%):	100	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Nutritive value data is from pooled samples from 600 - 5000 kg/ha
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320SummEGLucerneFOO5300



	Green	Dead
Feed On Offer (kg/ha):	5,300	500
Digestibility (%):	70	38
Equivalent to		
Metabolizable Energy (MJ/kg):	10	5
Sheep Intake (MJ/day):	18.3	
50kg dry, Condition score 3		
Crude Protein (%):	19	8
Pasture Height (cm):	20	5
Ground Cover (%):	90	
Legume (%):	100	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Nutritive value data is from pooled samples from 600 - 5000 kg/ha
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# Lifetime Ewe Management - FOO Library Results

## Vic Cool Temperate Summer FOO Photos

333lwPHIMG\_3835




	Green	Dead
Feed On Offer (kg/ha):	0	6,000
Digestibility (%):	NA	40
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	5.3
Sheep Intake (MJ/day):	5.5	
50kg dry, Condition score 3		
Crude Protein (%):	NA	5.9
Pasture Height (cm):	0	14
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

**Comments** No summer rainfall. Samples taken 2.5 months after pasture dried off.

334lwPLIMG\_3847



	Green	Dead
Feed On Offer (kg/ha):	0	1,600
Digestibility (%):	NA	48
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	6.7
Sheep Intake (MJ/day):	4.4	
50kg dry, Condition score 3		
Crude Protein (%):	NA	11.2
Pasture Height (cm):	0	2
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	


**Comments** No summer rainfall. Samples taken 2.5 months after pasture dried off.



Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

335lwPMIMG\_3852




	Green	Dead
Feed On Offer (kg/ha):	0	2,200
Digestibility (%):	NA	50
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	7
Sheep Intake (MJ/day):	6.6	
50kg dry, Condition score 3		
Crude Protein (%):	NA	8.5
Pasture Height (cm):	0	4
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	No summer rainfall. Samples taken 2.5 months after pasture dried off.
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336lwRLIMG\_3867



	Green	Dead
Feed On Offer (kg/ha):	0	800
Digestibility (%):	NA	56
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	8
Sheep Intake (MJ/day):	3.9	
50kg dry, Condition score 3		
Crude Protein (%):	NA	8.2
Pasture Height (cm):	0	1
Ground Cover (%):	80	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	No summer rainfall. Samples taken 2.5 months after pasture dried off.
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Lifetime Ewe Management - FOO Library Results  
Vic Cool Temperate Summer FOO Photos

337lwRMIMG\_3869




	Green	Dead
Feed On Offer (kg/ha):	0	2,000
Digestibility (%):	NA	52
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	7.3
Sheep Intake (MJ/day):	6.5	
50kg dry, Condition score 3		
Crude Protein (%):	NA	6.5
Pasture Height (cm):	0	3
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	No summer rainfall. Samples taken 2.5 months after pasture dried off.
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338lwRHIMG\_3879



	Green	Dead
Feed On Offer (kg/ha):	0	4,400
Digestibility (%):	NA	58
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	8.4
Sheep Intake (MJ/day):	9.7	
50kg dry, Condition score 3		
Crude Protein (%):	NA	5.6
Pasture Height (cm):	0	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	No summer rainfall. Samples taken 2.5 months after pasture dried off.
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