

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
Central & Northeast Vic All Seasons

241-LW-VHP-IMG_3669




	Green	Dead
Feed On Offer (kg/ha):	5,490	0
Digestibility (%):	76	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.4	NA
Sheep Intake (MJ/day):	17.3	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	20	0
Ground Cover (%):	100	
Legume (%):	40	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	No dead, excellent clover/phalaris content
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242-LW-HP-IMG_3676



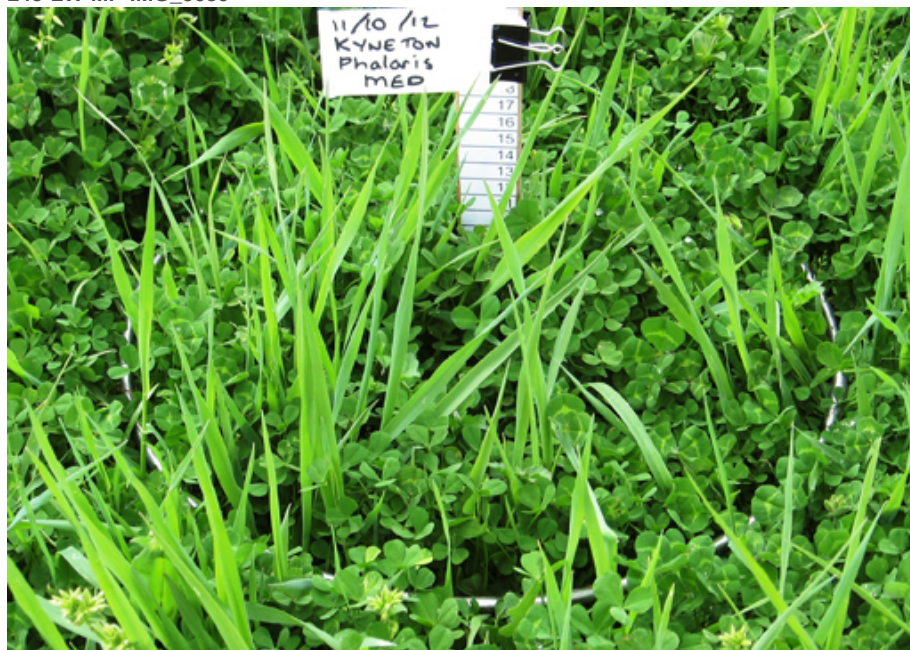
	Green	Dead
Feed On Offer (kg/ha):	4,720	0
Digestibility (%):	71	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.7	NA
Sheep Intake (MJ/day):	17.3	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	15	0
Ground Cover (%):	100	
Legume (%):	60	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	


Comments	No dead, excellent clover/phalaris content
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

243-LW-MP-IMG_3680




	Green	Dead
Feed On Offer (kg/ha):	3,250	0
Digestibility (%):	68	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.1	NA
Sheep Intake (MJ/day):	16.4	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	10	0
Ground Cover (%):	100	
Legume (%):	60	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	No dead, excellent clover/phalaris content
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244-LW-LP-IMG_3692



	Green	Dead
Feed On Offer (kg/ha):	2,300	0
Digestibility (%):	68	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.1	NA
Sheep Intake (MJ/day):	14.3	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	5	0
Ground Cover (%):	100	
Legume (%):	40	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	


Comments	No dead, excellent clover/phalaris content
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

245-LW-HR-IMG_3700




	Green	Dead
Feed On Offer (kg/ha):	3,490	0
Digestibility (%):	76	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.4	NA
Sheep Intake (MJ/day):	17.1	
50kg dry, Condition score 3		
Crude Protein (%):	20	NA
Pasture Height (cm):	12	0
Ground Cover (%):	100	
Legume (%):	40	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Clover not ideal, patchy/clumpy growth in this paddock
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246-LW-VHR-IMG_3704



	Green	Dead
Feed On Offer (kg/ha):	5,440	0
Digestibility (%):	78	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.8	NA
Sheep Intake (MJ/day):	16.5	
50kg dry, Condition score 3		
Crude Protein (%):	24	NA
Pasture Height (cm):	15	0
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	Clover not ideal, patchy/clumpy growth in this paddock
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

247-LW-MR-IMG_3708




	Green	Dead
Feed On Offer (kg/ha):	2,110	0
Digestibility (%):	77	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.6	NA
Sheep Intake (MJ/day):	16.0	
50kg dry, Condition score 3		
Crude Protein (%):	19	NA
Pasture Height (cm):	5	0
Ground Cover (%):	100	
Legume (%):	40	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Clover not ideal, patchy/clumpy growth in this paddock
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248-LW-LR-IMG_3713



	Green	Dead
Feed On Offer (kg/ha):	2,070	0
Digestibility (%):	75	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.3	NA
Sheep Intake (MJ/day):	15.0	
50kg dry, Condition score 3		
Crude Protein (%):	15	NA
Pasture Height (cm):	4	0
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	Clover not ideal, patchy/clumpy growth in this paddock
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

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.
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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.
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Lifetime Ewe Management - FOO Library Results
Central & Northeast Vic All Seasons

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
Central & Northeast Vic All Seasons

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



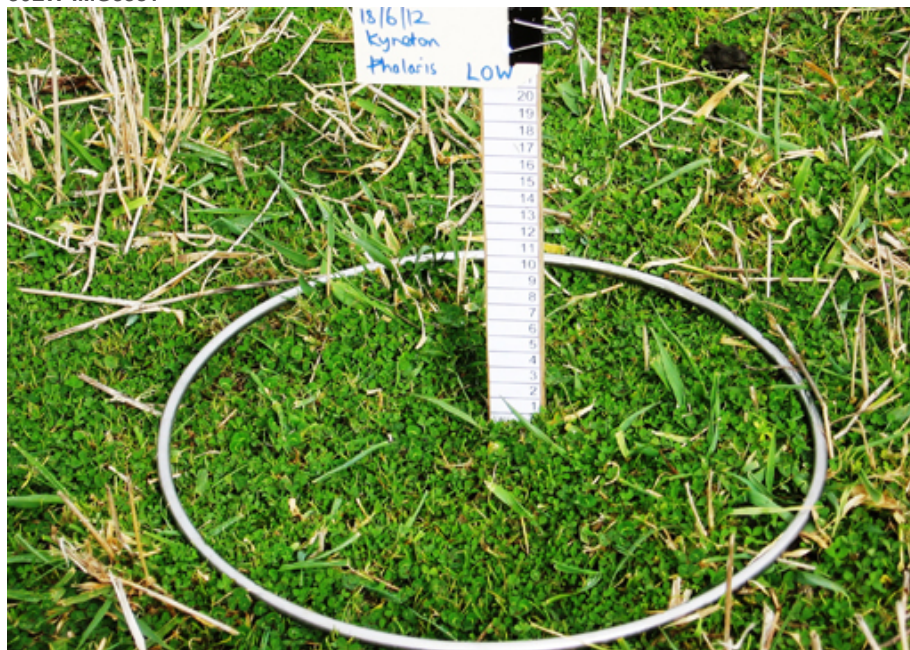
	Green	Dead
Feed On Offer (kg/ha):	0	4,400
Digestibility (%):	NA	58
Equivalent to		
Metabolizable Energy (MJ/kg):	NA	8.4
Sheep Intake (MJ/day):	9.7	
50kg dry, Condition score 3		
Crude Protein (%):	NA	5.6
Pasture Height (cm):	0	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
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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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

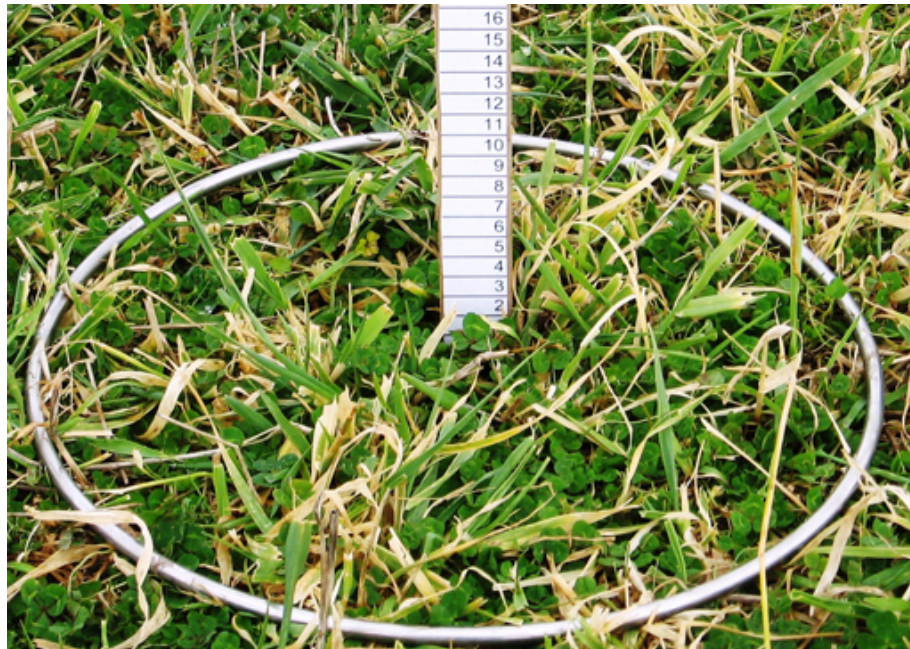
36LW-IMG3381




	Green	Dead
Feed On Offer (kg/ha):	1,000	200
Digestibility (%):	54	36
Equivalent to		
Metabolizable Energy (MJ/kg):	7.7	4.5
Sheep Intake (MJ/day):	4	
50kg dry, Condition score 3		
Crude Protein (%):	24	10.9
Pasture Height (cm):	1	0.5
Ground Cover (%):	100	
Legume (%):	50	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	Low & Medium Dead samples combined for FEEDTEST. Digestibility of Green samples seems low, due to frosted tips?
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37LW-IMG3375




	Green	Dead
Feed On Offer (kg/ha):	1,100	1,400
Digestibility (%):	61	36
Equivalent to		
Metabolizable Energy (MJ/kg):	8.9	4.5
Sheep Intake (MJ/day):	6.6	
50kg dry, Condition score 3		
Crude Protein (%):	21	10.9
Pasture Height (cm):	2.5	1.5
Ground Cover (%):	100	
Legume (%):	30	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	Low & Medium Dead samples combined for FEEDTEST
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Lifetime Ewe Management - FOO Library Results
Central & Northeast Vic All Seasons

38LW-IMG3374




	Green	Dead
Feed On Offer (kg/ha):	1,200	2,400
Digestibility (%):	63	37
Equivalent to		
Metabolizable Energy (MJ/kg):	9.2	4.8
Sheep Intake (MJ/day):	9	
50kg dry, Condition score 3		
Crude Protein (%):	19	8.1
Pasture Height (cm):	4	6.0
Ground Cover (%):	100	
Legume (%):	20	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	
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39LW-IMG3388



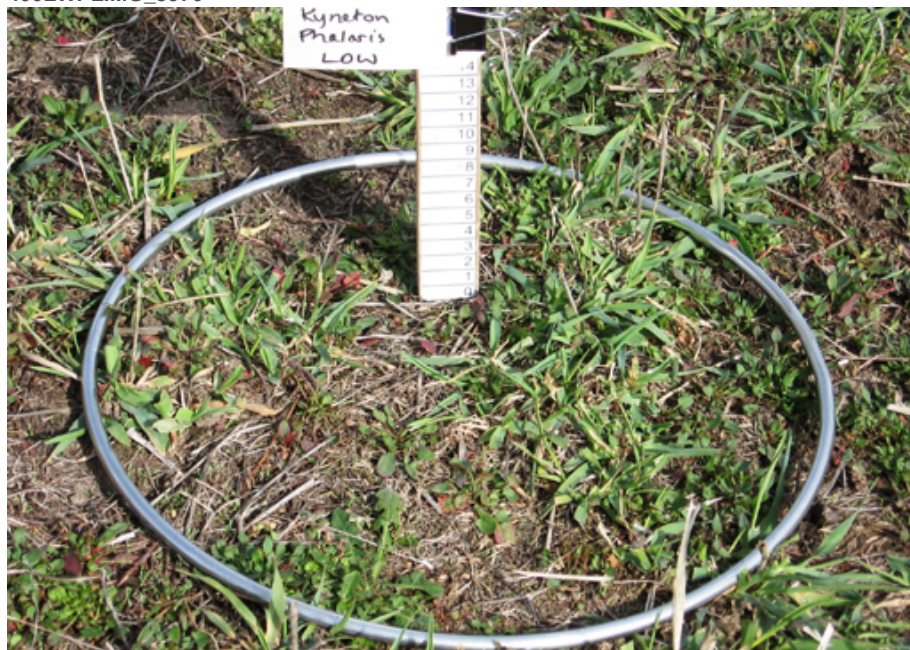
	Green	Dead
Feed On Offer (kg/ha):	1,300	2,000
Digestibility (%):	72	37
Equivalent to		
Metabolizable Energy (MJ/kg):	10.8	4.8
Sheep Intake (MJ/day):	13	
50kg dry, Condition score 3		
Crude Protein (%):	19	8.1
Pasture Height (cm):	6	6.0
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	


Comments	
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

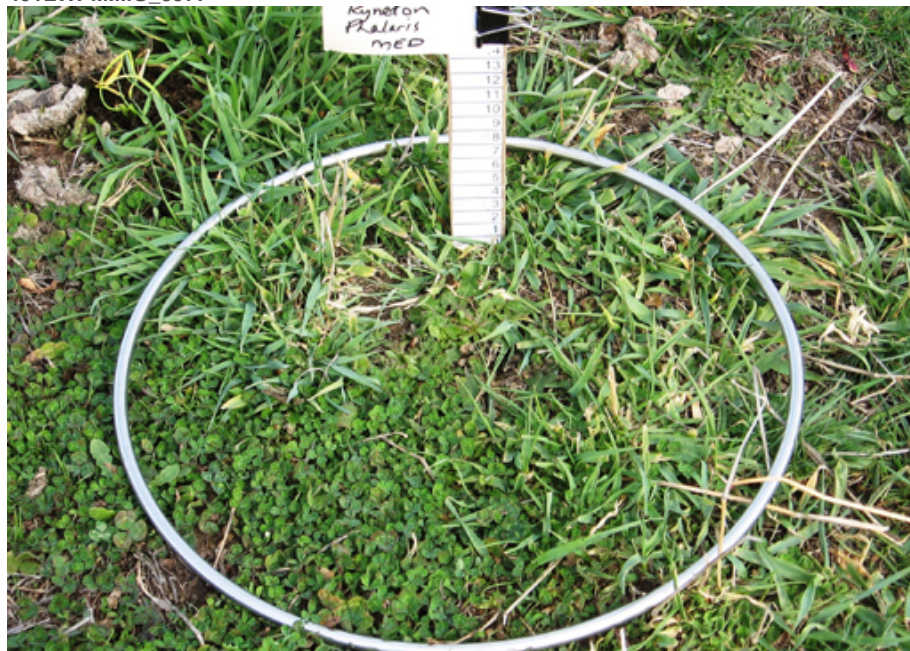
400LWPLIMG_3976




	Green	Dead
Feed On Offer (kg/ha):	100	600
Digestibility (%):	66	39
Equivalent to		
Metabolizable Energy (MJ/kg):	9.8	5
Sheep Intake (MJ/day):	5.4	
50kg dry, Condition score 3		
Crude Protein (%):	24	16
Pasture Height (cm):	1.5	1
Ground Cover (%):	90	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	Most of feed on offer green, dry autumn conditions.
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401LWPMIMG_3977



	Green	Dead
Feed On Offer (kg/ha):	300	1,300
Digestibility (%):	66	41
Equivalent to		
Metabolizable Energy (MJ/kg):	9.8	5.4
Sheep Intake (MJ/day):	7.3	
50kg dry, Condition score 3		
Crude Protein (%):	24	21
Pasture Height (cm):	2	2
Ground Cover (%):	100	
Legume (%):	30	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	


Comments	Most of feed green, some clumps of dead feed, small bits of dead hard to separate from Green may have affected Green FEEDTEST results.
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

402LWPHIMG_3981




	Green	Dead
Feed On Offer (kg/ha):	800	1,300
Digestibility (%):	70	40
Equivalent to		
Metabolizable Energy (MJ/kg):	10.4	5.3
Sheep Intake (MJ/day):	9.4	
50kg dry, Condition score 3		
Crude Protein (%):	27	17
Pasture Height (cm):	3	3
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	Most of feed was green. Fairly evenly grazed off. Some clumps of dead feed
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403LWRLIMG_3989



	Green	Dead
Feed On Offer (kg/ha):	50	500
Digestibility (%):	69	49
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.7
Sheep Intake (MJ/day):	5.6	
50kg dry, Condition score 3		
Crude Protein (%):	27	17
Pasture Height (cm):	1	1
Ground Cover (%):	70	
Legume (%):	0	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	Most of feed on offer was green, not much clover in paddock. Dry autumn conditions.
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Lifetime Ewe Management - FOO Library Results

Central & Northeast Vic All Seasons

404LWRMIMG_3980




	Green	Dead
Feed On Offer (kg/ha):	300	1,300
Digestibility (%):	69	39
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	5.1
Sheep Intake (MJ/day):	8.7	
50kg dry, Condition score 3		
Crude Protein (%):	27	19
Pasture Height (cm):	2.5	2
Ground Cover (%):	100	
Legume (%):	20	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Most of feed was green. Fairly evenly grazed off. Some clumps of dead feed
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405LWRHIMG_4002




	Green	Dead
Feed On Offer (kg/ha):	1,200	400
Digestibility (%):	67	47
Equivalent to		
Metabolizable Energy (MJ/kg):	9.9	6.4
Sheep Intake (MJ/day):	10.7	
50kg dry, Condition score 3		
Crude Protein (%):	25	15
Pasture Height (cm):	3.5	3.5
Ground Cover (%):	100	
Legume (%):	20	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Most of feed was green. Fairly evenly grazed off. Some clumps of dead feed
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Lifetime Ewe Management - FOO Library Results
Central & Northeast Vic All Seasons

40LW-IMG3417




	Green	Dead
Feed On Offer (kg/ha):	700	250
Digestibility (%):	62	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day):	5.1	
50kg dry, Condition score 3		
Crude Protein (%):	20	NA
Pasture Height (cm):	1.5	0.5
Ground Cover (%):	95	
Legume (%):	30	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Low & Med Green samples combined for FEEDTEST. Dead pasture not analysed.
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41LW-IMG3410




	Green	Dead
Feed On Offer (kg/ha):	800	200
Digestibility (%):	62	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day):	6.2	
50kg dry, Condition score 3		
Crude Protein (%):	20	NA
Pasture Height (cm):	2	0.5
Ground Cover (%):	95	
Legume (%):	10	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Low & Med Green samples combined for FEEDTEST. Dead pasture not analysed.
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Lifetime Ewe Management - FOO Library Results
Central & Northeast Vic All Seasons

42LW-IMG3401




	Green	Dead
Feed On Offer (kg/ha):	1,800	550
Digestibility (%):	76	57
Equivalent to		
Metabolizable Energy (MJ/kg):	11.4	8.2
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	22	13.3
Pasture Height (cm):	5	1.0
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	High & Very High Dead samples combined for FEEDTEST
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43LW-IMG3406



	Green	Dead
Feed On Offer (kg/ha):	2,000	600
Digestibility (%):	80	57
Equivalent to		
Metabolizable Energy (MJ/kg):	12.2	8.2
Sheep Intake (MJ/day):	16	
50kg dry, Condition score 3		
Crude Protein (%):	23	13.3
Pasture Height (cm):	8	3.0
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	High & Very High Dead samples combined for FEEDTEST
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