

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

Perennial Ryegrass

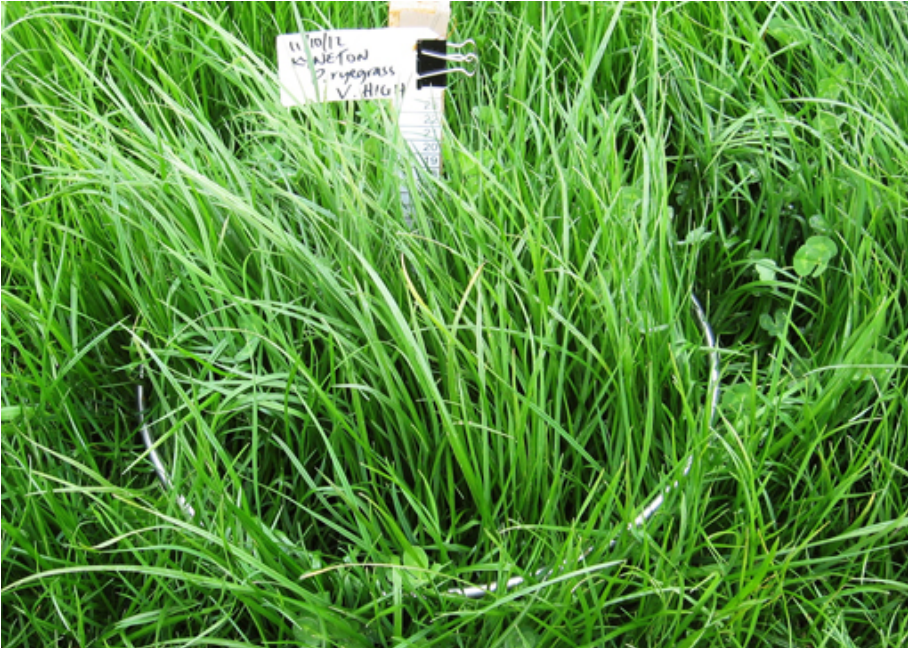
245-LW-HR-IMG_3700




	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

Perennial Ryegrass

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

Perennial Ryegrass

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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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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Lifetime Ewe Management - FOO Library Results

Perennial Ryegrass

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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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

Perennial Ryegrass

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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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

Perennial Ryegrass

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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44Vic-LTE700




	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%):	73	55
Equivalent to		
Metabolizable Energy (MJ/kg):	11.4	8
Sheep Intake (MJ/day):	9.1	
50kg dry, Condition score 3		
Crude Protein (%):	22	12
Pasture Height (cm):	1.5	1.0
Ground Cover (%):	85	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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45Vic-LTE900




	Green	Dead
Feed On Offer (kg/ha):	900	150
Digestibility (%):	75	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.0	8.0
Sheep Intake (MJ/day):	11	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	2	1.0
Ground Cover (%):	90	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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Lifetime Ewe Management - FOO Library Results
Perennial Ryegrass

46Vic-LTE1100




	Green	Dead
Feed On Offer (kg/ha):	1,100	150
Digestibility (%):	78	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.4	8.0
Sheep Intake (MJ/day):	13	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	2	1.0
Ground Cover (%):	97	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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47Vic-LTE1300



	Green	Dead
Feed On Offer (kg/ha):	1,300	150
Digestibility (%):	78	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.4	8.0
Sheep Intake (MJ/day):	14.4	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	2.5	2.0
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	
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Lifetime Ewe Management - FOO Library Results

Perennial Ryegrass

48Vic-LTE1500




	Green	Dead
Feed On Offer (kg/ha):	1,500	150
Digestibility (%):	80	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	8.0
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	3	2.0
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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49Vic-LTE1700



	Green	Dead
Feed On Offer (kg/ha):	1,700	200
Digestibility (%):	80	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	8.0
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	4	2.0
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	
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Lifetime Ewe Management - FOO Library Results

Perennial Ryegrass

50Vic-LTE2500




	Green	Dead
Feed On Offer (kg/ha):	2,500	200
Digestibility (%):	80	55
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	8.0
Sheep Intake (MJ/day):	16	
50kg dry, Condition score 3		
Crude Protein (%):	25	12.0
Pasture Height (cm):	5	3.0
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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620EG-Aug1Av800




	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%):	85	39
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	5
Sheep Intake (MJ/day):	11.2	
50kg dry, Condition score 3		
Crude Protein (%):	25	7.6
Pasture Height (cm):	1.5	2
Ground Cover (%):	90	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass
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Lifetime Ewe Management - FOO Library Results
Perennial Ryegrass

621EG-Aug1Bq1000




	Green	Dead
Feed On Offer (kg/ha):	900	100
Digestibility (%):	84	44
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	6
Sheep Intake (MJ/day):	14.1	
50kg dry, Condition score 3		
Crude Protein (%):	25	7
Pasture Height (cm):	2.5	4
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid
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625EG-JulyAv900



	Green	Dead
Feed On Offer (kg/ha):	750	150
Digestibility (%):	85	57
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	8
Sheep Intake (MJ/day):	14.3	
50kg dry, Condition score 3		
Crude Protein (%):	25	11
Pasture Height (cm):	2.5	5
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results

Perennial Ryegrass

627EG-JulyAv1100




	Green	Dead
Feed On Offer (kg/ha):	1100	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day):	14.4	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	100	
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass
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628EG-JulyAv1900




	Green	Dead
Feed On Offer (kg/ha):	1900	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day):	15.1	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	5	NA
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results
Perennial Ryegrass

629EG-JulyAv2700




	Green	Dead
Feed On Offer (kg/ha):	2700	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day):	16	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	8	NA
Ground Cover (%):	100	
Legume (%):	2	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project
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632EG-Aug1Bq800



	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%):	85	57
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	8
Sheep Intake (MJ/day):	14.5	
50kg dry, Condition score 3		
Crude Protein (%):	26	11
Pasture Height (cm):	2.5	5
Ground Cover (%):	95	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	


Comments	Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid
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Lifetime Ewe Management - FOO Library Results

Perennial Ryegrass

633EG-Aug1Bq2300




	Green	Dead
Feed On Offer (kg/ha):	2200	100
Digestibility (%):	85	57
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	8
Sheep Intake (MJ/day):	16.1	
50kg dry, Condition score 3		
Crude Protein (%):	26	11
Pasture Height (cm):	7	3
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid
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634EG-Aug1lt600



	Green	Dead
Feed On Offer (kg/ha):	600	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day):	11.9	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	80	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project
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