

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

Fescue

105MS P1010972



	Green	Dead
Feed On Offer (kg/ha):	110	1,420
Digestibility (%): Equivalent to	77.7	38.7
Metabolizable Energy (MJ/kg):	11.7	5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	12.9	
Crude Protein (%):	22	7.5
Pasture Height (cm):	3.5	2
Ground Cover (%):	97	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments	Intake higher than expected due to tall pasture height for FOO value
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106MS P1010975



	Green	Dead
Feed On Offer (kg/ha):	430	760
Digestibility (%): Equivalent to	73.8	42.3
Metabolizable Energy (MJ/kg):	11.1	5.7
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.8	
Crude Protein (%):	20	8.7
Pasture Height (cm):	7.5	5
Ground Cover (%):	95	
Legume (%):	1	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments	Intake higher than expected due to tall pasture height for FOO value
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Lifetime Ewe Management - FOO Library Results

Fescue

107MS P101979



	Green	Dead
Feed On Offer (kg/ha):	610	1,250
Digestibility (%): Equivalent to	74.6	52.9
Metabolizable Energy (MJ/kg):	11.2	7.5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.0	
Crude Protein (%):	21.2	7.6
Pasture Height (cm):	10.5	7
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments	Intake higher than expected due to tall pasture height for FOO value
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108MS P1010976



	Green	Dead
Feed On Offer (kg/ha):	1,810	1,360
Digestibility (%): Equivalent to	71.5	50.1
Metabolizable Energy (MJ/kg):	10.7	7
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
Crude Protein (%):	16.6	4.7
Pasture Height (cm):	14	5
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments	
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Lifetime Ewe Management - FOO Library Results

Fescue

225-MS-P1020134-TFH



	Green	Dead
Feed On Offer (kg/ha):	5,000	300
Digestibility (%):	71	42
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	5.6
Sheep Intake (MJ/day):	14.3	
50kg dry, Condition score 3		
Crude Protein (%):	12	5
Pasture Height (cm):	7	12
Ground Cover (%):	100	
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments

226-MS-P1020137-TFM



	Green	Dead
Feed On Offer (kg/ha):	3,500	200
Digestibility (%):	70	41
Equivalent to		
Metabolizable Energy (MJ/kg):	9.1	5.4
Sheep Intake (MJ/day):	13.9	
50kg dry, Condition score 3		
Crude Protein (%):	9	4
Pasture Height (cm):	5	8
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments

Lifetime Ewe Management - FOO Library Results

Fescue

227-MS-P1020157-TFL



	Green	Dead
Feed On Offer (kg/ha):	2,100	200
Digestibility (%): Equivalent to	73	49
Metabolizable Energy (MJ/kg):	10.9	6.8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	12.7	
Crude Protein (%):	11	6
Pasture Height (cm):	5	4
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments

228-MS-P1020161-TFVL



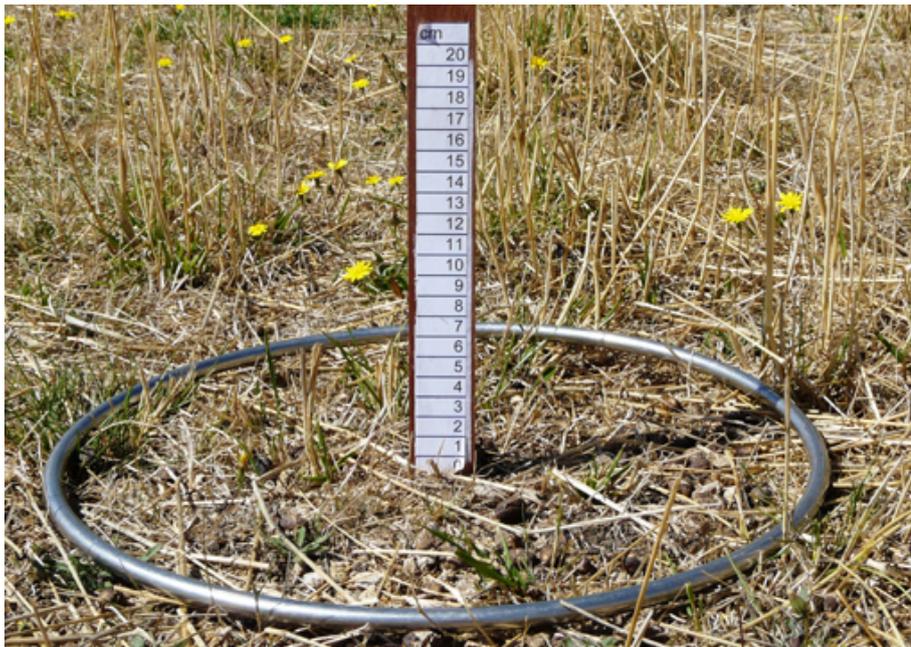
	Green	Dead
Feed On Offer (kg/ha):	1,100	100
Digestibility (%): Equivalent to	75	58
Metabolizable Energy (MJ/kg):	11.2	8.4
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.6	
Crude Protein (%):	14	6
Pasture Height (cm):	3	2
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall Fescue	

Comments

Lifetime Ewe Management - FOO Library Results

Fescue

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

Fescue

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

Fescue

60-MS-P1020070



	Green	Dead
Feed On Offer (kg/ha):	4,000	750
Digestibility (%):	72	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.7	NA
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	9	NA
Pasture Height (cm):	35	18.0
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	
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61-MS-P1020084



	Green	Dead
Feed On Offer (kg/ha):	900	400
Digestibility (%):	69	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.2	NA
Sheep Intake (MJ/day):	13	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	8	2.0
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	
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Lifetime Ewe Management - FOO Library Results

Fescue

62-MS-P1020080



	Green	Dead
Feed On Offer (kg/ha):	1,600	600
Digestibility (%): Equivalent to	69	NA
Metabolizable Energy (MJ/kg):	10.2	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
Crude Protein (%):	19	NA
Pasture Height (cm):	12	10.0
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments

626EG-JulyTf1200



	Green	Dead
Feed On Offer (kg/ha):	1200	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.4	
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:	Tall fescue	

Comments
Photos and FeedTest data provided by the EverGraze project

Lifetime Ewe Management - FOO Library Results

Fescue

63-MS-P1020087



	Green	Dead
Feed On Offer (kg/ha):	700	150
Digestibility (%): Equivalent to	69	NA
Metabolizable Energy (MJ/kg):	10.2	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.9	
Crude Protein (%):	27	NA
Pasture Height (cm):	5	0.5
Ground Cover (%):	85	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	
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630EG-JulyTf1900



	Green	Dead
Feed On Offer (kg/ha):	1900	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.1	
Crude Protein (%):	26	NA
Pasture Height (cm):	6	NA
Ground Cover (%):	100	
Legume (%):	30	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

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

Fescue

631EG-JulyTf3400



	Green	Dead
Feed On Offer (kg/ha):	3400	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day):	17	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	10	NA
Ground Cover (%):	100	
Legume (%):	30	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments Photos and FeedTest data provided by the EverGraze project

639EG-Aug1Tf1600



	Green	Dead
Feed On Offer (kg/ha):	1600	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13	NA
Sheep Intake (MJ/day):	14.8	
50kg dry, Condition score 3		
Crude Protein (%):	25	NA
Pasture Height (cm):	4	NA
Ground Cover (%):	100	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments Photos and FeedTest data provided by the EverGraze project

Lifetime Ewe Management - FOO Library Results

Fescue

642EG-JuneTf1300



	Green	Dead
Feed On Offer (kg/ha):	1200	100
Digestibility (%): Equivalent to	85	57
Metabolizable Energy (MJ/kg):	13	8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
Crude Protein (%):	25	11
Pasture Height (cm):	3	4
Ground Cover (%):	95	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	Photos and FeedTest data provided by the EverGraze project
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