

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
NSW Warm Temperate Low FOO Photos

125 Harrison 120512 Very Low FOO




	Green	Dead
Feed On Offer (kg/ha):	667	762
Digestibility (%):	73	38
Equivalent to		
Metabolizable Energy (MJ/kg):	11	5
Sheep Intake (MJ/day):	8.1	
50kg dry, Condition score 3		
Crude Protein (%):	15	7
Pasture Height (cm):	2	1
Ground Cover (%):	50	
Legume (%):	50	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Prairie grass	

Comments	
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126 Harrison 120512 Low FOO



	Green	Dead
Feed On Offer (kg/ha):	857	667
Digestibility (%):	73	38
Equivalent to		
Metabolizable Energy (MJ/kg):	11	5
Sheep Intake (MJ/day):	14	
50kg dry, Condition score 3		
Crude Protein (%):	15	7.4
Pasture Height (cm):	6.5	4
Ground Cover (%):	90	
Legume (%):	20	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Prairie grass	


Comments	2nd year pasture - therefore expect higher bare ground%'s as the pastures still establishing.
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Lifetime Ewe Management - FOO Library Results

NSW Warm Temperate Low FOO Photos

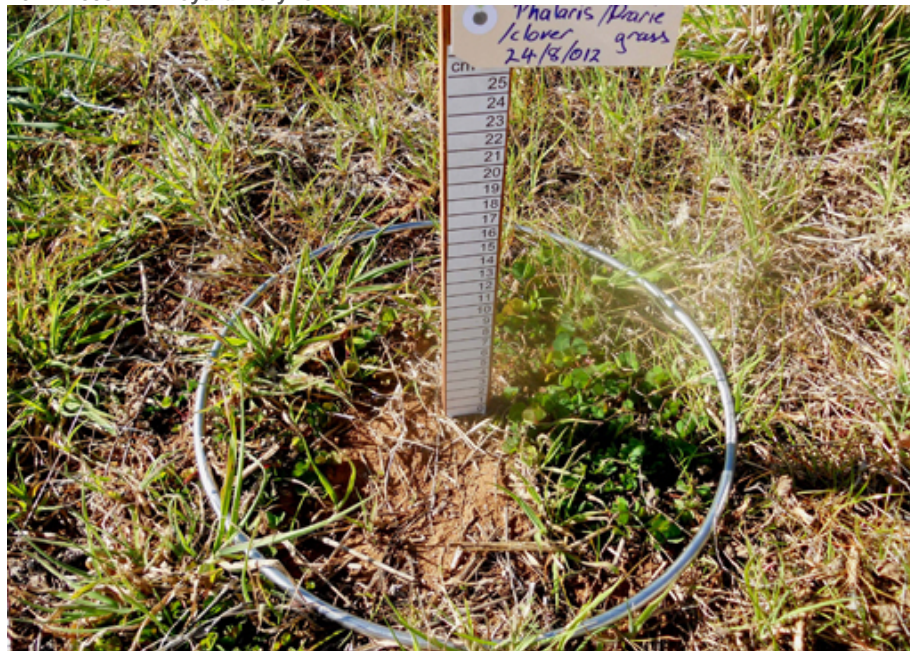
128 Harrison 120512 Low FOO




	Green	Dead
Feed On Offer (kg/ha):	952	1,048
Digestibility (%):	58.1	42.7
Equivalent to		
Metabolizable Energy (MJ/kg):	8.4	5.7
Sheep Intake (MJ/day):	6.6	
50kg dry, Condition score 3		
Crude Protein (%):	9.8	6
Pasture Height (cm):	1	1
Ground Cover (%):	100	
Legume (%):	0	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Couch grass	

Comments	Paddock grazed recently. Low pasture quality and low stocking numbers caused uneven grazing. Tropical pasture used in GrazFeed.
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16LH-260812-Vineyard-VeryLow




	Green	Dead
Feed On Offer (kg/ha):	450	710
Digestibility (%):	75	41
Equivalent to		
Metabolizable Energy (MJ/kg):	11.2	5.5
Sheep Intake (MJ/day):	10	
50kg dry, Condition score 3		
Crude Protein (%):	17	3.0
Pasture Height (cm):	3	2.0
Ground Cover (%):	50	
Legume (%):	40	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Prairie grass	

Comments	This paddock has been spelled for 80 days and has had very little rain
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Lifetime Ewe Management - FOO Library Results
NSW Warm Temperate Low FOO Photos

20LH-260812-Africa-VeryLow




	Green	Dead
Feed On Offer (kg/ha):	860	1,050
Digestibility (%):	70	31
Equivalent to		
Metabolizable Energy (MJ/kg):	10.4	3.8
Sheep Intake (MJ/day):	8	
50kg dry, Condition score 3		
Crude Protein (%):	9	4.5
Pasture Height (cm):	3	2.0
Ground Cover (%):	95	
Legume (%):	5	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Couch grass	

Comments	Paddock rotationally grazed by cattle, no stock fo 10 days prior to samples taken
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234-LH-291112AfricaLowFOO




	Green	Dead
Feed On Offer (kg/ha):	570	570
Digestibility (%):	61	32
Equivalent to		
Metabolizable Energy (MJ/kg):	8.9	3.9
Sheep Intake (MJ/day):	5.3	
50kg dry, Condition score 3		
Crude Protein (%):	7	5
Pasture Height (cm):	3	2
Ground Cover (%):	100	
Legume (%):	0	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Spear grass	

Comments	Paddock has been rotationally grazed in the last week
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236-LH-291112AfricaVeryLowFOO




	Green	Dead
Feed On Offer (kg/ha):	290	380
Digestibility (%):	61	32
Equivalent to		
Metabolizable Energy (MJ/kg):	8.9	3.9
Sheep Intake (MJ/day):	3.8	
50kg dry, Condition score 3		
Crude Protein (%):	7	5
Pasture Height (cm):	1	1
Ground Cover (%):	35	
Legume (%):	0	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Couch grass	

Comments	Paddock has been rotationally grazed in the last week
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238-LH-291112VineyardLowFOO




	Green	Dead
Feed On Offer (kg/ha):	380	380
Digestibility (%):	69	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.7
Sheep Intake (MJ/day):	11.0	
50kg dry, Condition score 3		
Crude Protein (%):	18	6
Pasture Height (cm):	5	4
Ground Cover (%):	85	
Legume (%):	20	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Phalaris	

Comments	Paddock set stocked for 6 weeks prior to testing
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Lifetime Ewe Management - FOO Library Results
NSW Warm Temperate Low FOO Photos

240-LH-Vineyardverylow




	Green	Dead
Feed On Offer (kg/ha):	95	570
Digestibility (%):	69	48
Equivalent to		
Metabolizable Energy (MJ/kg):	10.3	6.7
Sheep Intake (MJ/day):	6.1	
50kg dry, Condition score 3		
Crude Protein (%):	18	6
Pasture Height (cm):	1	2
Ground Cover (%):	50	
Legume (%):	15	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Prairie grass	

Comments	Paddock set stocked for 6 weeks prior to testing
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339lhRG170313LowFOO




	Green	Dead
Feed On Offer (kg/ha):	950	650
Digestibility (%):	59	38
Equivalent to		
Metabolizable Energy (MJ/kg):	8.6	4.9
Sheep Intake (MJ/day):	8.2	
50kg dry, Condition score 3		
Crude Protein (%):	14	4.1
Pasture Height (cm):	3	2
Ground Cover (%):	60	
Legume (%):	0	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Red grass	

Comments	
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Lifetime Ewe Management - FOO Library Results
NSW Warm Temperate Low FOO Photos

343lhPG170313LowFOO




	Green	Dead
Feed On Offer (kg/ha):	1,250	300
Digestibility (%):	63	54
Equivalent to		
Metabolizable Energy (MJ/kg):	9.1	7.6
Sheep Intake (MJ/day):	11.7	
50kg dry, Condition score 3		
Crude Protein (%):	10	3.2
Pasture Height (cm):	8	3
Ground Cover (%):	70	
Legume (%):	5	
State:	NSW	
Location:	Central West	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Prairie grass	

Comments	
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351sbNLRIMG0333




	Green	Dead
Feed On Offer (kg/ha):	420	1,070
Digestibility (%):	55	30
Equivalent to		
Metabolizable Energy (MJ/kg):	7.8	2.9
Sheep Intake (MJ/day):	5.5	
50kg dry, Condition score 3		
Crude Protein (%):	13	10.3
Pasture Height (cm):	2	2
Ground Cover (%):	75	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Blue grass	

Comments	Sample taken during a very dry summer period; samples taken <1 wk after grazing
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Lifetime Ewe Management - FOO Library Results
NSW Warm Temperate Low FOO Photos

416SBNLRIMG0019



	Green	Dead
Feed On Offer (kg/ha):	690	751
Digestibility (%):	57	40
Equivalent to		
Metabolizable Energy (MJ/kg):	8.2	5.3
Sheep Intake (MJ/day):	8.4	
50kg dry, Condition score 3		
Crude Protein (%):	6.6	6.2
Pasture Height (cm):	4	3
Ground Cover (%):	85	
Legume (%):	0	
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/Warm Temperate	
Major Species:	Redgrass	

Comments	Dry autumn
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