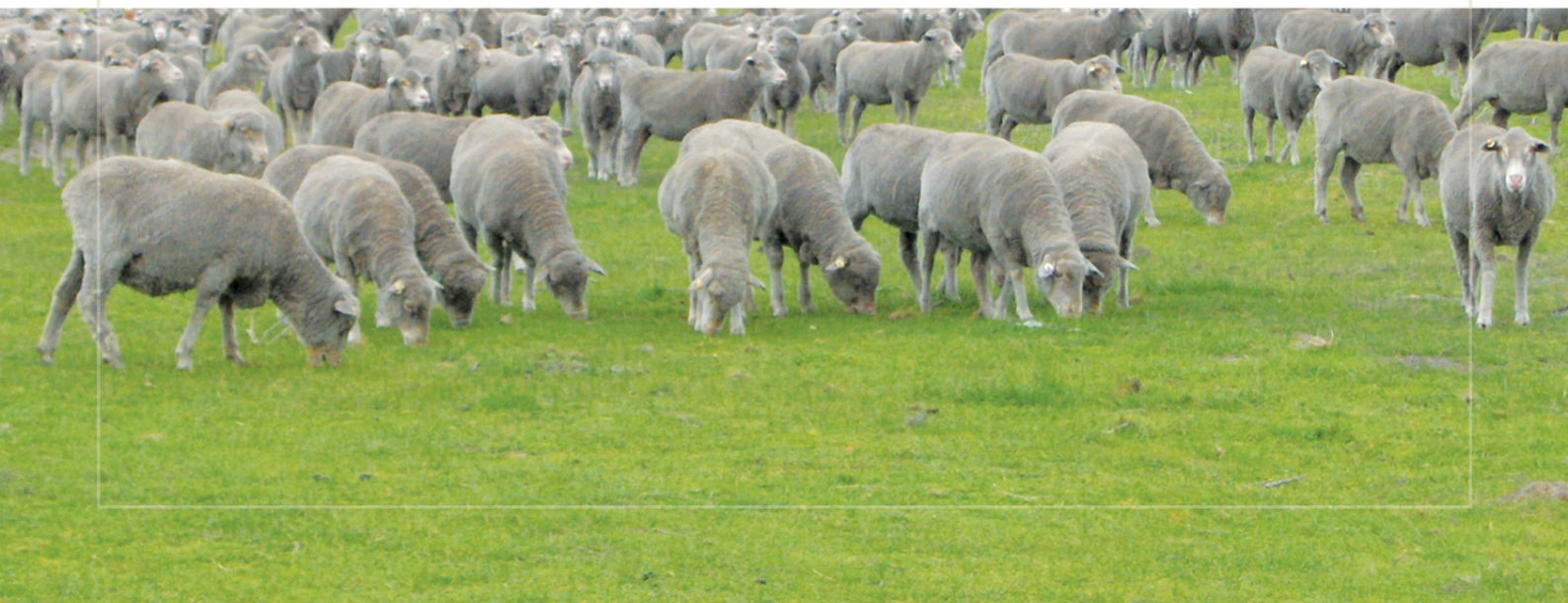


# Feed on Offer Photo Library

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





269-DC-IMG\_6718-BM




	Green	Dead
Feed On Offer (kg/ha):	140	3,460
Digestibility (%):	49	45
Equivalent to		
Metabolizable Energy (MJ/kg):	6.8	6.2
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	4	2
Pasture Height (cm):	15	22
Ground Cover (%):	100	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	
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270-DC-IMG\_6734-BH




	Green	Dead
Feed On Offer (kg/ha):	150	3,650
Digestibility (%):	49	45
Equivalent to		
Metabolizable Energy (MJ/kg):	6.8	6.2
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	4	2
Pasture Height (cm):	25	25
Ground Cover (%):	100	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Photos show green leaf stressed by low moisture
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271-DC-Jan2013098-BL




	Green	Dead
Feed On Offer (kg/ha):	0	160
Digestibility (%):	49	45
Equivalent to		
Metabolizable Energy (MJ/kg):	6.8	6.2
Sheep Intake (MJ/day):	2.0	
50kg dry, Condition score 3		
Crude Protein (%):	4	2
Pasture Height (cm):	0	3
Ground Cover (%):	60	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Photos show green leaf stressed by low moisture
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272-DC-Jan2013102-ML




	Green	Dead
Feed On Offer (kg/ha):	30	840
Digestibility (%):	39	39
Equivalent to		
Metabolizable Energy (MJ/kg):	5.1	5.1
Sheep Intake (MJ/day):	3.5	
50kg dry, Condition score 3		
Crude Protein (%):	3	3
Pasture Height (cm):	8	16
Ground Cover (%):	90	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	
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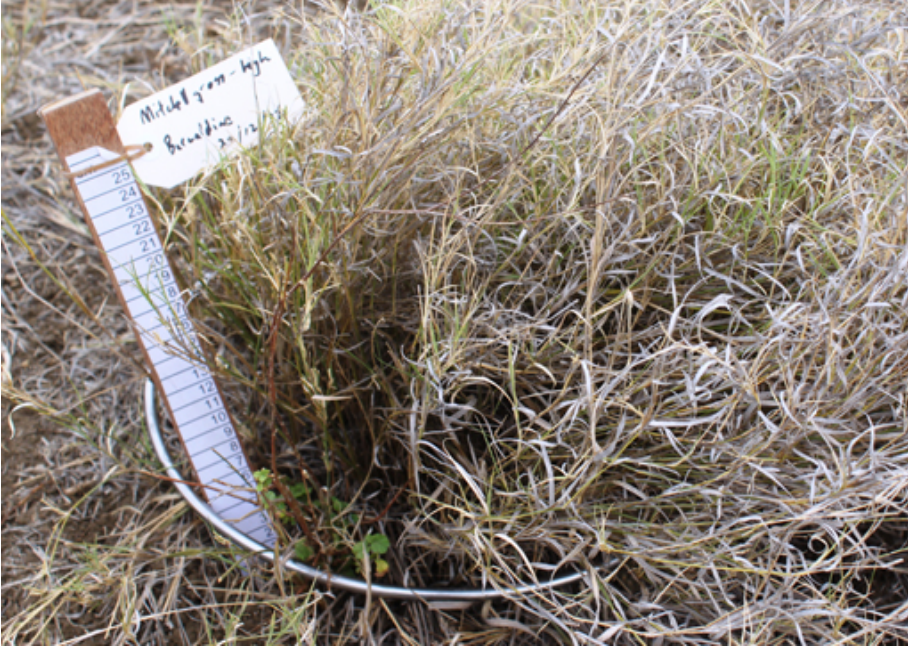
273-DC-IMG\_6729-MM




	Green	Dead
Feed On Offer (kg/ha):	90	2,130
Digestibility (%):	39	39
Equivalent to		
Metabolizable Energy (MJ/kg):	5.1	5.1
Sheep Intake (MJ/day):	3.5	
50kg dry, Condition score 3		
Crude Protein (%):	3	3
Pasture Height (cm):	10	20
Ground Cover (%):	100	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	
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274-DC-IMG\_6735-MH




	Green	Dead
Feed On Offer (kg/ha):	210	5,260
Digestibility (%):	39	39
Equivalent to		
Metabolizable Energy (MJ/kg):	5.1	5.1
Sheep Intake (MJ/day):	3.5	
50kg dry, Condition score 3		
Crude Protein (%):	3	3
Pasture Height (cm):	20	20
Ground Cover (%):	100	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Photos show green leaf stressed by low moisture
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382dcBLIMG\_3098




	Green	Dead
Feed On Offer (kg/ha):	1,000	1,408
Digestibility (%):	55	39
Equivalent to		
Metabolizable Energy (MJ/kg):	7.9	5.1
Sheep Intake (MJ/day):	10.1	
50kg dry, Condition score 3		
Crude Protein (%):	11	4.5
Pasture Height (cm):	10	10
Ground Cover (%):	50	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Excellent season, grasses growing rapidly
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383dcBMIMG\_3100




	Green	Dead
Feed On Offer (kg/ha):	3,100	2,710
Digestibility (%):	55	39
Equivalent to		
Metabolizable Energy (MJ/kg):	7.9	5.1
Sheep Intake (MJ/day):	11	
50kg dry, Condition score 3		
Crude Protein (%):	11	4.5
Pasture Height (cm):	15	15
Ground Cover (%):	60	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Excellent season, grasses growing rapidly
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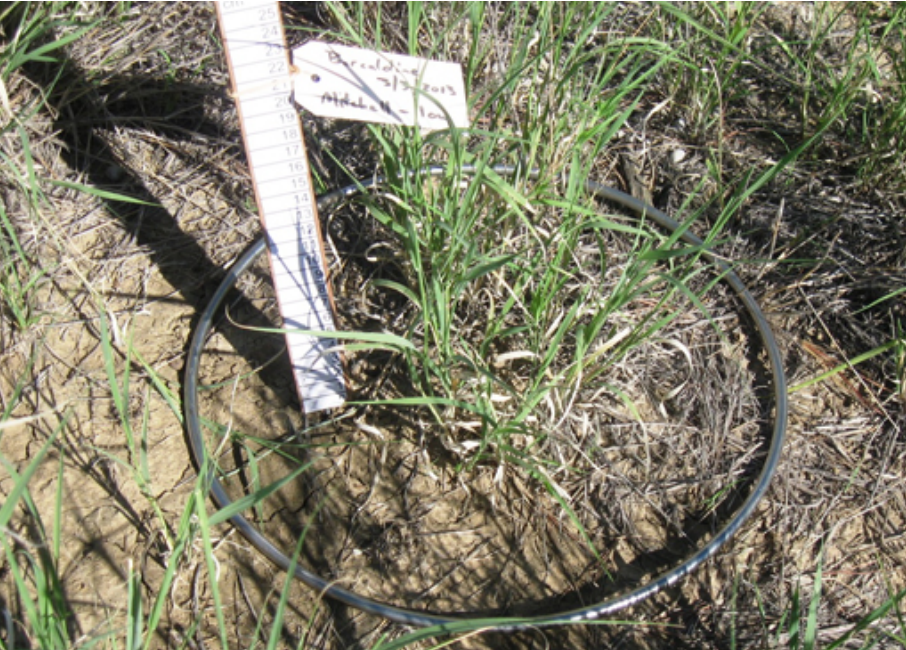
384DCBHIMG\_3101




	Green	Dead
Feed On Offer (kg/ha):	5,440	4,760
Digestibility (%):	55	39
Equivalent to		
Metabolizable Energy (MJ/kg):	7.9	5.1
Sheep Intake (MJ/day):	12	
50kg dry, Condition score 3		
Crude Protein (%):	11	4.5
Pasture Height (cm):	30	25
Ground Cover (%):	70	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Excellent season, grasses growing rapidly
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385dcMLIMG\_3105

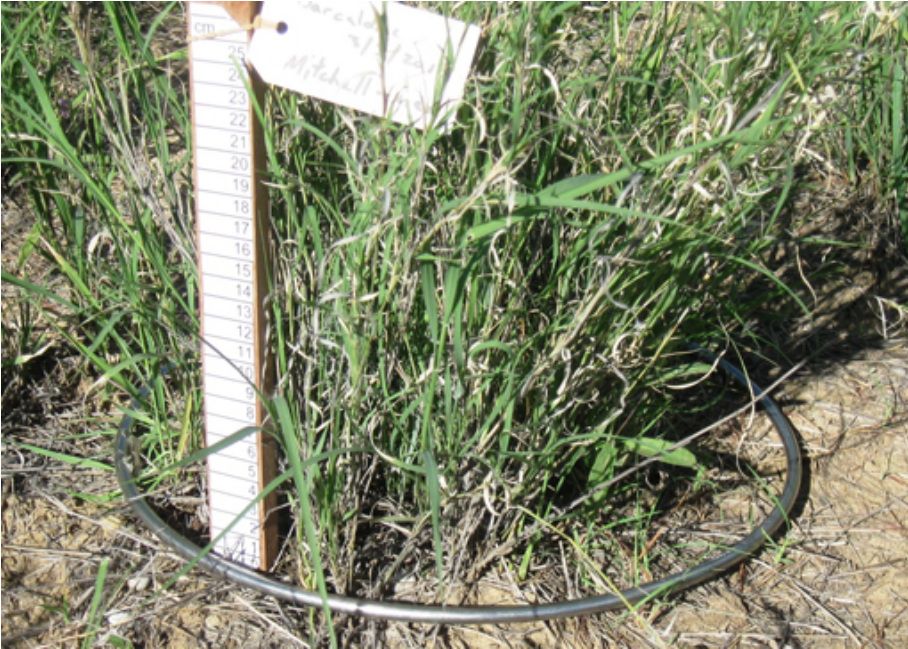



	Green	Dead
Feed On Offer (kg/ha):	500	286
Digestibility (%):	50	38
Equivalent to		
Metabolizable Energy (MJ/kg):	5.8	4.8
Sheep Intake (MJ/day):	4.7	
50kg dry, Condition score 3		
Crude Protein (%):	7	3.4
Pasture Height (cm):	15	15
Ground Cover (%):	40	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Excellent season, grasses growing rapidly
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386dcMMIMG\_3111




	Green	Dead
Feed On Offer (kg/ha):	2,120	1,220
Digestibility (%):	50	38
Equivalent to		
Metabolizable Energy (MJ/kg):	5.8	4.8
Sheep Intake (MJ/day):	4.8	
50kg dry, Condition score 3		
Crude Protein (%):	7	3.4
Pasture Height (cm):	15	15
Ground Cover (%):	50	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Excellent season, grasses growing rapidly
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387dcMHIMG\_7173




	Green	Dead
Feed On Offer (kg/ha):	4,590	7,930
Digestibility (%):	43	38
Equivalent to		
Metabolizable Energy (MJ/kg):	5.8	4.8
Sheep Intake (MJ/day):	6.9	
50kg dry, Condition score 3		
Crude Protein (%):	7	3.4
Pasture Height (cm):	25	25
Ground Cover (%):	60	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Excellent season, grasses growing rapidly
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406DCBHIMG\_8155




	Green	Dead
Feed On Offer (kg/ha):	770	15,127
Digestibility (%):	53	42
Equivalent to		
Metabolizable Energy (MJ/kg):	7.6	5.6
Sheep Intake (MJ/day):	0.8	
50kg dry, Condition score 3		
Crude Protein (%):	1.6	0.1
Pasture Height (cm):	20	30
Ground Cover (%):	95	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - rangelands	
Major Species:	Buffel grass	

Comments	
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407DCBMIMG\_8158



	Green	Dead
Feed On Offer (kg/ha):	310	6,067
Digestibility (%):	54	42
Equivalent to		
Metabolizable Energy (MJ/kg):	7.6	5.6
Sheep Intake (MJ/day):	10.9	
50kg dry, Condition score 3		
Crude Protein (%):	1.6	0.1
Pasture Height (cm):	15	25
Ground Cover (%):	80	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - rangelands	
Major Species:	Buffel grass	

Comments	
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# Lifetime Ewe Management - FOO Library Results

## QLD All Photos

408DCBLIMG\_8162




	Green	Dead
Feed On Offer (kg/ha):	130	2,521
Digestibility (%):	55	42
Equivalent to		
Metabolizable Energy (MJ/kg):	7.6	5.6
Sheep Intake (MJ/day):	9.6	
50kg dry, Condition score 3		
Crude Protein (%):	1.6	0.1
Pasture Height (cm):	5	8
Ground Cover (%):	60	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - ranglands	
Major Species:	Buffel grass	

Comments

409DCMLIMG\_8165




	Green	Dead
Feed On Offer (kg/ha):	210	2,229
Digestibility (%):	33	35
Equivalent to		
Metabolizable Energy (MJ/kg):	4	4.3
Sheep Intake (MJ/day):	6.9	
50kg dry, Condition score 3		
Crude Protein (%):	2.1	1.4
Pasture Height (cm):	15	15
Ground Cover (%):	60	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - ranglands	
Major Species:	Mitchell grass	

Comments



410DCMMIMG\_8169




	Green	Dead
Feed On Offer (kg/ha):	780	8,301
Digestibility (%):	33	35
Equivalent to		
Metabolizable Energy (MJ/kg):	4	4.3
Sheep Intake (MJ/day):	6.9	
50kg dry, Condition score 3		
Crude Protein (%):	2.1	1.4
Pasture Height (cm):	15	20
Ground Cover (%):	80	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - rangelands	
Major Species:	Mitchell grass	

Comments	
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411DCMHIMG\_8174




	Green	Dead
Feed On Offer (kg/ha):	850	9,070
Digestibility (%):	33	35
Equivalent to		
Metabolizable Energy (MJ/kg):	4	4.3
Sheep Intake (MJ/day):	6.9	
50kg dry, Condition score 3		
Crude Protein (%):	2.1	1.4
Pasture Height (cm):	25	25
Ground Cover (%):	95	
Legume (%):	1	
State:	QLD	
Location:	Central West	
Climate Zone:	Low rainfall - rangelands	
Major Species:	Mitchell grass	

Comments	
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70-DC-IMG\_2848




	Green	Dead
Feed On Offer (kg/ha):	168	5,432
Digestibility (%):	51	41
Equivalent to		
Metabolizable Energy (MJ/kg):	7.2	5.4
Sheep Intake (MJ/day):	9.5	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	24	24.0
Ground Cover (%):	100	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Frost damage on remaining green shoots
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71-DC-IMG\_2851




	Green	Dead
Feed On Offer (kg/ha):	100	3,336
Digestibility (%):	51	41
Equivalent to		
Metabolizable Energy (MJ/kg):	7.2	5.4
Sheep Intake (MJ/day):	9.3	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	21	21.0
Ground Cover (%):	80	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Frost damage on remaining green shoots
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72-DC-IMG\_2853




	Green	Dead
Feed On Offer (kg/ha):	500	4,000
Digestibility (%):	51	41
Equivalent to		
Metabolizable Energy (MJ/kg):	7.2	5.4
Sheep Intake (MJ/day):	8.7	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	15	15.0
Ground Cover (%):	60	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Buffel grass	

Comments	Frost damage on remaining green shoots
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73-DC-IMG\_2855




	Green	Dead
Feed On Offer (kg/ha):	70	3,530
Digestibility (%):	40	37
Equivalent to		
Metabolizable Energy (MJ/kg):	5.2	4.8
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	25	25.0
Ground Cover (%):	100	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Frost damage on remaining green shoots
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74-DC-IMG\_2861




	Green	Dead
Feed On Offer (kg/ha):	130	4,074
Digestibility (%):	40	37
Equivalent to		
Metabolizable Energy (MJ/kg):	5.2	4.8
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	25	25.0
Ground Cover (%):	80	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Frost damage on remaining green shoots
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75-DC-IMG\_2865



	Green	Dead
Feed On Offer (kg/ha):	40	1,640
Digestibility (%):	40	37
Equivalent to		
Metabolizable Energy (MJ/kg):	5.2	4.8
Sheep Intake (MJ/day):	6.8	
50kg dry, Condition score 3		
Crude Protein (%):	5	3.1
Pasture Height (cm):	15	15.0
Ground Cover (%):	60	
Legume (%):	3	
State:	QLD	
Location:	Central West	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Mitchell grass	

Comments	Frost damage on remaining green shoots
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