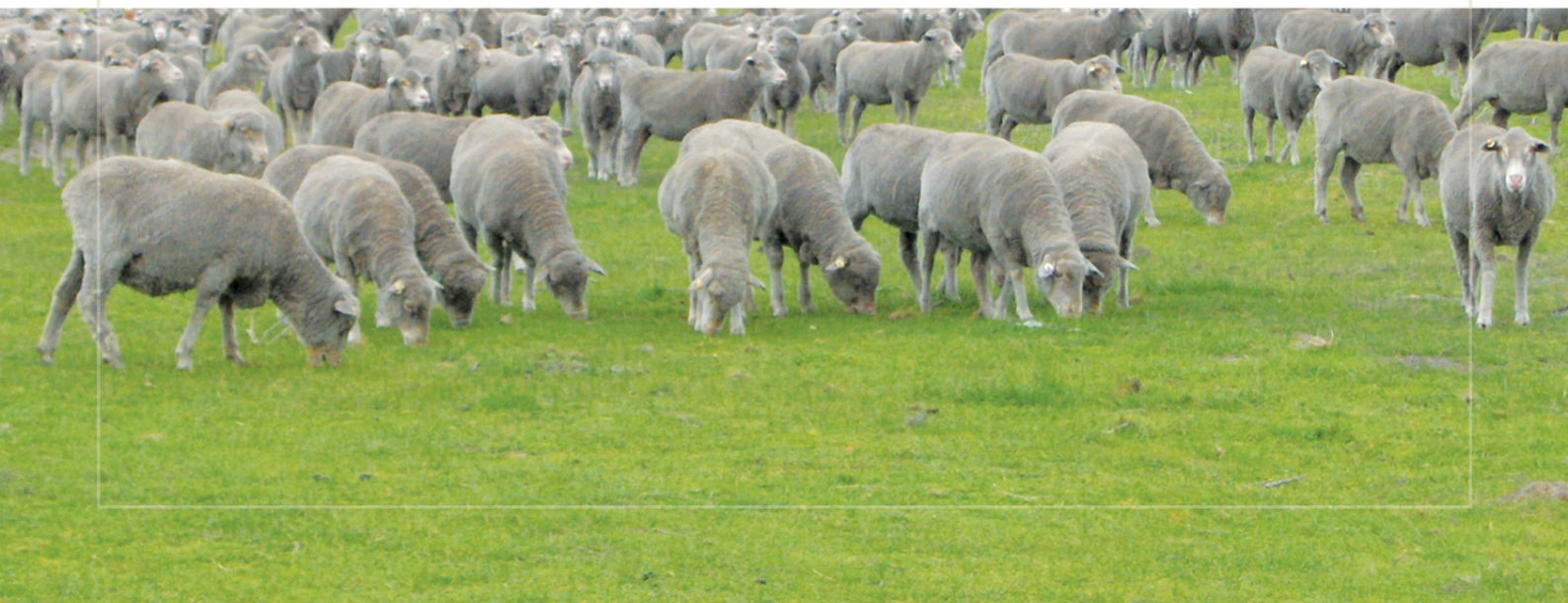


Feed on Offer Photo Library

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
WA Kikuyu

24ED-Dobbe030712-3




	Green	Dead
Feed On Offer (kg/ha):	38	40
Digestibility (%):	75	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.3	7.6
Sheep Intake (MJ/day):	4.4	
50kg dry, Condition score 3		
Crude Protein (%):	26	10.1
Pasture Height (cm):	1	0.5
Ground Cover (%):	90	
Legume (%):	5	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Frost effected tips of leaves
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250-Dobbe_Oct_KLA




	Green	Dead
Feed On Offer (kg/ha):	1,090	130
Digestibility (%):	73	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day):	12.5	
50kg dry, Condition score 3		
Crude Protein (%):	25	13
Pasture Height (cm):	3	1
Ground Cover (%):	100	
Legume (%):	30	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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251-Dobbe_Oct_KMA




	Green	Dead
Feed On Offer (kg/ha):	1,600	60
Digestibility (%):	73	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	8.1
Sheep Intake (MJ/day):	15.0	
50kg dry, Condition score 3		
Crude Protein (%):	25	13
Pasture Height (cm):	6	1
Ground Cover (%):	100	
Legume (%):	40	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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253-Dobbe_Oct-H




	Green	Dead
Feed On Offer (kg/ha):	1,450	90
Digestibility (%):	82	64
Equivalent to		
Metabolizable Energy (MJ/kg):	12.4	9.4
Sheep Intake (MJ/day):	11.4	
50kg dry, Condition score 3		
Crude Protein (%):	26	14
Pasture Height (cm):	1.5	1
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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254-Dobbe_Oct-L




	Green	Dead
Feed On Offer (kg/ha):	550	120
Digestibility (%):	73	64
Equivalent to		
Metabolizable Energy (MJ/kg):	10.8	9.4
Sheep Intake (MJ/day):	8.1	
50kg dry, Condition score 3		
Crude Protein (%):	18	14
Pasture Height (cm):	1	1
Ground Cover (%):	80	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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255-Dobbe_Oct-M4




	Green	Dead
Feed On Offer (kg/ha):	780	70
Digestibility (%):	73	64
Equivalent to		
Metabolizable Energy (MJ/kg):	10.8	9.4
Sheep Intake (MJ/day):	10.5	
50kg dry, Condition score 3		
Crude Protein (%):	18	14
Pasture Height (cm):	1.5	1
Ground Cover (%):	90	
Legume (%):	5	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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256-Dobbe_Oct-VH




	Green	Dead
Feed On Offer (kg/ha):	1,790	130
Digestibility (%):	82	64
Equivalent to		
Metabolizable Energy (MJ/kg):	12.4	9.4
Sheep Intake (MJ/day):	12.9	
50kg dry, Condition score 3		
Crude Protein (%):	26	14
Pasture Height (cm):	4	2
Ground Cover (%):	100	
Legume (%):	10	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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25ED-Dobbe030712




	Green	Dead
Feed On Offer (kg/ha):	171	60
Digestibility (%):	75	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.3	7.6
Sheep Intake (MJ/day):	9	
50kg dry, Condition score 3		
Crude Protein (%):	26	10.1
Pasture Height (cm):	2	1.0
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Frost effected tips of leaves
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Lifetime Ewe Management - FOO Library Results
WA Kikuyu

26ED-Dobbe-030712-2




	Green	Dead
Feed On Offer (kg/ha):	266	230
Digestibility (%):	75	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.3	7.6
Sheep Intake (MJ/day):	9.0	
50kg dry, Condition score 3		
Crude Protein (%):	26	10.1
Pasture Height (cm):	2.5	1.0
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Frost effected tips of leaves
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27ED-Dobbe030712




	Green	Dead
Feed On Offer (kg/ha):	285	30
Digestibility (%):	75	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.3	7.6
Sheep Intake (MJ/day):	13.1	
50kg dry, Condition score 3		
Crude Protein (%):	26	10.1
Pasture Height (cm):	3.5	1.0
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Frost effected tips of leaves
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28ED-Dobbe020712-2




	Green	Dead
Feed On Offer (kg/ha):	665	170
Digestibility (%):	71	54
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	7.7
Sheep Intake (MJ/day):	11	
50kg dry, Condition score 3		
Crude Protein (%):	22	9.8
Pasture Height (cm):	2.5	1.0
Ground Cover (%):	90	
Legume (%):	10	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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29ED-Dobbe020712




	Green	Dead
Feed On Offer (kg/ha):	960	90
Digestibility (%):	71	54
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	7.7
Sheep Intake (MJ/day):	12.6	
50kg dry, Condition score 3		
Crude Protein (%):	22	9.8
Pasture Height (cm):	3.5	1.0
Ground Cover (%):	100	
Legume (%):	50	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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30ED-Dobbe020712-1




	Green	Dead
Feed On Offer (kg/ha):	1,216	190
Digestibility (%):	74	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.2	7.7
Sheep Intake (MJ/day):	12.9	
50kg dry, Condition score 3		
Crude Protein (%):	22	9.8
Pasture Height (cm):	5	1.0
Ground Cover (%):	100	
Legume (%):	50	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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31ED-Dobbe020712-3




	Green	Dead
Feed On Offer (kg/ha):	1,454	330
Digestibility (%):	74	54
Equivalent to		
Metabolizable Energy (MJ/kg):	11.2	7.7
Sheep Intake (MJ/day):	13.2	
50kg dry, Condition score 3		
Crude Protein (%):	22	9.8
Pasture Height (cm):	7	1.0
Ground Cover (%):	100	
Legume (%):	20	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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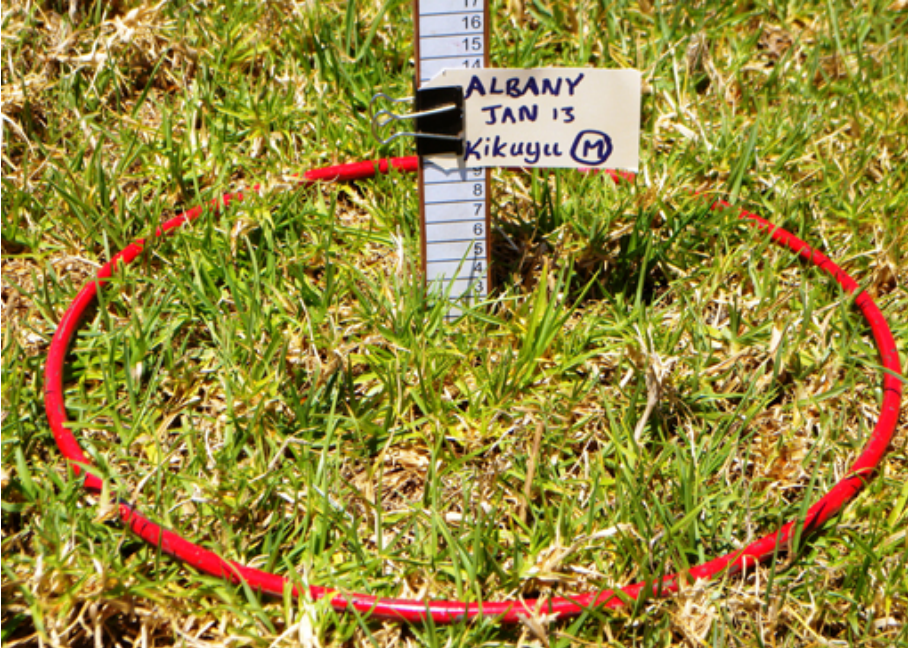
321edALBKLDSCN1675




	Green	Dead
Feed On Offer (kg/ha):	70	170
Digestibility (%):	70	47
Equivalent to		
Metabolizable Energy (MJ/kg):	11	6.4
Sheep Intake (MJ/day):	7.9	
50kg dry, Condition score 3		
Crude Protein (%):	23	11.9
Pasture Height (cm):	2	1
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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322edALBKMDSCN1677




	Green	Dead
Feed On Offer (kg/ha):	160	260
Digestibility (%):	70	47
Equivalent to		
Metabolizable Energy (MJ/kg):	11	6.4
Sheep Intake (MJ/day):	7.8	
50kg dry, Condition score 3		
Crude Protein (%):	23	11.9
Pasture Height (cm):	2	1
Ground Cover (%):	95	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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323edALBKHDSCN1678




	Green	Dead
Feed On Offer (kg/ha):	200	240
Digestibility (%):	70	47
Equivalent to		
Metabolizable Energy (MJ/kg):	11	6.4
Sheep Intake (MJ/day):	9.4	
50kg dry, Condition score 3		
Crude Protein (%):	23	11.9
Pasture Height (cm):	3	1
Ground Cover (%):	95	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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324edALBKVHDSN1680




	Green	Dead
Feed On Offer (kg/ha):	350	620
Digestibility (%):	70	47
Equivalent to		
Metabolizable Energy (MJ/kg):	11	6.4
Sheep Intake (MJ/day):	10.8	
50kg dry, Condition score 3		
Crude Protein (%):	23	11.9
Pasture Height (cm):	4	1
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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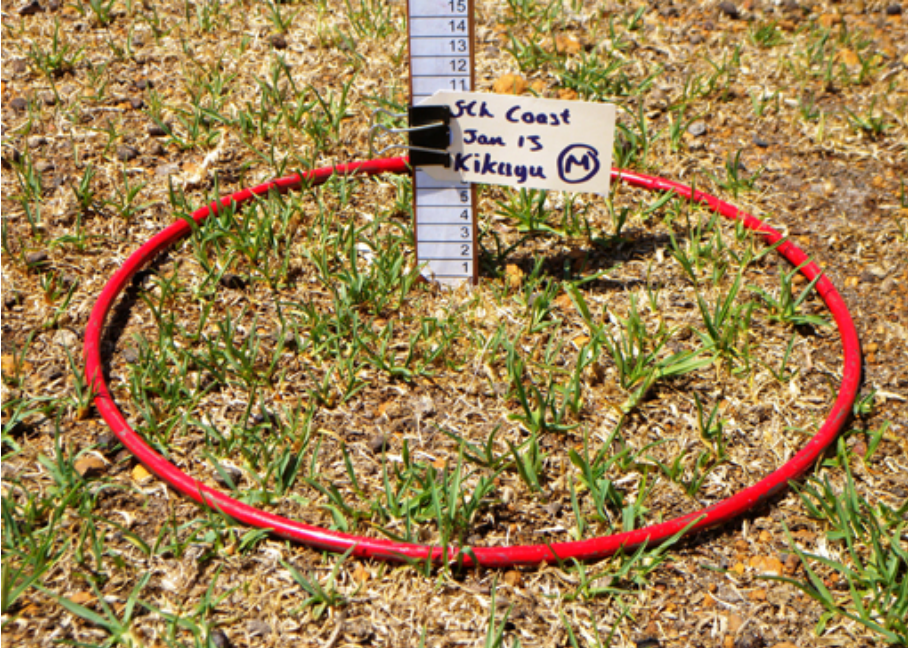
325edSCKLDSCN1688




	Green	Dead
Feed On Offer (kg/ha):	620	1,300
Digestibility (%):	67	58
Equivalent to		
Metabolizable Energy (MJ/kg):	9.8	8.3
Sheep Intake (MJ/day):	9.6	
50kg dry, Condition score 3		
Crude Protein (%):	10	6.3
Pasture Height (cm):	2	2
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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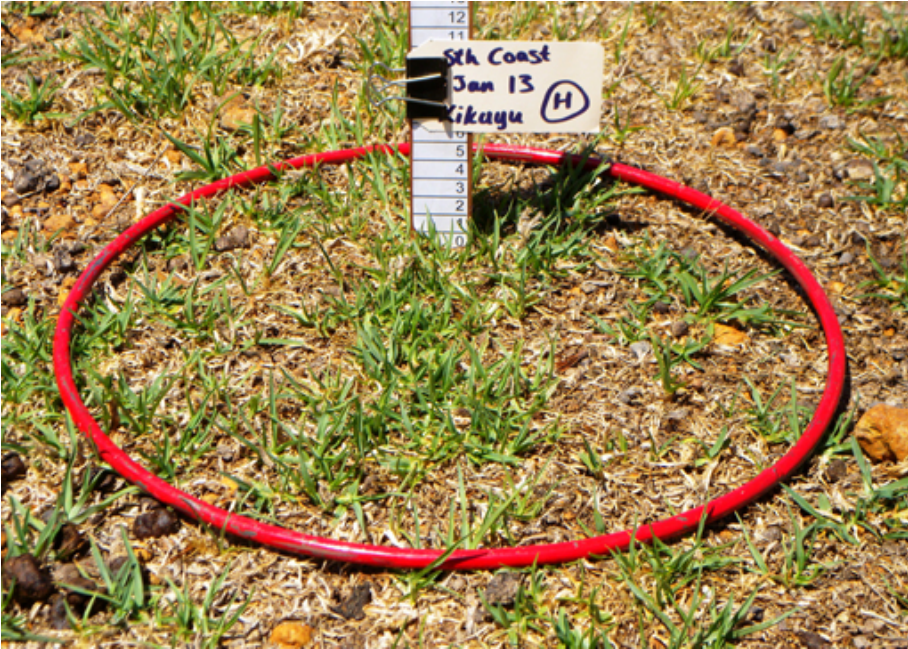
326edSCKMDSCN1689




	Green	Dead
Feed On Offer (kg/ha):	1,190	1,720
Digestibility (%):	67	58
Equivalent to		
Metabolizable Energy (MJ/kg):	9.8	8.3
Sheep Intake (MJ/day):	11.2	
50kg dry, Condition score 3		
Crude Protein (%):	10	6.3
Pasture Height (cm):	3	3
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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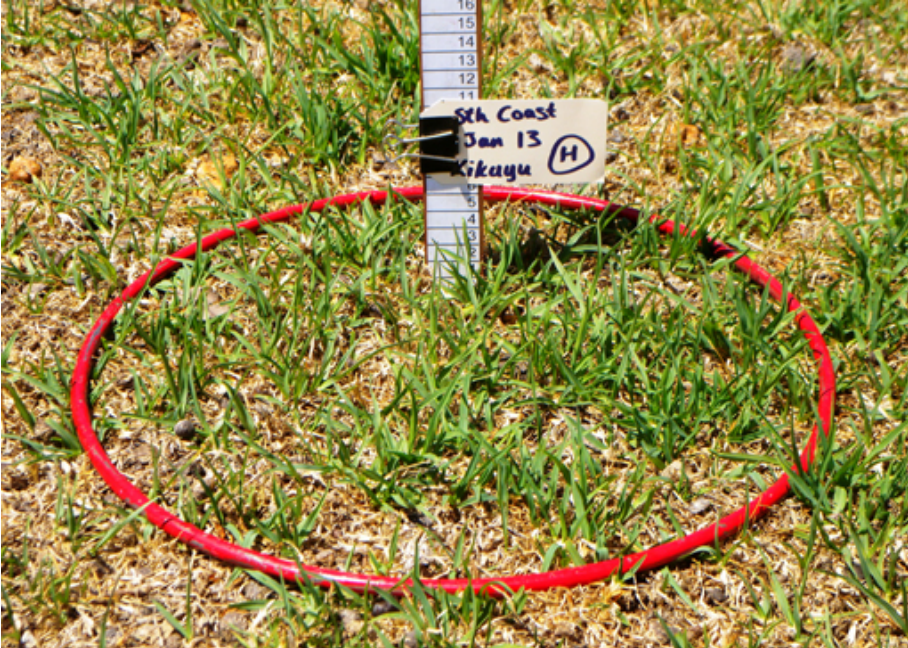
327edSCKHHigh




	Green	Dead
Feed On Offer (kg/ha):	1,270	1,830
Digestibility (%):	69	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.2	8.1
Sheep Intake (MJ/day):	12.6	
50kg dry, Condition score 3		
Crude Protein (%):	11	6.8
Pasture Height (cm):	4	5
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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328edSCKVHvHigh




	Green	Dead
Feed On Offer (kg/ha):	1,300	2,650
Digestibility (%):	69	56
Equivalent to		
Metabolizable Energy (MJ/kg):	10.2	8.1
Sheep Intake (MJ/day):	12.5	
50kg dry, Condition score 3		
Crude Protein (%):	11	6.8
Pasture Height (cm):	5	7
Ground Cover (%):	100	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Kikuyu

420EDKHA**I**bany High




	Green	Dead
Feed On Offer (kg/ha):	990	130
Digestibility (%):	73	53
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	7.4
Sheep Intake (MJ/day):	13.8	
50kg dry, Condition score 3		
Crude Protein (%):	18.5	8.5
Pasture Height (cm):	8	2
Ground Cover (%):	100	
Legume (%):	30	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Season has already broken
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421EDKA**I**banyVHigh




	Green	Dead
Feed On Offer (kg/ha):	1,630	170
Digestibility (%):	73	53
Equivalent to		
Metabolizable Energy (MJ/kg):	10.9	7.4
Sheep Intake (MJ/day):	14.4	
50kg dry, Condition score 3		
Crude Protein (%):	18.5	8.5
Pasture Height (cm):	10	2
Ground Cover (%):	100	
Legume (%):	40	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Season has already broken
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422EDKAlbany_low




	Green	Dead
Feed On Offer (kg/ha):	520	220
Digestibility (%):	73	55
Equivalent to		
Metabolizable Energy (MJ/kg):	11	7.9
Sheep Intake (MJ/day):	11.1	
50kg dry, Condition score 3		
Crude Protein (%):	19.4	7.9
Pasture Height (cm):	3	1
Ground Cover (%):	100	
Legume (%):	40	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Season has already broken
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423EDKAlbany_medium




	Green	Dead
Feed On Offer (kg/ha):	670	280
Digestibility (%):	73	55
Equivalent to		
Metabolizable Energy (MJ/kg):	11	7.9
Sheep Intake (MJ/day):	12.8	
50kg dry, Condition score 3		
Crude Protein (%):	19.4	7.9
Pasture Height (cm):	6	2
Ground Cover (%):	100	
Legume (%):	30	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Season has already broken
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428EDKsthCoast_low




	Green	Dead
Feed On Offer (kg/ha):	140	0
Digestibility (%):	72	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.7	NA
Sheep Intake (MJ/day):	4.5	
50kg dry, Condition score 3		
Crude Protein (%):	20.5	NA
Pasture Height (cm):	0.5	NA
Ground Cover (%):	60	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Better than average season
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429EDKSthCoastMedium




	Green	Dead
Feed On Offer (kg/ha):	270	0
Digestibility (%):	72	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.7	NA
Sheep Intake (MJ/day):	7.7	
50kg dry, Condition score 3		
Crude Protein (%):	20.5	NA
Pasture Height (cm):	1	NA
Ground Cover (%):	70	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Better than average season
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Lifetime Ewe Management - FOO Library Results
WA Kikuyu

430EDKSthCoastHigh




	Green	Dead
Feed On Offer (kg/ha):	480	0
Digestibility (%):	76	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.5	NA
Sheep Intake (MJ/day):	11.8	
50kg dry, Condition score 3		
Crude Protein (%):	22.5	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Better than average season
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431EDKSthCoastVH



	Green	Dead
Feed On Offer (kg/ha):	750	0
Digestibility (%):	76	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.5	NA
Sheep Intake (MJ/day):	12.2	
50kg dry, Condition score 3		
Crude Protein (%):	22.5	NA
Pasture Height (cm):	4	NA
Ground Cover (%):	95	
Legume (%):	0	
State:	WA	
Location:	South Coast	
Climate Zone:	Mediterranean	
Major Species:	Kikuyu	

Comments	Better than average season
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