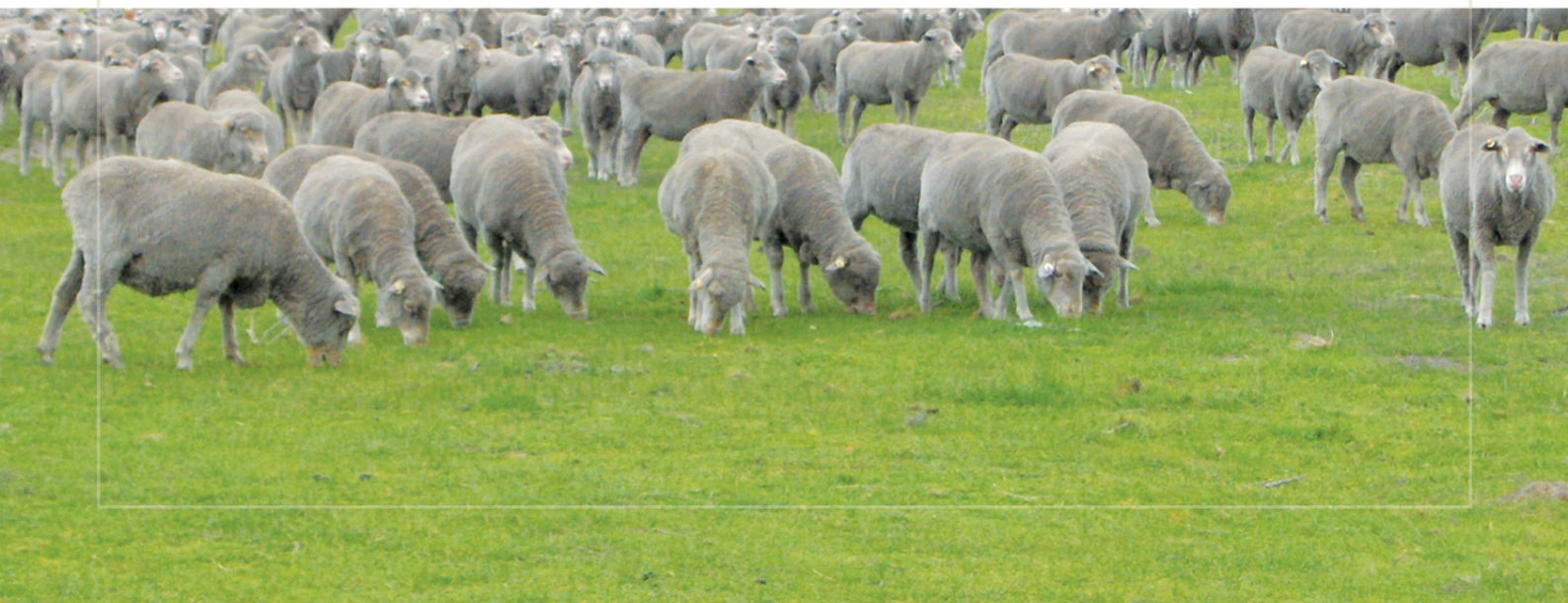


Feed on Offer Photo Library

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 Winter Annual Pastures

1500-FOObarleygrass-winter




	Green	Dead
Feed On Offer (kg/ha):	1,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	4	NA
Ground Cover (%):	98	
Legume (%):	1	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	
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1500FOOryegrasswinter




	Green	Dead
Feed On Offer (kg/ha):	1,500	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	5	NA
Ground Cover (%):	100	
Legume (%):	5	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Annual ryegrass	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

1600FOOcloywint




	Green	Dead
Feed On Offer (kg/ha):	1,600	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	14.7	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	100	
Legume (%):	99	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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1700mixedwint




	Green	Dead
Feed On Offer (kg/ha):	1,700	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	14.8	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	100	
Legume (%):	99	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

1800fooclowwinter




	Green	Dead
Feed On Offer (kg/ha):	1,800	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	NA
Sheep Intake (MJ/day):	16	
50kg dry, Condition score 3		
Crude Protein (%):	27	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	100	
Legume (%):	99	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Sub clover	

Comments	
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516RBLRZ-Corrigin-040713-003



	Green	Dead
Feed On Offer (kg/ha):	710	0
Digestibility (%):	77	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.6	NA
Sheep Intake (MJ/day):	9.3	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	1	NA
Ground Cover (%):	40	
Legume (%):	80	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Burr medic	


Comments	Moisture stressed, grasses starting to die, 1st year pasture after crop
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Lifetime Ewe Management - FOO Library Results

WA Winter Annual Pastures

517RBMLRZ-Corrigin-040713-009




	Green	Dead
Feed On Offer (kg/ha):	1,690	0
Digestibility (%):	72	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.8	NA
Sheep Intake (MJ/day):	12.8	
50kg dry, Condition score 3		
Crude Protein (%):	24	NA
Pasture Height (cm):	2	NA
Ground Cover (%):	70	
Legume (%):	80	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Burr medic	

Comments	Moisture stressed, grasses starting to die, 1st year pasture after crop
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518RBHLRZ-Corrigin-040713-013




	Green	Dead
Feed On Offer (kg/ha):	2,160	0
Digestibility (%):	75	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.2	NA
Sheep Intake (MJ/day):	14.2	
50kg dry, Condition score 3		
Crude Protein (%):	26	NA
Pasture Height (cm):	2	NA
Ground Cover (%):	95	
Legume (%):	50	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Burr medic	

Comments	Moisture stressed, grasses starting to die, 1st year pasture after crop
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

519RBVHLRZ-Corrigin-040713-019




	Green	Dead
Feed On Offer (kg/ha):	2,450	0
Digestibility (%):	78	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.7	NA
Sheep Intake (MJ/day):	14.7	
50kg dry, Condition score 3		
Crude Protein (%):	25	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	85	
Legume (%):	10	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Marsh mellow	

Comments	Moisture stressed, grasses starting to die, 1st year pasture after crop
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51RB-FOOphotos-180712-Narrogin011




	Green	Dead
Feed On Offer (kg/ha):	945	0
Digestibility (%):	79	0
Equivalent to		
Metabolizable Energy (MJ/kg):	11.9	0.0
Sheep Intake (MJ/day):	13	
50kg dry, Condition score 3		
Crude Protein (%):	16	0.0
Pasture Height (cm):	2	0.0
Ground Cover (%):	90	
Legume (%):	30	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

520RB2LLRZ-Corrigin-040713-022




	Green	Dead
Feed On Offer (kg/ha):	820	0
Digestibility (%):	70	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.5	NA
Sheep Intake (MJ/day):	7.2	
50kg dry, Condition score 3		
Crude Protein (%):	23	NA
Pasture Height (cm):	1	NA
Ground Cover (%):	30	
Legume (%):	95	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	Moisture stressed, grasses starting to die, 2nd year pasture after crop
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521RB2MLRZ-Corrigin-040713-030




	Green	Dead
Feed On Offer (kg/ha):	2,020	0
Digestibility (%):	77	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.7	NA
Sheep Intake (MJ/day):	14.1	
50kg dry, Condition score 3		
Crude Protein (%):	24	NA
Pasture Height (cm):	2	NA
Ground Cover (%):	100	
Legume (%):	25	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	Moisture stressed, grasses starting to die, 2nd year pasture after crop
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

522RB2HLRZ-Corrigin-040713-034




	Green	Dead
Feed On Offer (kg/ha):	2,430	0
Digestibility (%):	68	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	10.1	NA
Sheep Intake (MJ/day):	10.2	
50kg dry, Condition score 3		
Crude Protein (%):	22	NA
Pasture Height (cm):	2	NA
Ground Cover (%):	95	
Legume (%):	80	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	Moisture stressed, grasses starting to die, 2nd year pasture after crop
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523RB2VHLRZ-Corrigin-040713-039




	Green	Dead
Feed On Offer (kg/ha):	3,310	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	12.2	NA
Sheep Intake (MJ/day):	15.6	
50kg dry, Condition score 3		
Crude Protein (%):	21	NA
Pasture Height (cm):	4	NA
Ground Cover (%):	100	
Legume (%):	25	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	Moisture stressed, grasses starting to die, 2nd year pasture after crop
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

52RB-FOOphotos-180712-Narrogin007




	Green	Dead
Feed On Offer (kg/ha):	1,010	0
Digestibility (%):	85	0
Equivalent to		
Metabolizable Energy (MJ/kg):	13	0.0
Sheep Intake (MJ/day):	14	
50kg dry, Condition score 3		
Crude Protein (%):	23	0.0
Pasture Height (cm):	3	0.0
Ground Cover (%):	100	
Legume (%):	20	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Barley grass	

Comments	
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53RB-FOOphotos-180712-Narrogin010




	Green	Dead
Feed On Offer (kg/ha):	1,141	0
Digestibility (%):	84	0
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	0.0
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	24	0.0
Pasture Height (cm):	5	0.0
Ground Cover (%):	100	
Legume (%):	15	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

54RB-FOOphotos-180712-Narrogin006




	Green	Dead
Feed On Offer (kg/ha):	1,914	0
Digestibility (%):	88	0
Equivalent to		
Metabolizable Energy (MJ/kg):	13.4	0.0
Sheep Intake (MJ/day):	16	
50kg dry, Condition score 3		
Crude Protein (%):	27	0.0
Pasture Height (cm):	8	0.0
Ground Cover (%):	100	
Legume (%):	1	
State:	WA	
Location:	Great Southern	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	
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55-Curnow-310FOOLOWJuly2012




	Green	Dead
Feed On Offer (kg/ha):	310	0
Digestibility (%):	75	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11.1	NA
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	20	NA
Pasture Height (cm):	7	NA
Ground Cover (%):	40	
Legume (%):	0	
State:	WA	
Location:	Central wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Barley	

Comments	Late germination and some droughting
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Lifetime Ewe Management - FOO Library Results
WA Winter Annual Pastures

56-Curnow-220FOOLOWJuly2012019




	Green	Dead
Feed On Offer (kg/ha):	220	0
Digestibility (%):	75	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	11	NA
Sheep Intake (MJ/day):	15	
50kg dry, Condition score 3		
Crude Protein (%):	21	NA
Pasture Height (cm):	5	NA
Ground Cover (%):	25	
Legume (%):	0	
State:	WA	
Location:	Central wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Barley	

Comments	Late germination and some droughting
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57-BruceRockAugust2012Young5



	Green	Dead
Feed On Offer (kg/ha):	230	2,220
Digestibility (%):	80	25
Equivalent to		
Metabolizable Energy (MJ/kg):	12.3	5.4
Sheep Intake (MJ/day):	8.8	
50kg dry, Condition score 3		
Crude Protein (%):	16	3.4
Pasture Height (cm):	1.5	1.5
Ground Cover (%):	40	
Legume (%):	0	
State:	WA	
Location:	Central wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	


Comments	Late break grazed 6 weeks prior
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Lifetime Ewe Management - FOO Library Results

WA Winter Annual Pastures

58-BruceRockAugust2012Young8




	Green	Dead
Feed On Offer (kg/ha):	1,170	2,350
Digestibility (%):	80	25
Equivalent to		
Metabolizable Energy (MJ/kg):	12.3	5.4
Sheep Intake (MJ/day):	13	
50kg dry, Condition score 3		
Crude Protein (%):	16	3.4
Pasture Height (cm):	5	3.0
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	Central wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	Late break grazed 6 weeks prior
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59-BruceRockAugust2012Young2



	Green	Dead
Feed On Offer (kg/ha):	970	1,830
Digestibility (%):	80	25
Equivalent to		
Metabolizable Energy (MJ/kg):	12.3	5.4
Sheep Intake (MJ/day):	12	
50kg dry, Condition score 3		
Crude Protein (%):	16	3.4
Pasture Height (cm):	3	2.0
Ground Cover (%):	90	
Legume (%):	0	
State:	WA	
Location:	Central wheatbelt	
Climate Zone:	Mediterranean	
Major Species:	Cape weed	

Comments	Late break grazed 6 weeks prior
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