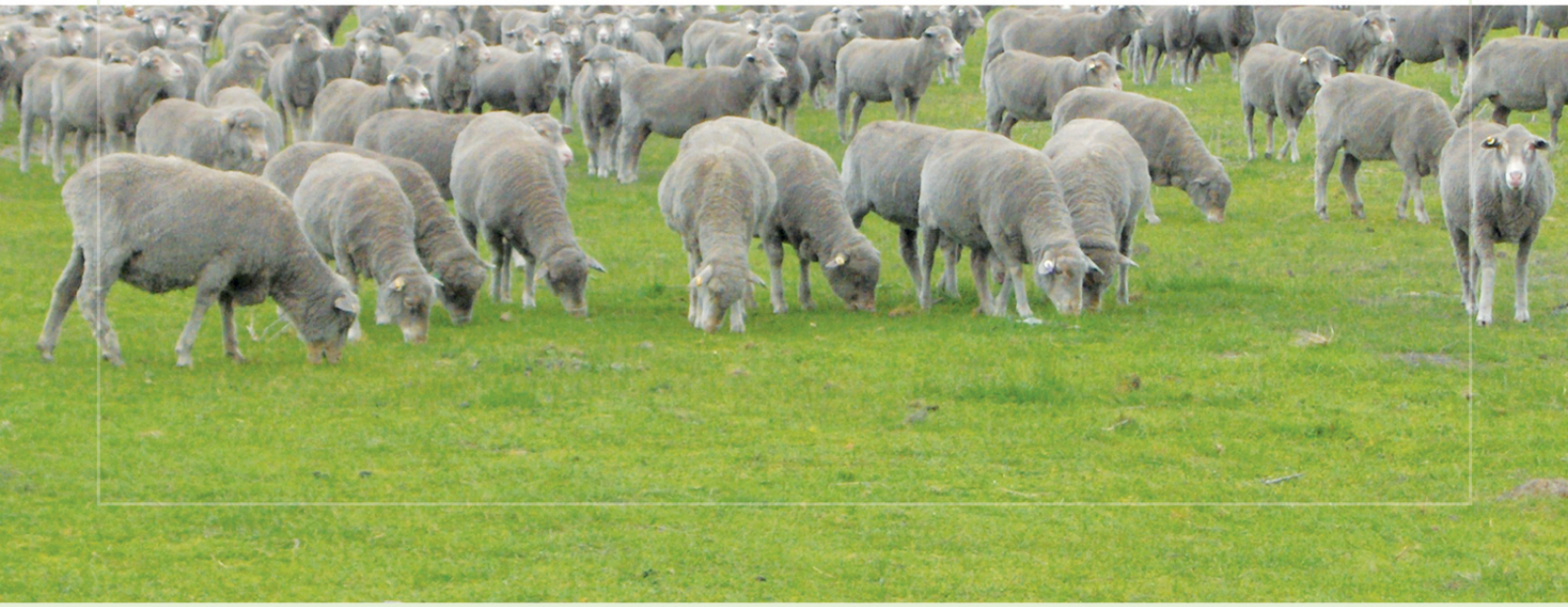
Feed on Offer Photo Library

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 Australian Wool Innovation Limited

Lifetime Ewe Management

RIST RURAL INDUSTRIES SKILL TRAINING

Lifetime Ewe Management - FOO Library Results

NSW Rangelands

396gaCottonbush2

	Green	Dead
Feed On Offer (kg/ha):	650	0
Digestibility (%): Equivalent to	51	NA
Metabolizable Energy (MJ/kg):	7.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	8	
Crude Protein (%):	11	NA
Pasture Height (cm):	100	0
Ground Cover (%):	60	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Cotton bush	

Comments	Combined wet chemistry and NIR analysis, Adelaide asessment method used to calculate FOO

397gaDanthonia

	Green	Dead
Feed On Offer (kg/ha):	0	2,000
Digestibility (%): Equivalent to	NA	39
Metabolizable Energy (MJ/kg):	NA	5.2
Sheep Intake (MJ/day): 50kg dry, Condition score 3	5.3	
Crude Protein (%):	NA	5.4
Pasture Height (cm):	NA	20
Ground Cover (%):	80	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	5 months since any significant rain

Lifetime Ewe Management - FOO Library Results

NSW Rangelands

398gaDillon-bush-no-Berry

	Green	Dead
Feed On Offer (kg/ha):	900	0
Digestibility (%): Equivalent to	62	NA
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.6	
Crude Protein (%):	20	NA
Pasture Height (cm):	200	0
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Dillon bush - leaf	

Comments	Combined wet chemistry and NIR analysis, Adelaide asessment method used to calculate FOO

399Dillon-Bush-Berry

	Green	Dead
Feed On Offer (kg/ha):	900	0
Digestibility (%): Equivalent to	69	NA
Metabolizable Energy (MJ/kg):	10.8	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.3	
Crude Protein (%):	14	NA
Pasture Height (cm):	200	0
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Dillon bush - berry	

Comments	Wet chemistry analysis undertaken Adelaide asessment method used to calculate FOO

Lifetime Ewe Management - FOO Library Results

NSW Rangelands

524GACotton_Bush_wint13

	Green	Dead
Feed On Offer (kg/ha):	NA	NA
Digestibility (%): Equivalent to	49	NA
Metabolizable Energy (MJ/kg):	6.8	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	NA	
Crude Protein (%):	20	NA
Pasture Height (cm):	50	NA
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Cotton bush	

Comments	Late winter, Wet chemistry

525GADanthonia-Early-wint13

	Green	Dead
Feed On Offer (kg/ha):	1000	900
Digestibility (%): Equivalent to	38	36
Metabolizable Energy (MJ/kg):	4.8	4.1
Sheep Intake (MJ/day): 50kg dry, Condition score 3	7.6	
Crude Protein (%):	11	5
Pasture Height (cm):	20	15
Ground Cover (%):	60	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	Early new growth after spring rain. Wet chemistry

Lifetime Ewe Management - FOO Library Results

NSW Rangelands

526GADanthonia_wint13

	Green	Dead
Feed On Offer (kg/ha):	650	5000
Digestibility (%): Equivalent to	31	34
Metabolizable Energy (MJ/kg):	3.8	3.8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	9.2	
Crude Protein (%):	6	5
Pasture Height (cm):	30	20
Ground Cover (%):	80	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Wallaby grass	

Comments	Wet chemistry. Early spring after low rainfall

527GADillon_Bush_wint13

	Green	Dead
Feed On Offer (kg/ha):	NA	NA
Digestibility (%): Equivalent to	70	NA
Metabolizable Energy (MJ/kg):	10.4	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	NA	
Crude Protein (%):	29	NA
Pasture Height (cm):	200	NA
Ground Cover (%):	50	
Legume (%):	0	
State:	NSW	
Location:	Southern Riverina	
Climate Zone:	Low Rainfall/Rangelands	
Major Species:	Dillon bush	

Comments	Late winter, Wet chemistry