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 Counsel

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.









		Green	Dead
Ų	Feed On Offer (kg/ha):	700	100
K	Digestibility (%): Equivalent to	73	55
1	Metabolizable Energy (MJ/kg):	11.4	8
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	9.1	
Ž	Crude Protein (%):	22	12
	Pasture Height (cm):	1.5	1.0
	Ground Cover (%):	8	5
	Legume (%):	5	
Š	State:	VIC	
Ŷ	Location:	South West	
	Climate Zone:	Cool Ter	mperate
	Major Species:	Perer ryeg	

Comments



		Green	Dead
	Feed On Offer (kg/ha):	900	150
ť	Digestibility (%): Equivalent to	75	55
1	Metabolizable Energy (MJ/kg):	12.0	8.0
Ì	Sheep Intake (MJ/day): 50kg dry, Condition score 3	11	
	Crude Protein (%):	25	12.0
	Pasture Height (cm):	2	1.0
Ò	Ground Cover (%):	90	
	Legume (%):	10	
À	State:	VIC	
	Location:	South West	
	Climate Zone:	Cool Temperate	
1	Major Species:	Perennial ryegrass	







		Green	Dead
Ϋ́	Feed On Offer (kg/ha):	1,100	150
X	Digestibility (%): Equivalent to	78	55
	Metabolizable Energy (MJ/kg):	12.4	8.0
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	13	
	Crude Protein (%):	25	12.0
T L	Pasture Height (cm):	2	1.0
1	Ground Cover (%):	9	7
7	Legume (%):	15	
	State:	VIC	
	Location:	South West	
A	Climate Zone:	Cool Temperate	
	Major Species:	Perennial ryegrass	

Comments



		Green	Dead
X	Feed On Offer (kg/ha):	1,300	150
	Digestibility (%): Equivalent to	78	55
V	Metabolizable Energy (MJ/kg):	12.4	8.0
N	Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.4	
	Crude Protein (%):	25	12.0
ş	Pasture Height (cm):	2.5	2.0
	Ground Cover (%):	10	00
	Legume (%):	1	5
	State:	VI	С
	Location:	South West	
X	Climate Zone:	Cool Temperate	
V.	Major Species:	Perennial ryegrass	







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Comments



		Green	Dead
1	Feed On Offer (kg/ha):	1,700	200
ý	Digestibility (%): Equivalent to	80	55
ķ	Metabolizable Energy (MJ/kg):	12.8	8.0
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
	Crude Protein (%):	25	12.0
ě	Pasture Height (cm):	4	2.0
	Ground Cover (%):	10	00
	Legume (%):	15	
L	State:	VIC	
(Location:	South West	
6	Climate Zone:	Cool Temperate	
	Major Species:	Perennial ryegrass	







		Green	Dead
4	Feed On Offer (kg/ha):	2,500	200
V.	Digestibility (%): Equivalent to	80	55
4	Metabolizable Energy (MJ/kg):	12.8	8.0
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16	
h	Crude Protein (%):	25	12.0
t	Pasture Height (cm):	5	3.0
Ä	Ground Cover (%):	10	00
Ż,	Legume (%):	1	5
4	State:	VIC	
4	Location:	South	West
ð	Climate Zone:	Cool Temperate	
	Major Species:	Perer ryeg	

Comments



_	Green	Dead
Feed On Offer (kg/ha):	300	100
Digestibility (%): Equivalent to	66	55
Metabolizable Energy (MJ/kg):	9.8	7.9
Sheep Intake (MJ/day): 50kg dry, Condition score 3	5	
Crude Protein (%):	12	6
Pasture Height (cm):	1	1
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Winter grass	







		Green	Dead
	Feed On Offer (kg/ha):	800	200
	Digestibility (%): Equivalent to	69	56
K	Metabolizable Energy (MJ/kg):	10.2	7.9
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.6	
Š	Crude Protein (%):	13	6
Ü	Pasture Height (cm):	3	2
	Ground Cover (%):	10	00
	Legume (%):	C)
	State:	VIC	
h	Location:	South West	
	Climate Zone:	Cool Te	mperate
	Major Species:	Onion	grass

Comments



	Green	Dead
Feed On Offer (kg/ha):	1700	300
Digestibility (%): Equivalent to	67	56
Metabolizable Energy (MJ/kg):	9.9	8.1
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.3	
Crude Protein (%):	12	6
Pasture Height (cm):	7	4
Ground Cover (%):	10	00
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Onion grass	







		Green	Dead
13	Feed On Offer (kg/ha):	2,700	600
Y	Digestibility (%): Equivalent to	72	55
4	Metabolizable Energy (MJ/kg):	10.8	7.8
1	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16	
	Crude Protein (%):	19	9.4
Z	Pasture Height (cm):	20	15.0
1	Ground Cover (%):	10	00
放	Legume (%):	0	
1	State:	VIC	
	Location:	South	West
į,	Climate Zone:	Cool Te	mperate
	Major Species:	Cock	sfoot

Comments



a.	Green	Dead
Feed On Offer (kg/ha):	2,000	550
Digestibility (%): Equivalent to	71	52
Metabolizable Energy (MJ/kg):	10.5	7.3
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
Crude Protein (%):	18	7.7
Pasture Height (cm):	14	12.0
Ground Cover (%):	10	00
Legume (%):	C)
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	







Green	Dead
4,000	750
72	NA
10.7	NA
15	
9	NA
35	18.0
10	00
5	
VIC	
South West	
Cool Te	mperate
Tall fe	escue
	4,000 72 10.7 15 9 35

Comments



		Green	Dead
K	Feed On Offer (kg/ha):	900	400
	Digestibility (%): Equivalent to	69	NA
	Metabolizable Energy (MJ/kg):	10.2	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	13	
Q.	Crude Protein (%):	27	NA
Y	Pasture Height (cm):	8	2.0
1	Ground Cover (%):	10	00
	Legume (%):	C)
1	State:	VI	С
ħ	Location:	South	West
	Climate Zone:	Cool Te	mperate
X	Major Species:	Tall fe	escue







		Green	Dead
ĝ	Feed On Offer (kg/ha):	1,600	600
	Digestibility (%): Equivalent to	69	NA
í.	Metabolizable Energy (MJ/kg):	10.2	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	15	
	Crude Protein (%):	19	NA
	Pasture Height (cm):	12	10.0
	Ground Cover (%):	10	0
	Legume (%):	0)
	State:	VIC	
þ	Location:	South	West
K	Climate Zone:	Cool Ter	mperate
7	Major Species:	Tall fe	escue

Comments



	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%): Equivalent to	85	39
Metabolizable Energy (MJ/kg):	13.1	5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	11.2	
Crude Protein (%):	25	7.6
Pasture Height (cm):	1.5	2
Ground Cover (%):	9	0
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Te	mperate
Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass







		Green	Dead
T	Feed On Offer (kg/ha):	900	100
	Digestibility (%): Equivalent to	84	44
¥	Metabolizable Energy (MJ/kg):	12.8	6
1	Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.1	
À	Crude Protein (%):	25	7
X	Pasture Height (cm):	2.5	4
4	Ground Cover (%):	10	00
Ž	Legume (%):	1	5
Z Z	State:	VI	С
1	Location:	South	West
	Climate Zone:	Cool Ter	mperate
	Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid



-	Green	Dead
Feed On Offer (kg/ha):	1200	100
Digestibility (%): Equivalent to	79	53
Metabolizable Energy (MJ/kg):	12.1	7.5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.3	
Crude Protein (%):	29	12
Pasture Height (cm):	2	2
Ground Cover (%):	10	00
Legume (%):	95	
State:	VIC	
Location:	South	West
Climate Zone:	Cool Te	mperate
Major Species:	Sub c	lover

Comments







		Green	Dead
	Feed On Offer (kg/ha):	2100	0
	Digestibility (%): Equivalent to	75	NA
3	Metabolizable Energy (MJ/kg):	11.7	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.7	
ď	Crude Protein (%):	27	NA
	Pasture Height (cm):	5	NA
	Ground Cover (%):	10	0
	Legume (%):	70	0
	State:	VI	С
	Location:	South	West
W	Climate Zone:	Cool Ter	nperate
	Major Species:	Sub c	lover

Comments

Photos and FeedTest data provided by the EverGraze project



Feed On Offer (kg/ha):	Green 700	Dead 0
Digestibility (%): Equivalent to	80	NA
Metabolizable Energy (MJ/kg):	12.2	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.2	
Crude Protein (%):	25	NA
Pasture Height (cm):	1	NA
Ground Cover (%):	9	0
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Winter	grass

Comments







		Green	Dead
ζ,	Feed On Offer (kg/ha):	750	150
Y	Digestibility (%): Equivalent to	85	57
1	Metabolizable Energy (MJ/kg):	13.1	8
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.3	
	Crude Protein (%):	25	11
	Pasture Height (cm):	2.5	5
Ť	Ground Cover (%):	10	00
Į.	Legume (%):	1	0
	State:	VI	С
1	Location:	South	West
ì	Climate Zone:	Cool Ter	mperate
y	Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project



_	Green	Dead
Feed On Offer (kg/ha):	1200	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.4	
Crude Protein (%):	26	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	10	00
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fe	escue

Comments







	Green	Dead
Feed On Offer (kg/ha):	1100	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.4	
Crude Protein (%):	26	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	10	00
Legume (%):	2	0
State:	VI	С
Location:	South	West
Climate Zone:	Cool Ter	mperate
Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass



-	Green	Dead
Feed On Offer (kg/ha):	1900	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.1	
Crude Protein (%):	26	NA
Pasture Height (cm):	5	NA
Ground Cover (%):	100	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Ter	mperate
Major Species:	Perennial ryegrass	

Comments







		Green	Dead
t	Feed On Offer (kg/ha):	2700	0
	Digestibility (%): Equivalent to	85	NA
	Metabolizable Energy (MJ/kg):	13.1	NA
1	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16	
Á	Crude Protein (%):	26	NA
4	Pasture Height (cm):	8	NA
1	Ground Cover (%):	10	00
	Legume (%):	2	2
1	State:	VIC	
1	Location:	South West	
1	Climate Zone:	Cool Ter	mperate
	Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project



	Green	Dead
	Green	Dead
Feed On Offer (kg/ha):	700	150
Digestibility (%): Equivalent to	69	NA
Metabolizable Energy (MJ/kg):	10.2	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.9	
Crude Protein (%):	27	NA
Pasture Height (cm):	5	0.5
Ground Cover (%):	85	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	









		Green	Dead
Z	Feed On Offer (kg/ha):	1900	0
d	Digestibility (%): Equivalent to	85	NA
	Metabolizable Energy (MJ/kg):	13.1	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.1	
	Crude Protein (%):	26	NA
	Pasture Height (cm):	6	NA
A.	Ground Cover (%):	10	0
Ą	Legume (%):	3	0
1	State:	VIC	
t	Location:	South	West
	Climate Zone:	Cool Ter	mperate
1	Major Species:	Tall fe	escue

Comments

Photos and FeedTest data provided by the EverGraze project



_	Green	Dead
Feed On Offer (kg/ha):	3400	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	17	
Crude Protein (%):	26	NA
Pasture Height (cm):	10	NA
Ground Cover (%):	100	
Legume (%):	30	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments







_	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%): Equivalent to	85	57
Metabolizable Energy (MJ/kg):	13.1	8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.5	
Crude Protein (%):	26	11
Pasture Height (cm):	2.5	5
Ground Cover (%):	9	5
Legume (%):	5	5
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments

Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid



_	Green	Dead
Feed On Offer (kg/ha):	2200	100
Digestibility (%): Equivalent to	85	57
Metabolizable Energy (MJ/kg):	13.1	8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.1	
Crude Protein (%):	26	11
Pasture Height (cm):	7	3
Ground Cover (%):	100	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments

Photos and FeedTest data provided by the EverGraze project, Banquet Tetraploid







		Green	Dead
	Feed On Offer (kg/ha):	600	0
	Digestibility (%): Equivalent to	85	NA
¥	Metabolizable Energy (MJ/kg):	13.1	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	11.9	
Ž	Crude Protein (%):	26	NA
1	Pasture Height (cm):	1.5	NA
	Ground Cover (%):	8	0
1	Legume (%):	5	5
	State:	VIC	
ď	Location:	South	West
	Climate Zone:	Cool Ter	mperate
À	Major Species:	Perer ryeg	

Comments

Photos and FeedTest data provided by the EverGraze project



_	Green	Dead
Feed On Offer (kg/ha):	2200	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.8	
Crude Protein (%):	25	NA
Pasture Height (cm):	7	NA
Ground Cover (%):	10	00
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Te	mperate
Major Species:	Cape	weed

Comments







-		Green	Dead
	Feed On Offer (kg/ha):	2900	0
	Digestibility (%): Equivalent to	85	NA
	Metabolizable Energy (MJ/kg):	13	NA
No.	Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.2	
V	Crude Protein (%):	25	NA
h	Pasture Height (cm):	9	NA
	Ground Cover (%):	10	00
V.	Legume (%):	5	5
b	State:	VI	С
į	Location:	South	West
	Climate Zone:	Cool Te	mperate
4	Major Species:	Cape	weed

Comments

Photos and FeedTest data provided by the EverGraze project



,,,		Green	Dead
	Feed On Offer (kg/ha):	700	0
1	Digestibility (%): Equivalent to	85	NA
	Metabolizable Energy (MJ/kg):	13	NA
ķ.	Sheep Intake (MJ/day): 50kg dry, Condition score 3	12.0	
Mie	Crude Protein (%):	25	NA
	Pasture Height (cm):	1.5	NA
	Ground Cover (%):	9	5
	Legume (%):	5	5
1	State:	VI	С
	Location:	South West	
	Climate Zone:	Cool Temperate	
1	Major Species:	Winter	grass

Comments





	Green	Dead
Feed On Offer (kg/ha):	1600	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14.8	
Crude Protein (%):	25	NA
Pasture Height (cm):	4	NA
Ground Cover (%):	10	00
Legume (%):	1	5
State:	VI	С
Location:	South	West
Climate Zone:	Cool Temperate	
Major Species:	Tall fe	escue
	Digestibility (%): Equivalent to Metabolizable Energy (MJ/kg): Sheep Intake (MJ/day): 50kg dry, Condition score 3 Crude Protein (%): Pasture Height (cm): Ground Cover (%): Legume (%): State: Location: Climate Zone:	Feed On Offer (kg/ha): 1600 Digestibility (%): 85 Equivalent to Metabolizable Energy (MJ/kg): 13 Sheep Intake (MJ/day): 50kg dry, Condition score 3 Crude Protein (%): 25 Pasture Height (cm): 4 Ground Cover (%): 10 Legume (%): 1 State: VI Location: South Climate Zone: Cool Tel

Comments

Photos and FeedTest data provided by the EverGraze project



		Green	Dead
F	eed On Offer (kg/ha):	3,500	500
0.00	igestibility (%): quivalent to	47	41
-	letabolizable Energy //J/kg):	6.4	2.6
-000	heep Intake (MJ/day): Okg dry, Condition score 3	5	
С	rude Protein (%):	11	5.2
P	asture Height (cm):	14	4.0
G	round Cover (%):	100	
L	egume (%):	0	
S	tate:	VIC	
L	ocation:	South West	
C	limate Zone:	Cool Temperate	
/ M	lajor Species:	Onion grass	







		Green	Dead
	Feed On Offer (kg/ha):	1000	0
	Digestibility (%): Equivalent to	85	NA
2	Metabolizable Energy (MJ/kg):	13	NA
1	Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.3	
Ç	Crude Protein (%):	25	NA
	Pasture Height (cm):	2	NA
ļ	Ground Cover (%):	75	
9	Legume (%):	5	
	State:	VIC	
Ų	Location:	South West	
	Climate Zone:	Cool Temperate	
5	Major Species:	Cape weed	

Comments

Photos and FeedTest data provided by the EverGraze project



_	Green	Dead
Feed On Offer (kg/ha):	700	0
Digestibility (%): Equivalent to	85	NA
Metabolizable Energy (MJ/kg):	13	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	12	
Crude Protein (%):	25	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	80	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cape weed	

Comments



