# 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
 For 20 cm rows reduce the FOO values by 10%.

#### 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

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117 benwatts_WC_2512		Green	Dead
11 Molong May 2 High Winte Clover	Feed On Offer (kg/ha):	1,895	100
Charle Court	Digestibility (%): Equivalent to	65.4	NA
	Metabolizable Energy (MJ/kg):	9.6	NA
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.5	
THE REAL OF THE PROPERTY AND A SECTION	Crude Protein (%):	25.4	NA
	Pasture Height (cm):	9	1
	Ground Cover (%):	9	0
	Legume (%):	9	0
	State:	NS	W
	Location:	Centra	I West
	Climate Zone:	Cool Ter	mperate
	Major Species:	White	clover

Comments

118 benwatts_WCL_2512	Green	Dead
Feed On Offer (kg/ha):	1,715	90
Digestibility (%): Equivalent to	65.4	NA
Metabolizable Energy (MJ/kg):	9.6	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.7	
Crude Protein (%):	25.4	NA
Pasture Height (cm):	5	1
Ground Cover (%):	90	D
Legume (%):	90	)
State:	NS	w
Location:	Centra	West
Climate Zone:	Cool Ter	nperate
Major Species:	White	clover

Comments

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119 benwatts_WG_16512	Green	Dead
Feed On Offer (kg/h	na): 100	4,800
Digestibility (%): Equivalent to	NA	40.7
Metabolizable Ener (MJ/kg):	ду NA	5.4
Sheep Intake (MJ/d 50kg dry, Condition soc		
Crude Protein (%):	NA	6.1
Pasture Height (cm	ı): 1	10
Ground Cover (%):	7	0
Legume (%):	:	5
State:	NS	SW
Location:	Centra	al West
Climate Zone:	Cool Te	mperate
Major Species:	Warrig	o grass

Comments

Tropical pasture used in Grazfeed calculations

120 benwatts16512	Green	Dead
Feed On Offer (kg/ha):	100	1,800
Digestibility (%): Equivalent to	NA	40.7
Metabolizable Energy (MJ/kg):	NA	5.4
Sheep Intake (MJ/day): 50kg dry, Condition score 3	8.8	
Crude Protein (%):	NA	6.1
Pasture Height (cm):	1	5
Ground Cover (%):	7	5
Legume (%):	5	5
State:	NS	SW
Location:	Centra	I West
Climate Zone:	Cool Te	mperate
Major Species:	Warrigo	o grass

Comments

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121 benwatts2-5-12	Green	Dead
Feed On O	offer (kg/ha): 1,026	684
Digestibilit		47.3
Metaboliza (MJ/kg):	ble Energy 6.7	6.5
	ike (MJ/day): 6.2 endition score 3	
Crude Prot	tein (%): 10.2	8.2
Pasture He	eight (cm): 3	6
Ground Co	over (%):	30
Legume (%	%):	10
State:	N	SW
Location:	Centr	al West
Climate Zo	one: Cool Te	emperate
Major Spec	cies: Red	grass

Comments

Tropical pasture used in GrazFeed assessment

122 benwatts_R	G_2512
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122 benwatts_RG_2512	Green	Dead
Feed On Offer (kg/ha):	2,450	1,050
Digestibility (%): Equivalent to	48.6	47.3
Metabolizable Energy (MJ/kg):	6.7	6.5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	6.8	
Crude Protein (%):	10.2	8.2
Pasture Height (cm):	8	12
Ground Cover (%):	8	D
Legume (%):	1	D
State:	NS	W
Location:	Centra	l West
Climate Zone:	Cool Ter	mperate
Major Species:	Red g	jrass

Comments

Tropical pasture used in GrazFeed assessment







123 Harrison 050512 High FOO		Green	Dead
Malaris /Vrarie	Feed On Offer (kg/ha):	2,190	2,667
	Digestibility (%): Equivalent to	66	36
	Metabolizable Energy (MJ/kg):	9.7	4.5
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	14	
	Crude Protein (%):	14	4
	Pasture Height (cm):	20	13
	Ground Cover (%):	6	0
	Legume (%):	1	5
	State:	NS	W
	Location:	Centra	I West
	Climate Zone:	Mild/V Temp	
	Major Species:	Prairie	grass

Comments

124 Harrison 050512 Medium FOO

124 Harrison 050512 Medium FOO	Green	Dead
Phalarin Warre Clover. 5/5/12 Feed On Offer (kg/ha):	1,714	762
Digestibility (%): Equivalent to	65.9	35.7
22) 22] 21	9.7	4.5
20 19 18 17 50kg dry, Condition score 3	14.3	
Crude Protein (%):	13.7	3.5
Pasture Height (cm):	10	4
Ground Cover (%):	10	0
Legume (%):	7	0
State:	NSW	
Location:	Centra	I West
Climate Zone:	Mild/V Temp	
Major Species:	White	clover

Comments

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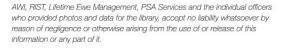
125 Harrison 120512 Very Low FOO	Green	Dead
Feed On Offer (kg/ha):	667	762
Clover. 5/5/12 24 24 24	73	38
22     21       21     Metabolizable Energy (MJ/kg):	11	5
20 19 19 17 17 17 17 17 17 17 17 17 17 17 17 17	8.1	
Crude Protein (%):	15	7
Pasture Height (cm):	2	1
Ground Cover (%):	5	0
Legume (%):	5	0
State:	NS	SW
Location:	Centra	l West
Climate Zone:	Mild/V Temp	
Major Species:	Prairie	grass

Comments

126 Harrison 120512 Low FOO Green Dead Malaris, Feed On Offer (kg/ha): 857 667 Digestibility (%): 73 38 Equivalent to Metabolizable Energy 5 11 (MJ/kg): Sheep Intake (MJ/day): 14 50kg dry, Condition score 3 Crude Protein (%): 15 7.4 Pasture Height (cm): 6.5 4 Ground Cover (%): 90 Legume (%): 20 **NSW** State: Location: **Central West** Mild/Warm **Climate Zone: Temperate Major Species: Prairie grass** 

Comments

2nd year pasture - therefore expect higher bare ground%'s as the pastures still establishing.







127 Harrison 050512 Very High FOO		Green	Dead
Native - Ked gain	Feed On Offer (kg/ha):	7,048	7,048
	Digestibility (%): Equivalent to	43.7	37.7
	Metabolizable Energy (MJ/kg):	5.9	4.9
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	6.9	
	Crude Protein (%):	3.7	3.1
	Pasture Height (cm):	35	45
	Ground Cover (%):	10	0
	Legume (%):	C	)
	State:	NS	W
	Location:	Centra	l West
	Climate Zone:	Mild/V Temp	
	Major Species:	Spear	grass

Comments

Tropical pasture used in GrazFeed

128	3 Ha	irris	on 1	205	12 L	.ow	FOO	



Comments

Paddock grazed recently. Low pasture quality and low stocking numbers caused uneven grazing. Tropical pasture used in GrazFeed.

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Comments

Tropical pasture used in GrazFeed

130	Harrison	050512	High	FOO

130 Harrison 050512 High FOO		Green	Dead
( Nofine - Relayant	Feed On Offer (kg/ha):	1,905	2,667
	Digestibility (%): Equivalent to	43.7	37.7
	Metabolizable Energy (MJ/kg):	5.9	4.9
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	6.8	
	Crude Protein (%):	3.7	3.1
	Pasture Height (cm):	12	16
	Ground Cover (%):	10	0
	Legume (%):	C	)
	State:	NS	W
	Location:	Centra	l West
	Climate Zone:	Mild/V Temp	
	Major Species:	Spear	grass

#### Comments

Tropical pasture used in GrazFeed

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339IhRG170313LowFOO		Green	Dead
Tiptile rates	Feed On Offer (kg/ha):	950	<b>650</b>
	Digestibility (%): Equivalent to	59	38
	Metabolizable Energy (MJ/kg):	8.6	4.9
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	8.2	
	Crude Protein (%):	14	4.1
	Pasture Height (cm):	3	2
	Ground Cover (%):	6	0
	Legume (%):	0	
	State:	NS	w
	Location:	Centra	l West
	Climate Zone:	Mild/V Temp	
	Major Species:	Red g	irass

Comments

340lhRG180313MediumFOO	Green	Dead
Province - Ked gross proor gross Feed On Offer (kg/ha):	1,700	500
Digestibility (%):	59	38
A constraint of the second sec	8.6	4.9
Sheep Intake (MJ/day): 18 50kg dry, Condition score 3	10.3	
Crude Protein (%):	14	4.1
Pasture Height (cm):	4	1.5
Ground Cover (%):	80	0
Legume (%):	0	
State:	NS	W
Location:	Central	l West
Climate Zone:	Mild/W Tempo	
Major Species:	Red g	rass

Comments

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#### 3/11bPC170313HighEOO

341lhRG170313HighFOO		Green	Dead
Notive - Ked gross     Spear grass	Feed On Offer (kg/ha):	3,700	2,200
	Digestibility (%): Equivalent to	50	37
	Metabolizable Energy (MJ/kg):	6.7	4.7
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	4.5	
	Crude Protein (%):	7	4.1
	Pasture Height (cm):	10	5
	Ground Cover (%):	10	00
	Legume (%):	(	)
	State:	NS	W
	Location:	Centra	l West
	Climate Zone:	Mild/V Temp	
	Major Species:	Red g	grass

Comments

#### 342lbBC170312VoryHighEOO

342IhRG170313VeryHighFOO	Green	Dead
Potive - Red aross Feed On Offer (kg/ha):	4,350	5,200
Digestibility (%): Equivalent to	50	37
A constraint of the second sec	6.7	4.7
Sheep Intake (MJ/day): 50kg dry, Condition score 3	4.6	
Crude Protein (%):	7	4.1
Pasture Height (cm):	15	8
Ground Cover (%):	10	00
Legume (%):	(	)
State:	NS	W
Location:	Centra	l West
Climate Zone:	Mild/V Temp	
Major Species:	Red g	grass

Comments

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343lhPG170313LowFOO		Green	Dead
Phalaris Prarie	Feed On Offer (kg/ha):	1,250	300
//ucente 17.3.13 grass	Digestibility (%): Equivalent to	63	54
	Metabolizable Energy (MJ/kg):	9.1	7.6
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	11.7	
	Crude Protein (%):	10	3.2
	Pasture Height (cm):	8	3
	Ground Cover (%):	7(	D
	Legume (%):	5	;
	State:	NS	w
	Location:	Centra	l West
	Climate Zone:	Mild/V Temp	
	Major Species:	Prairie	grass

Comments

#### 

344lhPG170313HighFOO	Green	Dead
Coonaborabran Phalaris /Pravie Feed On Offer	(kg/ha): 3,050	650
Thursday 17.3.13 gross Digestibility (% Equivalent to	64	46
24 22 22 22 22 22 22 22 22 22 22 22 22 2	Energy 9.4	6.3
Sheep Intake (I 10 10 10 10 10 10 10 10 10 10 10 10 10		
Crude Protein	(%): 17	5
Pasture Height	t (cm): 10	14
Ground Cover	(%): 10	0
Legume (%):	5	
State:	NS	W
Location:	Central	West
Climate Zone:	Mild/W Tempe	
Major Species:	Prairie	grass

Comments

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#### 345lhPG170313VervHighFOO

345lhPG170313VeryHighFOO	Green	Dead
Feed On Offer (kg/ha):	9,600	750
Digestibility (%): Equivalent to	64	46
Metabolizable Energy (MJ/kg):	9.4	6.3
Sheep Intake (MJ/day): 50kg dry, Condition score 3	16.6	
Crude Protein (%):	17	5
Pasture Height (cm):	25	6
Ground Cover (%):	10	0
Legume (%):	60	)
State:	NS	w
Location:	Central	West
Climate Zone:	Mild/W Tempe	
Major Species:	Luce	rne

Comments This paddock has been heavily grazed by sheep and cattle for the previous month.

41	2S	BD	LR	IM	G0	027
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412SBDLRIMG0027	Green	Dead
Feed On Offer (kg/ha):	710	3,689
April 13 Tamworth Equivalent to	55	35
Digit - Low Metabolizable Energy (MJ/kg):	7.8	4.4
6 Sheep Intake (MJ/day): 50kg dry, Condition score 3	8.1	
Crude Protein (%):	6.8	3.6
Pasture Height (cm):	3	2
Ground Cover (%):	9	5
Legume (%):	(	D
State:	NS	SW
Location:	North Slo	-West pes
Climate Zone:	Mild/\	
Major Species:		grass

Comments

Dry autumn; sampled ~2 wks after grazing; irrigated to encourage growth

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413SBDMRIMG0028	Green	Dead
April B 17 16 Feed On Offer (kg/ha):	1,000	3,032
Tamworth Digit- mad	55	35
Metabolizable Energy (MJ/kg):	7.8	4.4
Sheep Intake (MJ/day): 50kg dry, Condition score 3	9.1	
Crude Protein (%):	6.8	3.6
Pasture Height (cm):	5	4
Ground Cover (%):	95	
Legume (%):	0	)
State:	NS	w
Location:	North-West Slopes	
Climate Zone:	Mild/V Temp	
Major Species:	Digit (	grass

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	TOL		1 / 114		000	

414SBDHRIMG0030	Green	Dead
April B	1,430	3,729
Tawworth Drott- high	54	35
12 11 Metabolizable Energy (MJ/kg):	7.6	4.4
Sheep Intake (MJ/day): 50kg dry, Condition score 3	9.1	
Crude Protein (%):	7.3	3.0
Pasture Height (cm):	6	6
Ground Cover (%):	100	
Legume (%):	(	)
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/V Temp	Varm erate
Major Species:		grass

Comments

Dry autumn; sampled ~2 wks after grazing; irrigated to encourage growth

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415SBDVHRIMG0008		Green	Dead
Tam workin Orgit-v high	Feed On Offer (kg/ha):	1,820	5,139
	Digestibility (%): Equivalent to	54	35
	Metabolizable Energy MJ/kg):	7.6	4.4
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.0	
	Crude Protein (%):	7.3	3.0
	Pasture Height (cm):	10	8
	Ground Cover (%):	10	0
	_egume (%):	0	)
s and the second se	State:	NS	W
	_ocation:	North-West Slopes	
	Climate Zone:	Mild/V Temp	Varm
	Major Species:	Digit g	grass

Comments Dry autumn; sampled ~3 wks after grazing; irrigated to encourage growth

416SB	NLRIM	G0019
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416SBNLRIMG0019		Green	Dead
Tamwo46 Native - Low	Feed On Offer (kg/ha):	690	751
	Digestibility (%): Equivalent to	57	40
	Metabolizable Energy (MJ/kg):	8.2	5.3
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	8.4	
	Crude Protein (%):	6.6	6.2
	Pasture Height (cm):	4	3
	Ground Cover (%):	8	5
	Legume (%):	C	)
	State:	NSW	
	Location:	North-West Slopes	
	Climate Zone:	Mild/V Temp	Varm
	Major Species:	Redg	rass

Comments

Dry autumn

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#### 417SBNMRIMG0040 Green Dead Tamworth Feed On Offer (kg/ha): 2,585 1,330 Notive - modium Digestibility (%): 57 40 Equivalent to **Metabolizable Energy** 8.2 5.3 (MJ/kg): Sheep Intake (MJ/day): 11.1 50kg dry, Condition score 3 Crude Protein (%): 6.2 6.6 Pasture Height (cm): 10 15 Ground Cover (%): 95 Legume (%): 0 State: **NSW** North-West Location: **Slopes** Mild/Warm **Climate Zone:** Temperate **Major Species: Blue grass**

Comments Dry autumn

44000NUDIMC0020

418SBNHRIMG0038	Green	Dead
Tam worth Native - high	1,680	1,898
Digestibility (%): Equivalent to	53	38
Metabolizable Energy (MJ/kg):	7.5	4.9
Sheep Intake (MJ/day): 50kg dry, Condition score 3	8.3	
Crude Protein (%):	6.6	4.4
Pasture Height (cm):	5	10
Ground Cover (%):	8	5
Legume (%):	(	)
State:	NSW	
Location:	North-West Slopes	
Climate Zone:	Mild/V Temp	Varm
Major Species:	Blue	

Comments

Dry autumn

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419SBNVHRIMG0046		Green	Dead
	Feed On Offer (kg/ha):	2,220	5,718
	Digestibility (%): Equivalent to	53	38
	Metabolizable Energy (MJ/kg):	7.5	4.9
	Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.1	
	Crude Protein (%):	6.6	4.4
	Pasture Height (cm):	15	15
	Ground Cover (%):	9	5
	Legume (%):	C	)
	State:	NS	W
	Location:	North-West Slopes	
	Climate Zone:	Mild/V Temp	Varm
	Major Species:	Blue	grass

Comments Dry autumn

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