

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

Vic Cool Temperate Winter Low FOO Photos

36LW-IMG3381



	Green	Dead
Feed On Offer (kg/ha):	1,000	200
Digestibility (%):	54	36
Equivalent to		
Metabolizable Energy (MJ/kg):	7.7	4.5
Sheep Intake (MJ/day):	4	
50kg dry, Condition score 3		
Crude Protein (%):	24	10.9
Pasture Height (cm):	1	0.5
Ground Cover (%):	100	
Legume (%):	50	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Phalaris	

Comments	Low & Medium Dead samples combined for FEEDTEST. Digestibility of Green samples seems low, due to frosted tips?
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40LW-IMG3417



	Green	Dead
Feed On Offer (kg/ha):	700	250
Digestibility (%):	62	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day):	5.1	
50kg dry, Condition score 3		
Crude Protein (%):	20	NA
Pasture Height (cm):	1.5	0.5
Ground Cover (%):	95	
Legume (%):	30	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Low & Med Green samples combined for FEEDTEST. Dead pasture not analysed.
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

41LW-IMG3410



	Green	Dead
Feed On Offer (kg/ha):	800	200
Digestibility (%): Equivalent to	62	NA
Metabolizable Energy (MJ/kg):	9.1	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	6.2	
Crude Protein (%):	20	NA
Pasture Height (cm):	2	0.5
Ground Cover (%):	95	
Legume (%):	10	
State:	VIC	
Location:	North Central	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Low & Med Green samples combined for FEEDTEST. Dead pasture not analysed.
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44Vic-LTE700



	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%): Equivalent to	73	55
Metabolizable Energy (MJ/kg):	11.4	8
Sheep Intake (MJ/day): 50kg dry, Condition score 3	9.1	
Crude Protein (%):	22	12
Pasture Height (cm):	1.5	1.0
Ground Cover (%):	85	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	
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Lifetime Ewe Management - FOO Library Results

Vic Cool Temperate Winter Low FOO Photos

45Vic-LTE900



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

Comments

501WintEGChicory500



	Green	Dead
Feed On Offer (kg/ha):	500	0
Digestibility (%): Equivalent to	82	NA
Metabolizable Energy (MJ/kg):	12.4	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	14	
Crude Protein (%):	25	NA
Pasture Height (cm):	3	0
Ground Cover (%):	90	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments
Dead stems not analysed, Photos and data supplied by EverGraze project

Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

502WintEGChicory600



	Green	Dead
Feed On Offer (kg/ha):	500	100
Digestibility (%): Equivalent to	82	27
Metabolizable Energy (MJ/kg):	12.4	3
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.4	
Crude Protein (%):	25	4
Pasture Height (cm):	3.5	0.5
Ground Cover (%):	90	
Legume (%):	2	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Photos and dat supplied by EverGraze project
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503WintEGChicory800



	Green	Dead
Feed On Offer (kg/ha):	700	100
Digestibility (%): Equivalent to	82	27
Metabolizable Energy (MJ/kg):	12.4	3
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13.7	
Crude Protein (%):	25	4
Pasture Height (cm):	3.5	1
Ground Cover (%):	50	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Chicory	

Comments	Photos and dat supplied by EverGraze project
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

508wintAMEGLucerne1100



	Green	Dead
Feed On Offer (kg/ha):	1100	0
Digestibility (%): Equivalent to	80	NA
Metabolizable Energy (MJ/kg):	12.2	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	15.1	
Crude Protein (%):	30	NA
Pasture Height (cm):	3	NA
Ground Cover (%):	100	
Legume (%):	60	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Lucerne	

Comments	Dead stems not analysed, Photos and data supplied by the EverGraze project
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530MSlowwint13P1020313

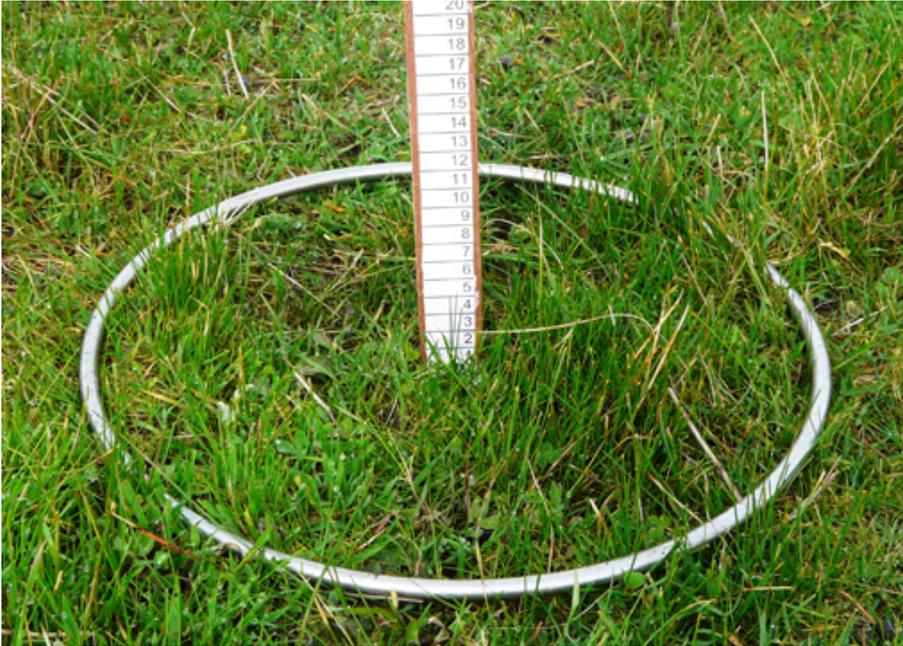


	Green	Dead
Feed On Offer (kg/ha):	300	100
Digestibility (%): Equivalent to	66	55
Metabolizable Energy (MJ/kg):	9.8	7.9
Sheep Intake (MJ/day): 50kg dry, Condition score 3	5	
Crude Protein (%):	12	6
Pasture Height (cm):	1	1
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate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

Comments	
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

531MSmediumwint13P1020317



	Green	Dead
Feed On Offer (kg/ha):	800	200
Digestibility (%): Equivalent to	69	56
Metabolizable Energy (MJ/kg):	10.2	7.9
Sheep Intake (MJ/day): 50kg dry, Condition score 3	10.6	
Crude Protein (%):	13	6
Pasture Height (cm):	3	2
Ground Cover (%):	100	
Legume (%):	0	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Onion grass	

Comments	
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620EG-Aug1Av800



	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 (%):	90	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

621EG-Aug1Bq1000



	Green	Dead
Feed On Offer (kg/ha):	900	100
Digestibility (%):	84	44
Equivalent to		
Metabolizable Energy (MJ/kg):	12.8	6
Sheep Intake (MJ/day):	14.1	
50kg dry, Condition score 3		
Crude Protein (%):	25	7
Pasture Height (cm):	2.5	4
Ground Cover (%):	100	
Legume (%):	15	
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
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624EG-Aug1Lu700



	Green	Dead
Feed On Offer (kg/ha):	700	0
Digestibility (%):	80	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	12.2	NA
Sheep Intake (MJ/day):	10.2	
50kg dry, Condition score 3		
Crude Protein (%):	25	NA
Pasture Height (cm):	1	NA
Ground Cover (%):	90	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Winter grass	

Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

625EG-JulyAv900



	Green	Dead
Feed On Offer (kg/ha):	750	150
Digestibility (%): Equivalent to	85	57
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
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
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626EG-JulyTf1200



	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 (%):	100	
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Tall fescue	

Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

627EG-JulyAv1100



	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 (%):	100	
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project, Avalon ryegrass
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63-MS-P1020087



	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	

Comments	
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

632EG-Aug1Bq800



	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 (%):	95	
Legume (%):	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
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634EG-Aug1It600



	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	
Crude Protein (%):	26	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	80	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Perennial ryegrass	

Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results

Vic Cool Temperate Winter Low FOO Photos

638EG-Aug1Lu700



	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	12.0	
Crude Protein (%):	25	NA
Pasture Height (cm):	1.5	NA
Ground Cover (%):	95	
Legume (%):	5	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Winter grass	

Comments	Photos and FeedTest data provided by the EverGraze project
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640EG-JuneLu1000



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

Comments	Photos and FeedTest data provided by the EverGraze project
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

641EG-JuneLu700



	Green	Dead
Feed On Offer (kg/ha):	700	0
Digestibility (%):	85	NA
Equivalent to		
Metabolizable Energy (MJ/kg):	13	NA
Sheep Intake (MJ/day):	12	
50kg dry, Condition score 3		
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	Photos and FeedTest data provided by the EverGraze project
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65-MS-P1020096



	Green	Dead
Feed On Offer (kg/ha):	400	250
Digestibility (%):	51	39
Equivalent to		
Metabolizable Energy (MJ/kg):	8.2	5.3
Sheep Intake (MJ/day):	3.2	
50kg dry, Condition score 3		
Crude Protein (%):	14	9.2
Pasture Height (cm):	2	1.5
Ground Cover (%):	85	
Legume (%):	20	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Bent grass	

Comments	Low and very low samples combined for analysis
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Lifetime Ewe Management - FOO Library Results
Vic Cool Temperate Winter Low FOO Photos

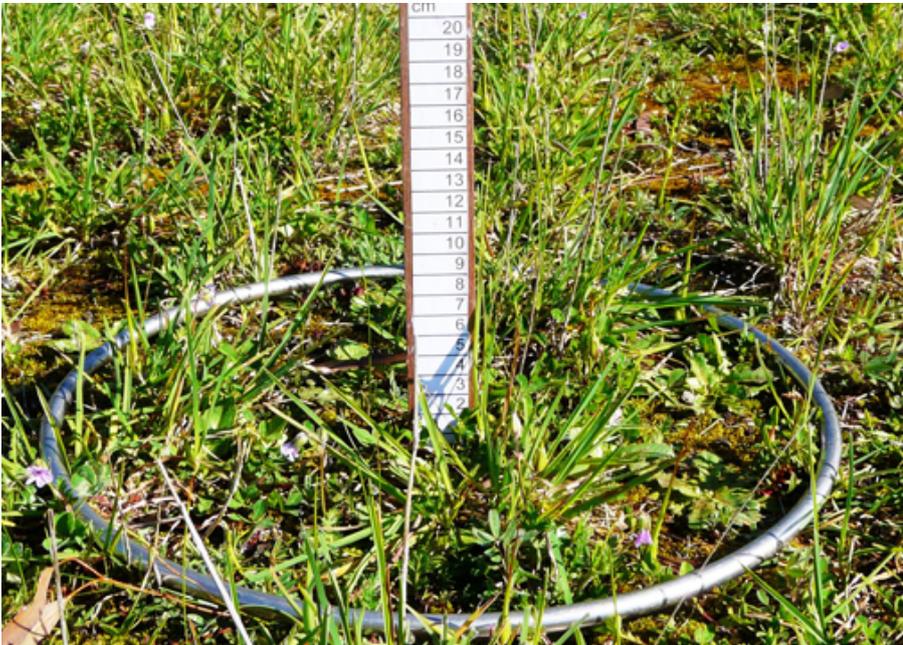
68-MS-P1020101



	Green	Dead
Feed On Offer (kg/ha):	500	250
Digestibility (%): Equivalent to	73	NA
Metabolizable Energy (MJ/kg):	10.9	NA
Sheep Intake (MJ/day): 50kg dry, Condition score 3	13	
Crude Protein (%):	14	NA
Pasture Height (cm):	6	3.0
Ground Cover (%):	60	
Legume (%):	10	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	

Comments	
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69-MS-P1020104



	Green	Dead
Feed On Offer (kg/ha):	750	450
Digestibility (%): Equivalent to	66	47
Metabolizable Energy (MJ/kg):	9.7	6.5
Sheep Intake (MJ/day): 50kg dry, Condition score 3	12	
Crude Protein (%):	15	7.1
Pasture Height (cm):	7	10.0
Ground Cover (%):	80	
Legume (%):	15	
State:	VIC	
Location:	South West	
Climate Zone:	Cool Temperate	
Major Species:	Cocksfoot	

Comments	
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