What is in our feed?

How do we use our feed better?

Dr David Stevens, Invermay

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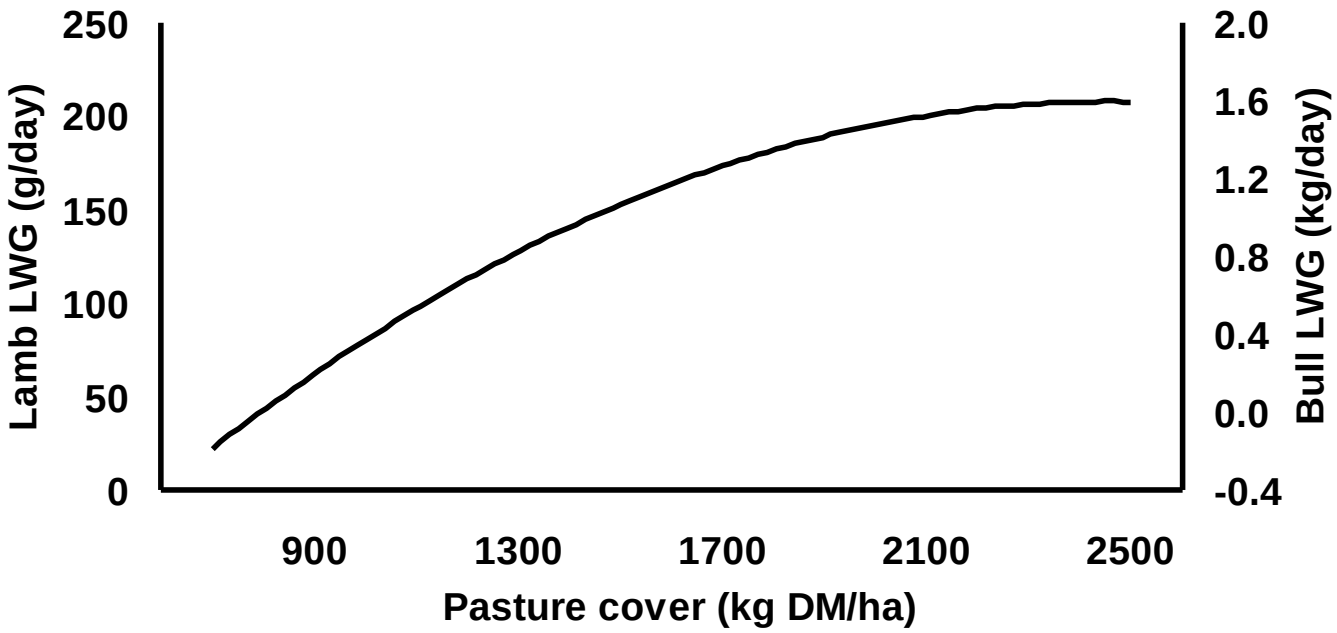
Pasture quantity effects on LWG



Unless animals are grazed on pastures of adequate cover LWG will be below potential

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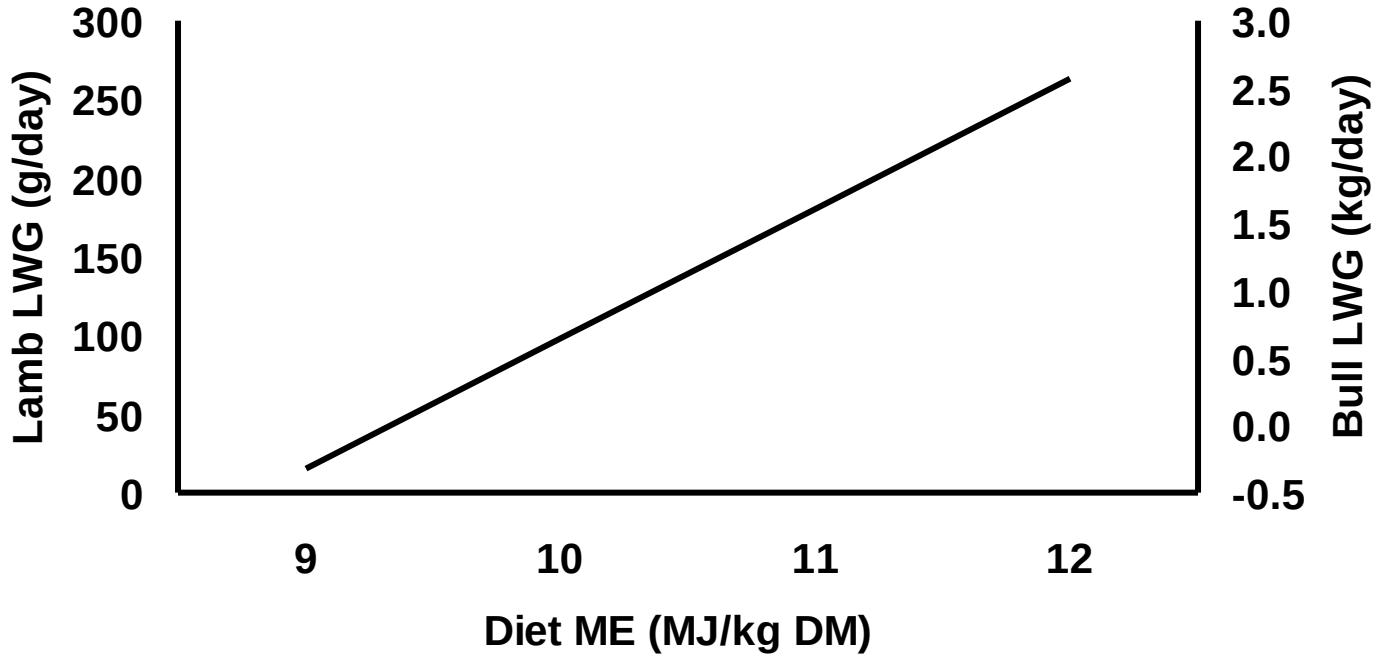
Pasture quality effects on LWG



Even where there is adequate *quantity*, animals can't increase intake to compensate for decreasing *quality*

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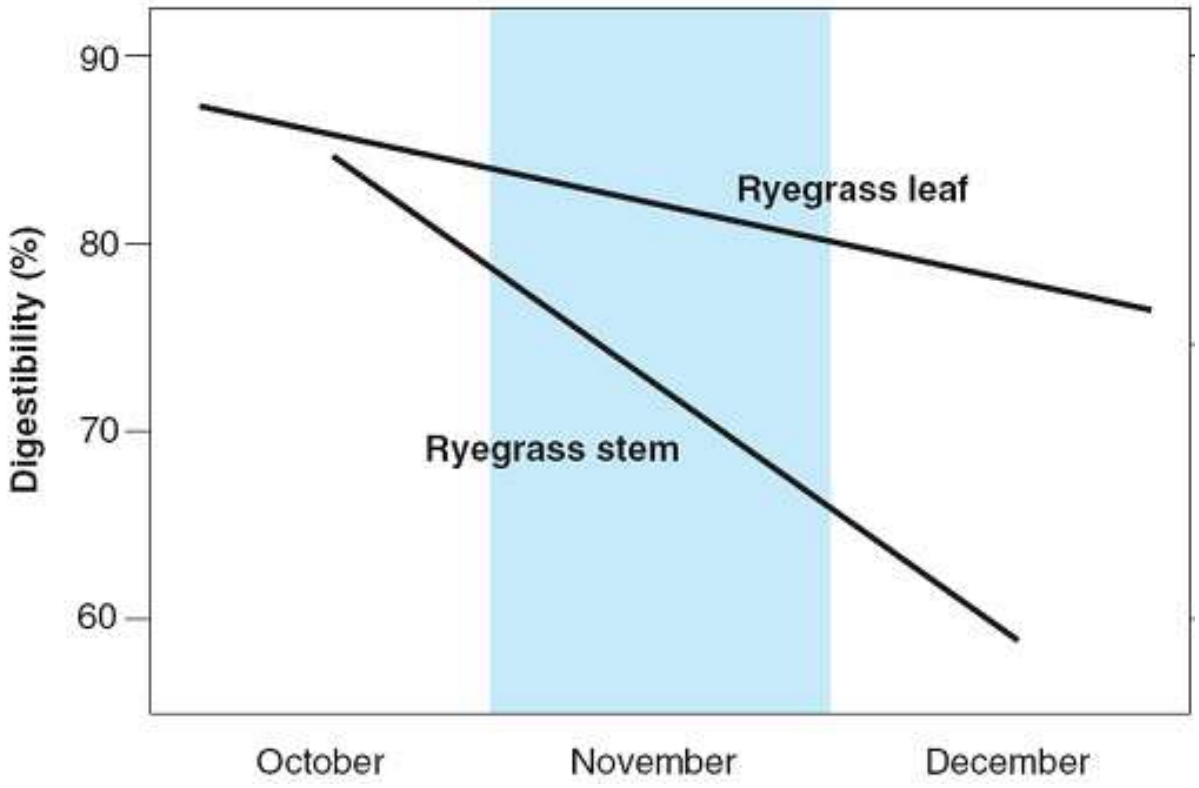
Pasture quality goes off over time



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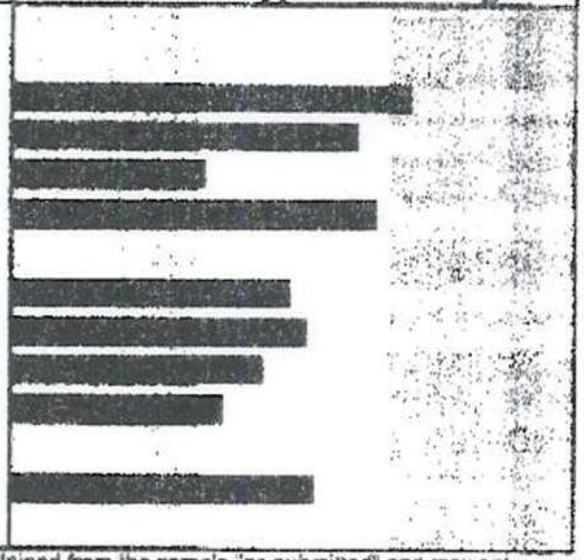
Fax Number:		Date Received:	Friday, 19 June 2009
E-Mail Address:	kgee@ballance.co.nz	Date Reported:	Tuesday, 23 June 2009
Order Number:	361912		
Form Number:	9614213	Sample Type:	Pasture Silage
Sample Name:	NO 3 PIT	Species Type:	Lucerne & cocksfoot

Analysis	Units	Result	Reference Range	Low Typical High
Nutritional Constituents				
Dry Matter	g/kg As Received	416	250 - 400	
Organic Matter	g/kg DM	911	850 - 920	
Crude Protein	g/kg DM	142	140 - 200	
Acid Detergent Fibre	g/kg DM	318	250 - 320	
Neutral Detergent Fibre	g/kg DM	470	-	
Digestibility	gOM/kg DM	624	550 - 700	
Metabolisable Energy	MJ/kg DM	10.0	8.5 - 11.0	
pH		4.2	3.8 - 4.8	
Lactate	g/kg DM	44.6	30.0 - 140.0	
Ammonia-N	g/kg DM	1.7	-	
Ammonia-N/Total-N	%	8	0 - 12	



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Analysis	Units	Reference Range	Result Lucerne plus grass	Result Lucerne
Nutritional Constituents				
Dry Matter	g/kg As Received	250 - 400	416	415
Organic Matter	g/kg DM	850 - 920	911	894
Crude Protein	g/kg DM	140 - 200	142	206
Acid Detergent Fibre	g/kg DM	250 - 320	318	256
Neutral Detergent Fibre	g/kg DM	-	470	353
Digestibility	gOM/kg DM	550 - 700	624	708
Metabolisable Energy	MJ/kg DM	8.5 - 11.0	10.0	11.3
pH		3.8 - 4.8	4.2	4.0
Lactate	g/kg DM	30.0 - 140.0	44.6	97.5
Ammonia-N	g/kg DM	-	1.7	1.9
Ammonia-N/Total-N	%	0 - 12	8	6

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