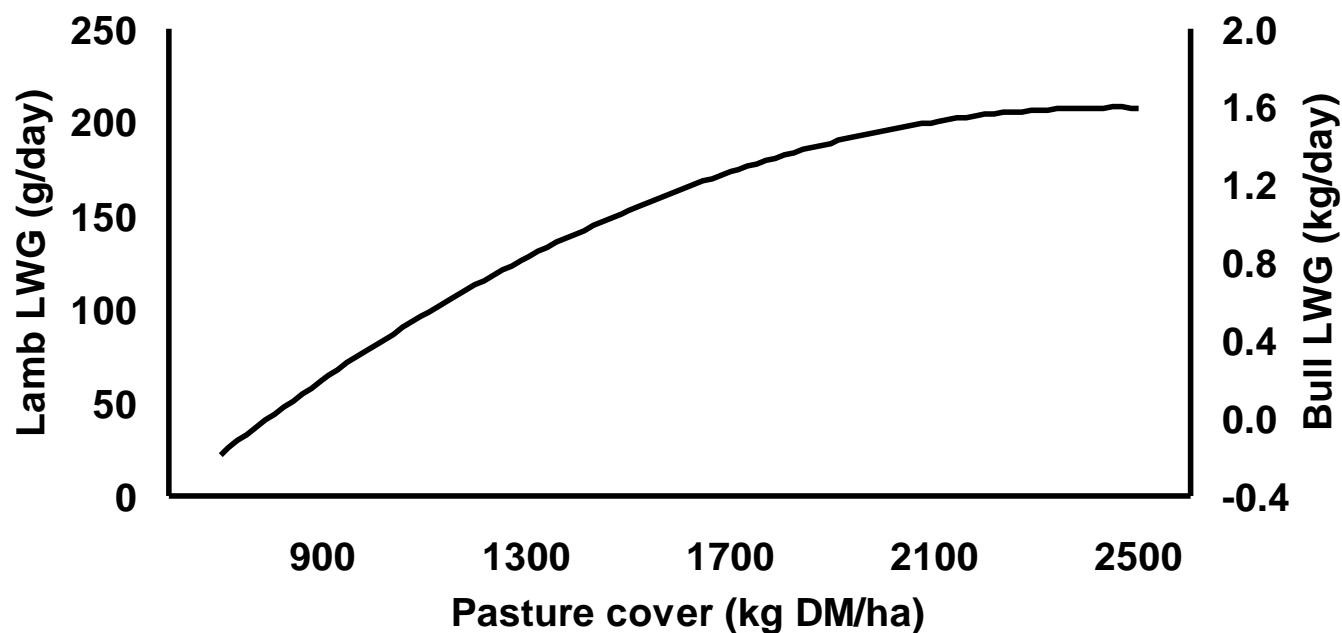


# What is in our feed?

How do we use our feed better?

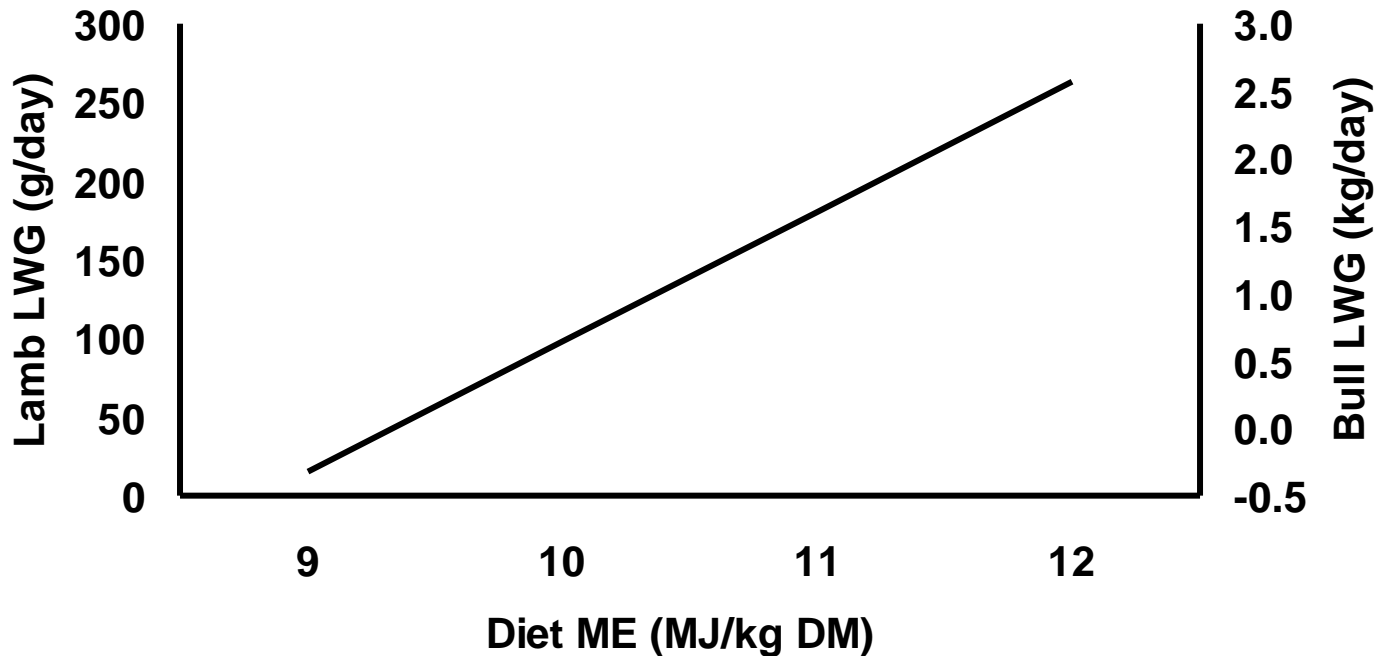
Dr David Stevens, Invermay

# Pasture quantity effects on LWG



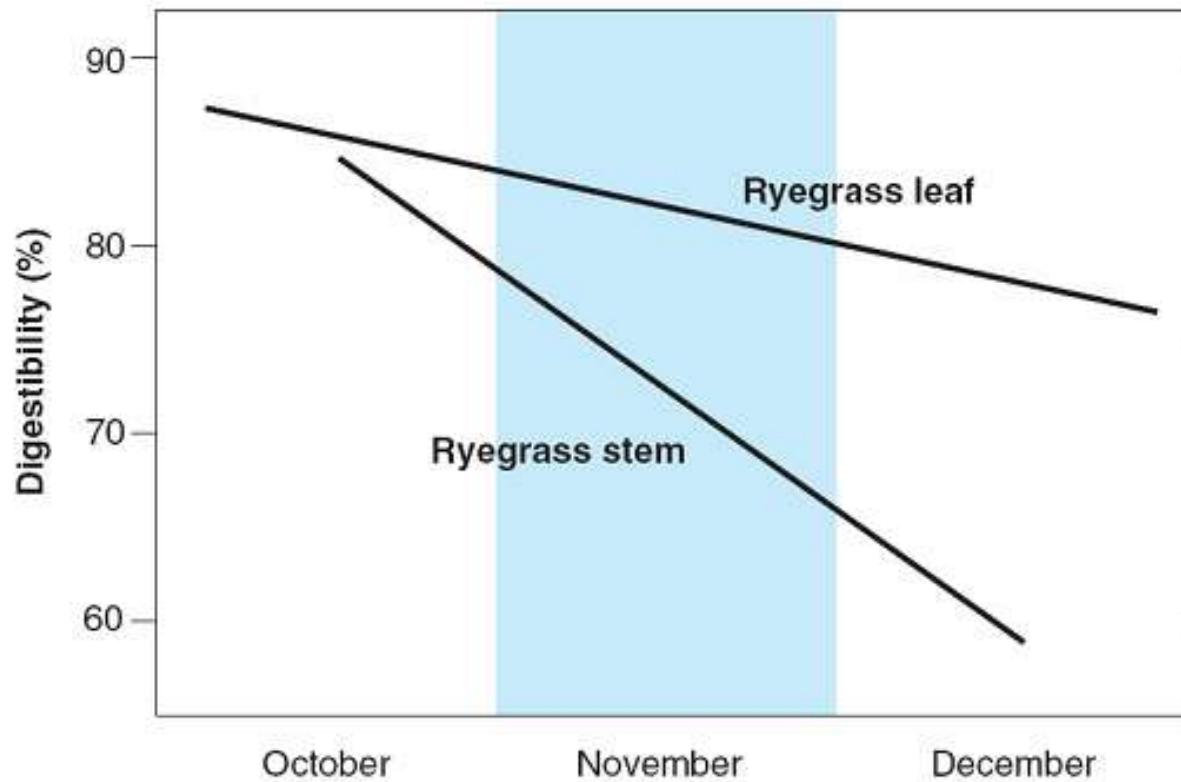
**Unless animals are grazed on pastures of adequate cover LWG will be below potential**

# Pasture quality effects on LWG



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

# Pasture quality goes off over time



Fax Number:   
 E-Mail Address: kgee@ballance.co.nz  
 Order Number: 361912

Date Received: Friday, 19 June 2009  
 Date Reported: Tuesday, 23 June 2009

Form Number: 9614213  
 Sample Name: NO 3 PIT

Sample Type: Pasture Silage  
 Species Type: Lucerne & cocksfoot

Analysis	Units	Result	Reference Range	Low	Typical	High
<b>Nutritional Constituents</b>						
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			

All care is taken in the analysis of samples submitted to this laboratory for testing. These results have been obtained from the sample "as submitted" and may not be representative of the bulk material. New Zealand Laboratory Services will not take any responsibility for their resulting use. This report is confidential and must not be reproduced except in full. If this report is received in error, notify New Zealand Laboratory Services and destroy the original message.

Lucerne  
plus  
grass

Lucerne

Analysis	Units	Reference Range	Result	Result
<b>Nutritional Constituents</b>				
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