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hance Clover Cost?							
grass %	clover%	MJME/ha	Feed Cost	kgN Fixed	N Value	nett value	
95%	5%	169,578	\$0 ha	36	\$48 ha	\$48 ha	
90%	10%	168,106	\$57 ha	73	\$96 ha	\$39 ha	
85%	15%	166,588	\$117 ha	109	\$145 ha	\$28 ha	
80%	20%	165,025	\$178 ha	145	\$193 ha	\$15 ha	
85% 80% How?	15% 20%	166,588 165,025	\$117 ha \$178 ha	109 145	\$145 ha \$193 ha	<u>\$28 ha</u> \$15 ha	
• ,	Appropria	te grass pla	nting rates	(D:12kg, 1	Г:16kg)		
•	Modest N	rates (smot	:her)				
• 1	Manage co	overs pre ar	nd post				
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Impact o	of Nitrogen Use on Farm System			Impact of Nitro	gen Use or	Profit
	Current Nitrogen use	270	kgN/Ha			
	Legislated Nitrogen use	190	kgN/Ha			
	Drop Required	80	kgN/Ha	@ \$1.33/kgN	= \$106.40) /ha
where	Response Rate	10:1				
Equals	Feed From Extra Nitrogen	800	kgDM/Ha			
Where	Opportunities to take out feed					
plus	Silage made on farm (kgDM/Area)	0	kgDM/Ha			
plus	Topping carried out (80% farm x 200kgDM)	160	kgDM/Ha	@ \$45/ha	= \$36.00) /ha
plus	Feed wasted / decay in pasture with excess cover (2200-2300 = 0kgDM additional decay) (2400 for 2 months = 50kgDM addiitonal decay)	0	kgDM/Ha			
Equals	Total Feed Saved Removed	160	kgDM/Ha			
Where	Feed Deficit from Less Nitrogen	640	kgDM/Ha			
Divide by	Stocking Rate	3.6	cows/Ha			
Equals	Deficit per cow	178	kgDM/cow			
Where	Options:					
	Less milk production assuming 8:1 response	22	kgMS/cow	@ \$6.00/kgMS	= -133.33	8 /ha
	More Supplements	178	kgDM/cow	@ \$0.48/kgDM Fed	= -\$85.33	8 /ha
	Lower Stocking Rate (same milk per cow)	0.15	cows/ha			
	Lower Stocking Rate (same total milk)	0.18	cows/ha	5.08% increase in milk per co		

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Impact	of Nitrogen Use on Farm System			Impact of Nitro	gen Us	e on Profit
	Current Nitrogen use	220	kaN/Ha			
1	Legislated Nitrogen use	190	kgN/Ha			
	Drop Required	30	kgN/Ha	@ \$1.33/kgN	= \$	39.90 /ha
where	Response Rate	10:1				
Equals	Feed From Extra Nitrogen	300	kgDM/Ha			
Where	Opportunities to take out feed					
plus	Silage made on farm (kgDM/Area)	0	kgDM/Ha			
plus	Topping carried out (% farm x 200kgDM)	0	kgDM/Ha	@ \$45/ha	= :	\$0.00 /ha
plus	Feed wasted / decay in pasture with excess cover (2200-2300 = 0kgDM additional decay) (2400 for 2 months = 50kgDM addiitonal decay)	0	kgDM/Ha			
Equals	Total Feed Saved Removed	0	kgDM/Ha			
Where	Feed Deficit from Less Nitrogen	300	kgDM/Ha			
Divide by	Stocking Rate	3.6	cows/Ha			
Equals	Deficit per cow	83	kgDM/cow			
Where	Options:					
	Less milk production assuming 8:1 response	10	kgMS/cow	@ \$6.00/kgMS	= -	62.50 /ha
	More Supplements	83	kgDM/cow	@ \$0.48/kgDM Fed	= -\$4	40.00 /ha
	Lower Stocking Rate (same milk per cow)	0.07	cows/ha			
	Lower Stocking Rate (same total milk)	0.09	cows/ha	2 38%	incroaco	in milk per cow