

Date: 27/03/2014

Name: SAMPLE REPORT

DAIRY BUSINESS

NUTRITIONAL PROGRAM

COW REQUIREMENTS

=information required =calculated result (No Info Req)

Average Weight of Cow

600

 kgs

Allowance for pregnancy Pregnant

2

 Months

1

 MJ/Cow
Energy For Maintenance

63

 MJ/Cow

Milk Production

25

 Litres/Cow/Day X

5.41

 MJ/Litre

135.25

 MJ/Cow

4.1

 %B/Fat

3.2

 %Protein

Weight Gain

0.25

 Kgs/Day X 34 MJ =

8.5

 MJ/Cow

Total Energy Required Per Cow Per Day =

207.8

 MJ/Cow

Protein % of Diet =

19%

 % Protein

Fibre % of Diet =

32%

 % NDF

DAIRY BUSINESS

=information required

=calculated result (No Info Req)

CURRENT DIET

DRY MATTER INTAKE

Pasture	35.0	kgs/cow	20	% DM	7	kgs DM/cow
Grain/Pellet	7	kgs/cow	90	% DM	6.3	kgs DM/cow
Silage	12	kgs/cow	50	% DM	6.0	kgs DM/cow
Hay	0	kgs/cow	90	% DM	0.0	kgs DM/cow
Irrigation	0.00	kgs/cow	20	% DM	0	kgs DM/cow
CROP	13.33	kgs/cow	15	% DM	2	kgs DM/cow
TOTAL	67.3	kg wet			21.3	kgs DM/cow

% DRY MATTER OF RATION

32%

ENERGY INTAKE

Pasture	7.0	kgs/cow	9	MJ/kg	63.00	MJ/cow
Grain/Pellets	6.3	kgs/cow	12.5	MJ/kg	78.75	MJ/cow
Silage	6.0	kgs/cow	8.5	MJ/kg	51.00	MJ/cow
Hay	0.0	kgs/cow	9	MJ/kg	0.00	MJ/cow
irrigation	0.0	kgs/cow	11	MJ/kg	0.00	MJ/cow
CROP	2.0	kgs/cow	9	MJ/kg	18.00	MJ/cow
TOTAL					210.75	MJ/cow

What would you like your cows to be producing ?

25.7

Litres

Total Energy Required Per Cow Per Day =	207.75	MJ/Cow
Energy Consumed Per Cow Per Day=	211	MJ/Cow
Surplus/Deficit	3.00	MJ/Cow

DAIRY BUSINESS

=information required
 =calculated result (No Info Req)

PROTEIN INTAKE

Pasture	7	kgs DM/cow	25%	% CP	1.8	kgs/cow
Grain/Pellet	6.3	kgs DM/cow	16%	% CP	1.0	kgs/cow
Silage	6	kgs DM/cow	16%	% CP	1.0	kgs/cow
Hay	0	kgs DM/cow	18%	% CP	0.0	kgs/cow
Irrigation	0	kgs DM/cow	15%	% CP	0.0	kgs/cow
CROP	2	kgs DM/cow	12%	% CP	0.2	kgs/cow
TOTAL	4.0	kgs/cow DM/cow =	19%	% CP in ration		

FIBRE INTAKE

Pasture	7	kgs DM/cow	35%	% NDF	2.45	MJ/cow
Grain/Pellet	6.3	kgs DM/cow	22%	% NDF	1.39	MJ/cow
Silage	6	kgs DM/cow	45%	% NDF	2.7	MJ/cow
Hay	0	kgs DM/cow	55%	% NDF	0	MJ/cow
Irrigation	0	kgs DM/cow	20%	% NDF	0	MJ/cow
STRAW	2	kgs DM/cow	15%	% NDF	0.3	MJ/cow
TOTAL	6.84	kgs/cow/DM/cow =	32%	% NDF in ration		

DAIRY BUSINESS

FEED COSTINGS

=information required

=calculated result (No Info Req)

GROSS INCOME = # \$1,898

27/03/2014

TOTAL ALL FEED COSTS	\$736	Costs per Cow per Day	\$ 4.46
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NET INCOME/DAY = # \$1,162 Income per Cow/Day \$ 7.04

Income Net of Feed Costs =	\$0.46	less	\$0.18	=	\$0.28 cents/litre
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Litres per cow	25	X	165	cows =	4,125	Total litres
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Prices received per litre	\$0.46	X	25	Litres/cow
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$$\text{\$11.50 per cow/day} \times 165 \text{ cows} = \text{\$1,897.50 Income/day}$$

GRAIN/PELLETS COSTS	\$ 375.00	div. by	1000	kgs	\$0.38	cents/kg
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DM %	90	\$ per tonne I	416.67
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cents DM	\$0.417	feeding level KgDM	7	\$2.92	cents/cow
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cents/cow \$2.92 X cow numbers 165 \$481 dollars/day

\$/day \$481 divide by 4,125 litres= 11.67 cents/litre

PASTURE COSTS	\$ 30.00	div. by	1000	kgs	\$0.03	cents/kg
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centsDM	\$0.03	feeding level KgDM	7	\$0.21	cents/cow
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cents/cow \$0.21 cow numbers 165 \$35 dollars/day

\$/day \$35 divide by 4,125 litres= 0.84 cents/litre

DAIRY BUSINESS

FEED COSTINGS - page 2

SILAGE COSTS		\$ 80.00	div. by	1000	kgs	\$0.08	cents/kg	DM %	45
\$ per tonne DM	\$	177.78							
cents DM	\$0.178	feeding level KgDM	6	\$1.07			cents/cow		
cents/cow	\$1.07	cow numbers	165	\$176			dollars/day		
\$/day	\$176	divide by	4,125	litres=	4.267		cents/litre		

HAY COSTS		\$ 195.00	div. by	1000	kgs	\$0.20	cents/kg	DM %	85
\$ per tonne DM	\$	229.41							
cents/kg	\$0.229	feeding level KgDM	0	\$0.00			cents/cow		
cents/cow	\$0.00	cow numbers	165	\$0			dollars/day		
\$/day	\$0	divide by	4,125	litres=	0.000		cents/litre		

irrigation		\$ -	div. by	1000	kgs	\$0.00	cents/kg	DM %	90
\$ per tonne DM	\$	-							
cents DM	\$0.000	feeding level KgDM	0	\$0.00			cents/cow		
cents/cow	\$0.00	cow numbers	165	\$0			dollars/day		
\$/day	\$0	divide by	4,125	litres=	0.000		cents/litre		

CROP COSTS (DM)		\$ 120.00	div. by	1000	kgs	\$0.12	cents/kg	DM %	90
\$ per tonne DM	\$	133.33							
cents DM	\$0.133	feeding level KgDM	2	\$0.27			cents/cow		
cents/cow	\$0.27	cow numbers	165	\$44			dollars/day		
\$/day	\$44	divide by	4,125	litres=	1.067		cents/litre		

DAIRY BUSINESS

CURRENT DIET SUMMARY

TOTAL DRY MATTER INTAKE PER COW	21.3	KG
TOTAL ENERGY PER COW	210.75	MJ
TOTAL PROTEIN PER COW	19%	
TOTAL FIBRE INTAKE PER COW	32%	NDF
CURRENT MILK PRODUCTION	25	LITRES PER COW
WEIGHT GAIN	0.25	KG/COW/DAY
% DRY MATTER IN RATION	32%	
GROSS INCOME PER DAY	\$1,898	
NET INCOME AFTER ALL FEED COSTS	\$1,162	or \$ 7.04 per cow

DISCLAIMER NOTE: The information provided is for business overview purposes only and

the calculations are based on the accuracy of the information provided by you.

The information about your business and the results of the calculations are yours

and held in the strictest confidence. The information is general and is only intended as a guide.

When deciding on what your business will do, many factors need to be considered

including your business' situation and financial position.

