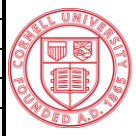
Farm Inputs	Date
Farm Name	
Cow Group	
Average Body Weight of Cows	
Pounds milk per cow per day	
Milk-%Fat	
Milk-%True Protein	
Net Milk Price per CWT	
MUN-Milk Urea Nitrogen	
Freshenings per year	
Cows dead/culled within 60 days fresh/year	
1st calf heifers - number	
Months - age of first calving	
2nd lactation animals - number	



Cornell University
Cooperative Extension

Precision Feed Management
Benchmark Calculator

Forage Inputs	Feed						
Pounds as fed per cow per day							
Cost per ton as fed							
Purchased?							
DM %							
CP % (DM Basis)							
NDF % (DM Basis)							
P % (DM Basis)							

	Min Est.	Actual	Max Est.	
DM Intake				lbs per day

Concentrate Inputs	Feed						
Pounds as fed per cow per day							
Cost per ton as fed							
Purchased?							
DM %							
CP % (DM Basis)							
P % (DM Basis)							

Benchmarks	Goal	Your Value
Forage NDF intake as % of body weight	≥ 0.9%	
Forage as a percent of diet	≥ 60%	
Home grown feeds as a percent of diet	≥ 60%	
Ration P as percent of requirement	< 110%	
Diet crude protein	< 16.5%	
Milk Urea Nitrogen (MUN)	8-12 mg/dl	
Cows dead or culled less than 60 DIM/year	< 8%	

Efficiencies

% CP in Ration	
% N use efficiency	
Manure N excreted g/day	
Purchased Feed N - Milk N, g/cow/day	
% P in Ration	
% P use efficiency	
Manure P excreted g/day	
Purchased Feed P - Milk P, g/cow/day	

Profitability: $ per cow per day

Milk income	
Feed cost	
Milk income-feed cost	
Forage cost	
Concentrate feed cost	
Purchased feed cost	
Milk income-concentrate feed cost	
Milk income-purchased feed cost	