

Profile of Cows by Days in Milk

Days In Milk Category		Cows		Test Day									
		In Milk	With MUN	Milk Lbs	% Fat	% Pro	% SNF	Linear Score	Wt. Avg. SCC	Low MUN	High MUN	Avg. MUN	% Other Solids
1st Lactation	1 - 40	1											
	41 - 100												
	101 - 199	4		65	4.5	3.6	5.9	2.0	101				2.2
	200 - 305	13		62	4.5	3.7	5.9	1.7	124				2.2
	306+	15		60	4.7	3.9	5.8	2.4	111				1.9
	Average/Total	33		59	4.5	3.7	5.8	2.1	115				2.1
2nd Lactation	1 - 40	2		118	3.7	2.8	5.7	0.2	14				2.9
	41 - 100	6		93	3.7	2.9	6.0	0.6	23				3.1
	101 - 199	4		91	3.8	3.2	6.0	0.1	13				2.8
	200 - 305	13		75	4.2	3.5	5.7	0.9	35				2.2
	306+	2		72	4.6	4.0	5.7	3.3	144				1.7
	Average/Total	27		84	4.0	3.3	5.8	0.8	34				2.5
3+ Lactation	1 - 40	2		65	5.2	3.9	5.6	2.8	84				1.7
	41 - 100	7		90	3.7	3.0	6.1	0.9	57				3.0
	101 - 199	4		101	3.2	3.3	5.8	2.2	362				2.5
	200 - 305	15		68	4.1	3.6	5.6	3.1	237				2.0
	306+	7		52	3.9	3.6	5.7	2.4	87				2.1
	Average/Total	35		73	3.9	3.5	5.8	2.3	182				2.3
All Lactations	1 - 40	5		73	4.7	3.5	5.6	1.9	50				2.1
	41 - 100	13		91	3.7	2.9	6.0	0.7	41				3.1
	101 - 199	12		85	3.8	3.4	5.9	1.4	173				2.5
	200 - 305	41		68	4.3	3.6	5.7	1.9	133				2.1
	306+	24		58	4.4	3.8	5.8	2.5	110				2.0
	Average/Total	95		72	4.1	3.5	5.8	1.8	114				2.4

Profile of Cows by Group Number

Group Number	Cows			Test Day									
	Avg. DIM	In Milk	With MUN	Milk Lbs	% Fat	% Pro	% SNF	Linear Score	Wt. Avg. SCC	Low MUN	High MUN	Avg. MUN	% Other Solids
1	308	23		65	4.0	3.8	5.6	3.0	180				2.1
3	252	59		70	4.3	3.5	5.8	1.6	112				2.3
7	78	11		95	3.6	2.9	6.0	1.2	53				3.2
8	6	2		72	5.5	4.2	5.5	2.6	76				1.8
Avg/Total	241	95		72	4.1	3.5	5.8	1.8	114				2.4

Milk for urea nitrogen (MUN) values is expressed as milligrams per deciliter (mg/dl). For a group of 10 or more cows with 40 or more days in milk, a target group average MUN is 10 to 14 mg/dl. Within a group, most animals will be within +/- six units or the group average MUN (Ex: If the group's average is 12, most cows will fall within a range of 6 to 18).

MUN levels are affected by the total intake of crude protein, degradable and soluble protein, and the amount and type of nonstructural carbohydrates supplied in the ration. While low levels of MUN might indicate low protein intake and high levels of MUN might indicate high levels of protein intake, it is quite possible the problem is the result of a combination of several different nutrient intake levels. Therefore, a trained herd consultant should work with you in interpreting these results.

This report assists in the analysis of your herd's milk urea nitrogen values. It summarizes test day data for your milking herd by days in milk and by group number.

The **Profile of Cows by Days in Milk** summarizes data by days in milk categories for 1st, 2nd and 3rd+ lactations. Cows are summarized across lactations within days in milk categories to provide herd averages.

The **Profile of Cows by Group Number** summarizes data by group number. Cows are summarized across groups to provide additional herd averages.

The information that appears within each profile is described below.

Cows:

Milking	Number of milking animals
MUN Samples	Number of milk samples analyzed for milk urea nitrogen

Test Day Values:

Milk Lbs.	The average daily milk production on test day.
% Fat	The average percent butterfat of the milk produced on test day.
% Pro	The average percent protein of the milk produced on test day.
%SNF	The average percent solids-not-fat of the milk produced on test day.
Linear Score	The average somatic cell score of the milk produced on test day expressed as a linear score.
Weighted SCC	The average weighted somatic cell count of the milk produced on test day.
Low MUN	Of the test day samples analyzed, this is the lowest milk urea nitrogen value.
High MUN	Of the test day samples analyzed, this is the highest milk urea nitrogen value.
Avg. MUN	The average milk urea nitrogen value of the milk produced on test day.
% Other Solids	The average percent of other solids.
DIM	The average days in milk through current test day for milk cows. This only appears for the Profile of Cows By Group Number.