Table 4. Subset of NESARE forage and feed quality analyses for the FORAGE rotation in A) 2010 and B) 2012. The main management comparison in this rotation is broadcasting (BM) vs. injecting (IM) manure. Standard errors (SE) are presented. See 2011 Annual Report for that year's data.

A) 2010

		% Crude Protein			% Neutral Detergent Fiber			Net Energy of Lactation (Mcal/lb)		
Crop Entry	Harvest Date	IM	BM	(SE)	IM	BM	(SE)	IM	BM	(SE)
Corn Silage (after alf+grass)		**8.20**	**8.10**	0.16	**32.50**	**33.77**	1.34	**0.84**	**0.83**	0.01
Corn Silage (after red clov.)		**8.10**	**8.20**	0.16	**30.73**	**31.60**	1.34	**0.85**	**0.83**	0.01
Canola^										
Red Clover (fall cut)										
Alf+Grass Yr. 1 (cut #1)/silage ~	6/29/2010	**18.57**	**18.13**	0.84	**45.00**	**41.13**	2.16	**0.62**	**0.66**	0.02
Alf+Grass Yr. 1 (cut #2)/silage	8/3/2010	**23.90**	**24.60**	0.84	**51.37**	**47.70**	2.16	**0.49**	**0.51**	0.02
Alf+Grass Yr. 1 (cut #3)	9/14/2010	**22.87**	**22.67**	0.84	**44.37**	**48.40**	2.16	**0.63**	**0.61**	0.02

a,b: Different lowercase letters between IM and BM for a particular variable indicate a statistical difference between main management treatments at the 0.05 level.

^For canola, one composite sample of meal was taken for all treatments in the first year.

~ For alfalfa + grass, subsamples were taken for one crop entry because all crop entry points were new seedings.

B) 2012

		% Crude Protein			% Neutral Detergent			Net Energy of Lactation		
Crop Entry	Harvest Date	IM	BM	(SE)	IM	BM	(SE)	IM	BM	(SE)
Corn Silage (after alf+grass)	9/17/2012	**7.83**	**7.77**	0.13	**38.30**	**34.63**	1.10	**0.78**	**0.81**	0.01
Cutting Alf+Grass Before Corn Silage*	5/11/2012	**22.90**		-	**48.90**		-	**0.63**		-
Corn Silage (after red clov.)	9/7/2012	**8.37**	**7.53**	0.29	**35.90**	**35.73**	2.19	**0.81**	**0.81**	0.02
Canola^	7/3/2012	**40.2**	**37.9**	-	**31.3**	**91.8**	-	**0.86**	**0.89**	-
Red Clover (fall cut)*	8/22/2012	**22.0**	**21.3**	-	**49.6**	**51.8**	-	**0.53**	**0.50**	-
SS Grass Yr. 1 (cut #1)/silage~	7/24/2012	**15.15**		0.75	**67.05**		0.95	**0.45**		0.01
SS Grass Yr. 1 (cut #2)/silage	8/30/2012	**13.30**	**12.73**	0.49	**58.10**	**57.67**	0.59	**0.59**	**0.58**	0.01
Alf+Grass Yr. 2 (cut #1)/silage	5/11/2012	**22.90**	**21.35**	IM: 1.15 BM: 0.81	**41.30**	**41.95**	IM: 3.56 BM: 2.52	**0.69**	**0.68**	IM: 0.03 BM: 0.02
Alf+Grass Yr. 2 (cut #2)/silage	6/8/2012	**20.90**	**20.35**	IM: 1.15 BM: 0.81	**48.20**	**46.80**	IM: 3.56 BM: 2.52	**0.64**	**0.65**	IM: 0.03 BM: 0.02
Alf+Grass Yr. 2 (cut #3)/hay	7/9/2012	**16.70**	**17.45**	IM: 1.15 BM: 0.81	**55.40**	**54.00**	IM: 3.56 BM: 2.52	**0.58**	**0.58**	IM: 0.03 BM: 0.02
Alf+Grass Yr. 2 (cut #4)/silage	8/3/2012	**25.73**	**21.97**	0.66	**44.57**	**54.00**	2.06	**0.63**	**0.55**	0.02
Alf+Grass Yr. 2 (cut #5)/hay	9/6/2012	**21.10**	**20.15**	IM: 1.15 BM: 0.81	**46.30**	**51.75**	IM: 3.56 BM: 2.52	**0.58**	**0.56**	IM: 0.03 BM: 0.02

a,b: Different lowercase letters between IM and BM for a particular variable indicate a statistical difference between main management treatments at the 0.05 level.

^For canola, results shown are the averages from three (IM) or two (BM) representative sample(s) and were not analyzed statistically.

*Only 1-2 samples were taken, so it was not analyzed with SAS.

~Only 1 sample per main mgt trmt was taken; composited mean and SE were generated in Excel.