Figure 1. Concentration of crude protein (CP; % of dietary dry matter) in cooperator farms

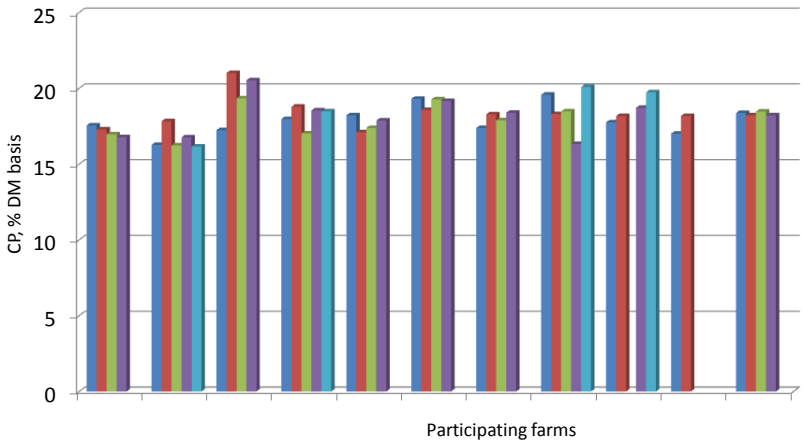

Table 1. Average gas emissions (mg/m^2/h; variability not shown due to space limitation) in participating dairies during the Fall'09 sampling event (2 measurements per farm, except one farm)

Farm	N=	Sampling date	Ammonia	Nitrous oxide	Methane	Carbon dioxide	Ambient t°C	Manure t°C	Manure thickness, cm
1	12	10/26/09	901	0.68	1987	2691	9.9	11.1	46
	12	11/9/09	730	1.87	3164	9114	15.0	14.0	72
2	12	10/26/09	193	N/D[1]	41	3792	16.6	12	3.3
	12	11/09/09	132	0.37	17	2014	9.2	11.0	2.0
3	12	10/28/09	898	0.50	319	4355	14.4	15.0	14.8
	12	11/13/09	417	0.71	478	5821	N/A	12.2	18.4
4	12	11/06/09	166	0.25	69	2241	7.3	7.4	1.9
	12	11/18/09	349	031	44	1822	9.8	10.8	2.1
5	12	11/06/09	261	0.11	61	2018	9.2	7.9	1.2
	12	11/18/09	428	0.07	37	1567	13.2	10.3	0.9
6	12	11/04/09	183	0.05	129	2443	11.3	11.3	3.1
	12	11/16/09	597	0.02	68	3203	16.5	14.8	1.0
7	12	11/04/09	276	2.20	719	6467	11.5	14.5	13.8
	12	11/16/09	612	1.71	933	8403	15.6	15.9	16.1
8	12	11/11/09	413	1.36	2611	7506	10.2	12.8	30.5

[1] Not detected.

[2] Not analyzed/recorded.

Table 2. Average gas emitting potential of manure in laboratory conditions (mg/m^2/h; variability not shown due to space limitation) from manure samples collected during the Fall'09 sampling event

Farm code	N=	Sampling date	Ammonia	Nitrous oxide	Methane	Carbon dioxide	Initial manure pH	Final manure pH
1	3	10/26/09	245	N/D[1]	9.4	701	7.4	8.5
	3	11/09/09	177	N/D	8.4	744	7.2	8.9
2	3	10/26/09	164	N/D	9.4	747	7.4	8.0
	3	11/09/09	218	N/D	13.4	737	7.4	8.7
3	2	10/28/09	119	N/D	9.0	586	7.4	8.5
	2	11/13/09	199	N/D	13.0	759	7.2	8.3
4	2	10/28/09	141	N/D	19.8	733	7.4	8.4
	2	11/13/09	215	N/D	19.4	740	7.1	8.6
5	2	10/28/09	136	N/D	12.2	697	7.6	8.4
	2	11/13/09	176	N/D	15.7	699	7.0	8.6
6[2]	3	11/02/09	191	N/D	13.0	827	7.6	8.4
7	2	11/06/09	154	N/D	15.1	795	7.9	8.7
	2	11/18/09	148	N/D	13.2	707	7.3	8.4
8	2	11/06/09	173	N/D	22.5	926	7.5	8.7
	2	11/18/09	222	N/D	21.6	844	7.3	8.3
9	3	11/04/09	131	N/D	21.5	1265	7.4	8.3
	2	11/16/09	187	N/D	13.9	938	7.2	8.4
10	2	11/06/09	160	N/D	10.6	698	7.6	8.4
	2	11/18/09	129	N/D	8.0	600	7.1	8.1
11	3	11/04/09	189	N/D	23.3	1437	7.5	8.1
	2	11/16/09	185	N/D	10.2	715	7.2	8.3
12[2]	2	11/16/09	143	N/D	8.0	604	7.7	8.7

[1] Not detected.

[2] Instrument malfunction – only one sample was analyzed for these farms.

Figure 2. Chemical analyses of TMR samples collected during the reporting period

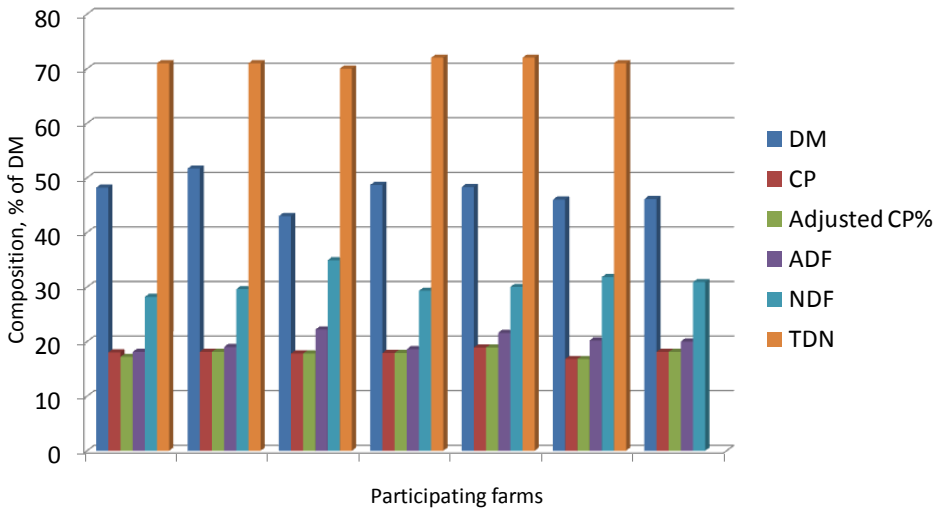

Figure 3. Participating farms income-over-feed-cost for the reporting period

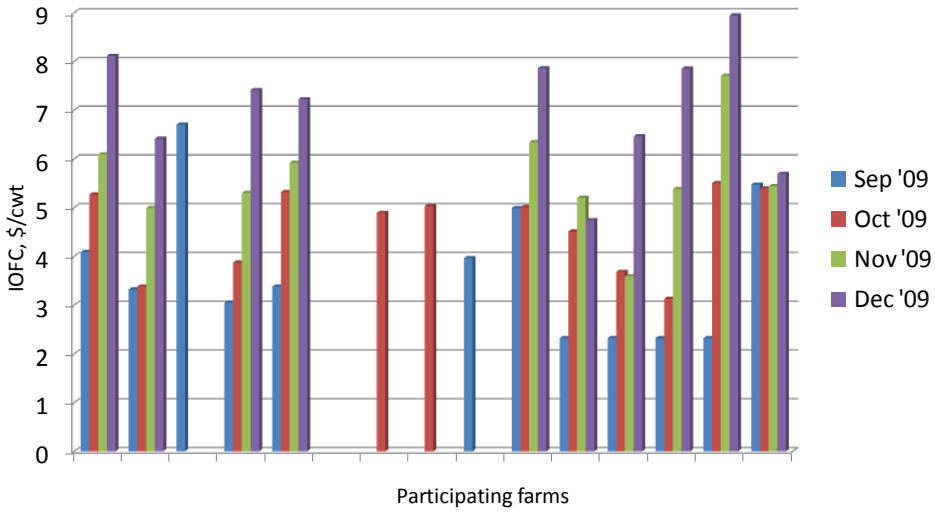

Figure 4. Milk urea nitrogen concentration during the reporting period