

Effects of prepartum positive and negative dietary cation/anion differences on postpartum calcium concentration and risk factors for subclinical hypocalcemia in Holstein cows

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SUPPLEMENTARY FILE

Supplementary Table S1. Ingredients and chemical composition of prepartum rations.

Ingredients, % of DM	Prepartum DCAD status ¹	
	Negative	Positive
Corn silage	40.4	41.1
Alfalfa hay	7.03	7.14
Wheat straw	3.16	3.21
Ground corn grain	13.4	13.6
Rolled barley grain	13.2	13.4
Soybean meal	5.06	5.14
Canola meal	13.5	13.7
Calcium carbonate	1.21	1.23
Vitamin premix	1.41	1.43
Ammonium sulfate	0.70	0.0
Calcium chloride	0.91	0.0
Nutrient composition		
Crude protein, % of DM		
NDF, % of DM	33.5	34.1
Ether extract, % of DM	2.81	2.90
ME, Mcal/kg DM	1.66	1.69
Ca, % of DM	1.10	0.86
P, % of DM	0.41	0.42
Mg, % of DM	0.24	0.24
DCAD, mEq/kg of DM	-34	201

¹ Dietary cation-anion difference (DCAD) was calculated as [(Na + K) – (Cl + S)].