**Table S1: Ingredient and nutrient composition of the experimental diets**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Dietary treatmenta |  |
| Item | CON | HC | HCT |
| Concentrate : Forage | 30:70 | 70:30 | 70:30 |
| Ingredient (% of DM) |  |  |  |
| Corn grain | 14.54 | 60.23 | 60.23 |
| Soybean meal | 12.50 | 7.10 | 7.10 |
| Oat grass | 56 | 24 | 24 |
| Alfalfa | 14 | 6 | 6 |
| Calcium hydrophosphate | 1.38 | 0.52 | 0.52 |
| Limestone | 0.58 | 1.15 | 1.15 |
| Salt | 0.50 | 0.50 | 0.50 |
| Premixb | 0.50 | 0.50 | 0.50 |
| Nutrient composition |  |  |  |
| DE (MJ/kg) | 15.2 | 15.4 | 15.4 |
| CP (%) | 17.88 | 17.75 | 17.75 |
| NDF (%) | 43.68 | 27.53 | 26.53 |
| ADF (%) | 25.32 | 15.15 | 15.15 |
| Starch (%) | 26.17 | 51.56 | 51.56 |
| Calcium (%) | 1.46 | 1.32 | 1.32 |
| Phosphorus (%) | 0.54 | 0.57 | 0.57 |
| Thiamine (mg/kg of DM) | 1.56 | 1.82 | 204.82 |

a CON = control; HC = high-concentrate diet; HCT = highconcentrate diet supplemented with 200 mg of thiamine/kg of DMI.

b Premix consisted of the following ingredients per kilogram of diet: 6.00 × 103 IU of vitamin A, 3.0 × 103 IU of vitamin D, 82.0 mg of vitamin E, 6.15 mg of Cu, 70.0 mg of Fe, 65.0 mg of Zn, 47.0 mg of Mn, 0.135 mg of I, 0.115 mg of Co, and 0.115 mg of Mo.