Hoseyni et al (2016). Effects of dam parity and pre-weaning average daily gain of Holstein calves on future milk production

Supplementary Table S1. Ingredients and chemical composition of rearing diet (DM basis) †

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item  | 0-3 month of age | 3-5 month of age | 5-7 month of age | 7-9 month of age |
| Ingredient composition, %  |  |  |  |  |
| Alfalfa hay | - (10) | 55.8 | 48.9 | 56.6 |
| Corn silage | - | 1.7 | 15 | 6.8 |
| Barley grain ground | 17 (15.3) | 11.9 | 10.1 | 10.2 |
| Corn Grain ground | 40.3 (36.2) | 5.2 | 4.4 | 4.5 |
| Soybean meal | 37 (33.3) | 12.7 | 10.8 | 10.9 |
| Vitamin premix‡ | 1.3 (1.1) | 0.5 | 0.5 | 0.5 |
| Mineral premix§ | 1.3 (1.1) | 0.5 | 0.5 | 0.5 |
| Poultry mineral-vitamin¶ premix | 0.5 (0.5) | - | - | - |
| Ca-carbonate | 0.8 (0.7) | 0.6 | 0.6 | 0.6 |
| Salt | 1 (0.9) | 0.4 | 0.4 | 0.4 |
| MgO | 0.5 (0.5) | 0.2 | 0.2 | 0.2 |
| Sorbatox | 0.3 (0.3) | 0.1 | 0.1 | 0.1 |
| Levuccel | 0.1 (0.1) | - | - | - |
| Canola meal | - | 1.7 | 1.5 | 1.5 |
| Sunflower meal | - | 8.5 | 7.2 | 7.3 |
| Chemical composition |  |  |  |  |
| ME, MJ/kg DM | 11.3 (11.2) | 10.5 | 10.3 | 10.3 |
| Crude protein, g/kg DM |  219.0 (214) | 200.0 | 185.0 | 192.0 |

†The calves were offered only starter from d 3 until 40 d of birth, following 10% alfalfa hay + 90 % starter (numbers inside the parenthesis) through 3 months of age.

‡ Contained (per kg of DM): 160000 IU of Vitamin A; 24000 of IU Vitamin D; 1000 of IU Vitamin E; 1000 mg of monensin; 80 g of Ca; 20 g of P; 20 g of Mg; 4 mg of Co; 200 mg of Cu; 10 mg of I; 1600 mg of Mn; 12 mg of Se; 1600 mg of Zn.

§Contained (per kg of DM): 120000 mg of Mn; 40000 mg of Fe; 100000 mg of Zn; 16000 mg of Cu; 1250 mg of I; 300 mg of Se.

¶ Contained (per kg of DM): 11000000 IU of Vitamin A; 5000000 of IU Vitamin D3; 75000 of IU Vitamin E; 3000 mg of K3; 3000 mg of B1; 8000 mg of B2; 15000 mg of B3; 60000 mg of B5; 4000 mg of B6; 200 mg of B9; 16 mg of B12; 150 mg of H2; 800000 mg of choline.