**Table 1**. Nutritional composition and fermentation profile (% of DM except as noted) of feed ingredients used in the experimental diet.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item | Corn silage | Grass-legume silage | Ground corn | Soybean meal | Roasted soybean | Kelp meal | Monensin pellet |
| DM, % as fed | 33.2 | 34.6 | 86.3 | 90.0 | 94.6 | 88.9 | 90.1 |
| CP, | 7.86 | 16.4 | 8.58 | 51.6 | 41.0 | 7.65 | 17.3 |
| NDF | 48.1 | 53.0 | 8.50 | 11.4 | 20.1 | 46.8 | 23.6 |
| ADF | 30.9 | 37.6 | 2.66 | 8.88 | 9.70 | 31.9 | 11.4 |
| Lignin | 3.60 | 6.28 | 0.76 | 3.64 | 1.76 | 16.3 | 2.65 |
| Starch | 29.5 | 1.00 | 71.0 | 1.48 | 0.86 | 0.70 | 19.4 |
| Sugars | 1.28 | 2.18 | 1.96 | 13.1 | 9.88 | 0.95 | 6.50 |
| Crude fat | 3.30 | 4.72 | 3.36 | 2.26 | 20.7 | 3.40 | 2.05 |
| Ash | 3.88 | 9.88 | 1.59 | 7.50 | 5.72 | 23.5 | 18.5 |
| Ca | 0.16 | 0.69 | 0.02 | 0.47 | 0.22 | 1.12 | 4.83 |
| P | 0.22 | 0.36 | 0.29 | 0.66 | 0.55 | 0.16 | 0.64 |
| Mg | 0.10 | 0.29 | 0.11 | 0.29 | 0.23 | 0.89 | 0.41 |
| K | 0.90 | 2.56 | 0.39 | 2.19 | 1.67 | 2.51 | 1.05 |
| Na | 0.01 | 0.08 | 0.00 | 0.00 | 0.01 | 342 | 0.39 |
| S | 0.10 | 0.26 | 0.11 | 0.41 | 0.32 | 3.37 | 0.40 |
| I, mg/kg | 0.15 | 0.17 | 0.004 | 0.01 | 0.02 | 356 | 12.7 |
| As, mg/kg | 0.04 | 0.12 | 0.002 | 0.01 | 0.01 | 12.7 | 0.03 |
| Fe, mg/kg | 109 | 333 | 31.2 | 109 | 110 | 234 | 484 |
| Zn, mg/kg | 17.6 | 29.2 | 19.0 | 47.6 | 39.6 | 33.5 | 194 |
| Cu, mg/kg | 4.60 | 9.40 | 2.60 | 15.2 | 11.0 | 2.50 | 29.0 |
| Mn, mg/kg | 9.40 | 61.0 | 5.20 | 36.8 | 26.0 | 24.5 | 137 |
| Mo, mg/kg | 1.02 | 4.42 | 0.44 | 4.34 | 1.54 | 1.15 | 1.20 |