**Short communication: Insoluble fibres in supplemental pre-weaning diets affect behaviour of suckling piglets**

C. Clouard, L. Stokvis, J.E. Bolhuis and H.M.J. van Hees

**Supplementary Table S1.** *Composition of the experimental diets1*

|  |  |  |  |
| --- | --- | --- | --- |
|   | Supplemental milk |  | Dry meal |
|  | High-fibre | Low-fibre |  | High-fibre | Low-fibre |
| Ingredient composition (%)  |
| Basal milk supplement2  | 90 | 90 |  | ‒ | ‒ |
| Basal meal SRC3  | ‒ | ‒ |  | 90 | 90 |
| Premix piglets 1%  | ‒ | ‒ |  | 1.0 | 1.0 |
| Arbocel® BWW4  | 5.0 | 0.0 |  | 5.0 | 0.0 |
| Corn starch extract  | 4.7 | 9.7 |  | 3.7 | 8.7 |
| Calculated nutrient composition5  |
| Moisture (g)  | 30.6 | 35.9 |  | 76.8 | 82.1 |
| Dry matter (g)  | 969 | 964 |  | 923 | 918 |
| Crude protein (g) | 202 | 206 |  | 184 | 188 |
| Ether extract (g)  | 200 | 202 |  | 99.2 | 101 |
| Crude fibre (g)  | 51.0 |  <10 |  | 67.1 | 18.4 |
| Ash (g)  | 61.6 | 62.1 |  | 48.9 | 49.4 |
| Starch (Ewers method) (g)  | 32.6 | 63.8 |  | 210.4 | 241.6 |
| Non-starch polysaccharides (g)  | 98.3 | 55.7 |  | 139.8 | 97.2 |
| Lactose (g)  | 348 | 348 |  | 145 | 145 |
| Calcium (g)  | 4.96 | 4.98 |  | 5.20 | 5.21 |
| Phosphorus (g)  | 4.63 | 4.77 |  | 5.74 | 5.88 |
| Copper (total) (mg)  | 141 | 141 |  | 176 | 176 |
| Zinc (total) (mg)  | 91.0 | 92.0 |  | 100 | 101 |
| Lysine (g)  | 15.9 | 16.0 |  | 15.6 | 15.7 |
| Net energy (MJ)  | 14.1 | 14.7 |  | 10.9 | 11.5 |
| Net energy (kCal)  | 3371 | 3502 |  | 2733 | 2864 |

1 Piglets were fed a high-fibre or low-fibre supplemental milk from day five to 11 of age, and a high-fibre or low-fibre dry meal from day 15 to 23 of age, after a three-day transition period from days 12 to 14 of age, with a ratio milk:dry meal of 75%-25%, 50%-50%, and 25%-75%.

2 Basal milk supplement consisted of dairy whey products (63.3%), fats and oils (20.0%), wheat protein (5.56%), dextrose (5.00%), soy protein (2.78%), synthetic amino acids (1.30%), vitamin and mineral premix (1.05%) and organic acids (1.05%).

3 Basal meal consisted of heat-treated cereals (29.1%), dextrose, lactose and saccharose (17.2%), dairy whey products (16.5%), extruded soybean meal (12.6%), heat-treated soy beans (6.78%), vegetable proteins (5.56%), barley (4.44%), fats and oils (3.56%), vitamin and mineral premix (1.94%)., synthetic amino acids (1.79%) and organic acids (0.53%).

4 Arbocel® BWW is natural pure cellulose (J. Rettenmaier & Sohne GmbH + Co KG, Rosenberg, Germany).

5 Expressed per kilogram of dry milk powder or meal.