

Table S1. Ingredients and nutrient composition of experimental gestation and lactation diets (as-fed basis).

Ingredients	Gestation diet	Lactation diet
Ingredient, %		
Corn	54.80	54.40
Soybean meal, 43%CP	11.50	26.00
Wheat bran	0.00	11.00
Soybean hull	14.00	0.00
Rice bran meal	16.00	0.00
Calcium carbonate	1.20	1.51
Dicalcium phosphate	1.00	1.23
Salt	0.40	0.26
Mildewcide ¹	0.10	0.10
Choline chloride	0.00	1.00
Premix ²	1.00	1.50
Nutrient composition		
Net energy, MJ/kg ³	9.53	10.36
Crude protein, %	13.96	18.92
ISF, % ⁴	26.95	14.45
SF, % ⁵	2.85	1.76
NDF, % ⁶	15.70	11.18
ADF, % ⁷	5.47	4.26
Lys, % ³	0.59	1.03
Ca, % ³	0.78	1.06
Available P, % ³	0.40	0.45

¹Mildewcide: ammonium propionate.

²Provided per kg of diet: Cu, 30 mg; Fe, 160 mg; Zn, 160 mg; Mn, 55 mg; I, 0.5 mg; Se, 0.5 mg; Co, 0.8 mg; Cr, 0.2 mg; Vitamin A, 14000 IU; Vitamin D₃, 2900 IU; Vitamin E, 120 mg; Vitamin K₃, 6 mg; Vitamin B₁, 2.4 mg; Vitamin B₂, 8.5 mg; Vitamin B₆, 4.5 mg; Vitamin B₁₂, 0.03 mg; Vitamin H, 0.55 mg; Pantothenic acid, 30 mg; Folic acid, 5 mg; Nicotinamide, 50 mg.

³Calculated chemical concentrations using values for feed ingredients from the NRC (2012).

⁴insoluble fiber.

⁵solubel fiber.

⁶neutral detergent fiber.

⁷acid detergent fiber.