

**Table S1. Composition of the experimental diet in the pre-starter phase (1-7 days) of broiler chickens.**

<b>Ingredients</b>	<b>% Buriti Oil</b>		
	<b>0%</b>	<b>1%</b>	<b>2%</b>
Corn (7.8 CP)	52.491	52.491	52.491
Soybean meal (48% CP)	38.232	38.232	38.232
Soybean oil	3.429	2.661	1.887
Dicalcium phosphate	1.857	1.857	1.857
Limestone	0.986	0.986	0.986
Salt	0.534	0.534	0.534
Vitamin and mineral premix <sup>1</sup>	0.500	0.500	0.500
L-Lysine HCL	0.229	0.229	0.229
DL-Methionine	0.356	0.356	0.356
L-Threonine	0.086	0.086	0.086
Buriti Oil	0.000	1.000	2.000
Inert	1.300	1.068	0.842
<b>Total</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>
Linoleic acid	3.101	2.697	2.290
Digestible Arginine	1.413	1.413	1.413
Ca	0.971	0.971	0.971
Cl	0.385	0.385	0.385
Metabolizable Energy (Mcal/kg)	2975	2976	2977
Available P	0.463	0.463	0.463
Digestible Lysine	1.307	1.307	1.307
Digestible Methionine + Cysteine	0.967	0.967	0.967
Digestible Methionine	0.657	0.657	0.657
k	0.975	0.975	0.975
Crude Protein (%)	23.000	23.011	23.021
Na	0.225	0.225	0.225

<sup>1</sup>Composition per kilogram of feed: Vit A, 3000,000 IU; Vit E, 9,500 IU; Vit B1, 588 mg; Vit B2, 1,160 mg; Vit B6, 792 mg; Vit B12, 4,150 mcg; Vit K3, 520 mg; Vit D3, 800 IU; Vit B5, 3,230 mg; Vit B3, 9,800 mg; Vit B9, 200 mg; biotin, 20 mg; zinc, 13 g; Iron, 13 g; Mn, 15 g; Cu, 3,120 mg; I, 254 mg; Co, 48 mg; Se, 88 mg; ethoxyquin, 52 mg; B.H.A, 40 mg; Q.S.P, 1,000 mg

**Table S2. Composition of the experimental diet in the starter phase (8 to 21 days) of broiler chickens.**

<b>Ingredients</b>	<b>% Buriti Oil</b>		
	0%	1%	2%
Corn (7.8 CP)	56.321	56.321	56.321
Soybean meal (48% CP)	35.511	35.511	35.511
Soybean oil	3.528	2.748	1.968
Dicalcium phosphate	1.641	1.641	1.641
Limestone	0.903	0.903	0.903
Salt	0.517	0.517	0.517
Vitamin and mineral premix <sup>1</sup>	0.400	0.400	0.400
L-Lysine HCL	0.248	0.248	0.248
DL-Methionine	0.339	0.339	0.339
L-Threonine	0.085	0.085	0.085
L-Arginine	0.007	0.007	0.007
Buriti Oil	0.000	1.000	2.000
Inert	0.500	0.280	0.060
<b>Total</b>	<b>100.000</b>	<b>100.000</b>	<b>100.000</b>
Linoleic acid	3.205	2.795	2.384
Digestible Arginine	1.344	1.344	1.344
Ca	0.878	0.878	0.878
Cl	0.377	0.377	0.377
Metabolizable Energy (Mcal/kg)	3050	3050	3050
Available P	0.419	0.419	0.419
Digestible Lysine	1.256	1.256	1.256
Digestible Methionine + Cysteine	0.929	0.929	0.929
Digestible Methionine	0.630	0.630	0.630
K	0.929	0.929	0.929
Crude Protein (%)	22.000	22.01	22.02
Na	0.218	0.218	0.218

<sup>1</sup>Composition per kilogram of feed: Vit A. 3000.000 IU; Vit E. 9.500 IU; Vit B1. 588 mg; Vit B2. 1.160 mg; Vit B6. 792 mg; Vit B12. 4.150 mcg; Vit K3. 520 mg; Vit D3. 800 IU; Vit B5. 3.230 mg; Vit B3. 9.800 mg; Vit B9. 200 mg; biotin. 20 mg; zinc. 13 g; Iron. 13 g; Mn. 15 g; Cu. 3.120 mg; I. 254 mg; Co. 48 mg; Se. 88 mg; ethoxyquin. 52 mg; B.H.A. 40 mg; Q.S.P. 1.000 mg