



Wuliangtai User Manual

FISUGARPEPTIDE BIOLOGY ENGINEERING CO., LTD

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【Product Ingredients】

WLT (short for Wuliangtai) is a probiotic fermented product using corn, rice, condensed fish solubles, soybean meal, compound oil (modified soybean lecithin, coconut oil), it's not only contains Emulsify fat, Fructose glucose, Maltodextrin, but also rich in small peptide, Lactic acid, Calcium lactate, CLA (conjugated linoleic acid), Eelenium yeast, Probiotics, Oligose, Biological enzyme and the unnamed growth factor.

Main nutritional ingredients



【Efficacy】

- Increasing feed intake, high absorptivity, contains Emulsify fat, Polysaccharide, Biological enzyme, increasing digestibility and palatability, feed intake increased up to 8%.
- Growth-promoting, stimulate lactation, rich in small peptide, Yeast protein, increasing ADG above 6%, milk yield up to 12%.
- Immunity increasing, avoid diarrhea, contains lactic acid, Calcium lactate and Immune Factors, decreasing Diarrhea rate above 50%.

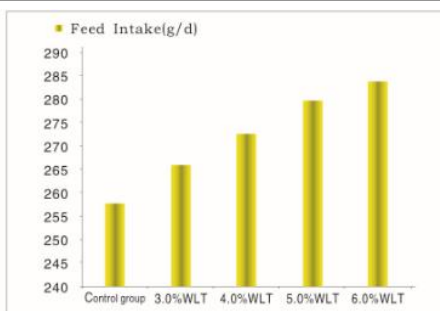
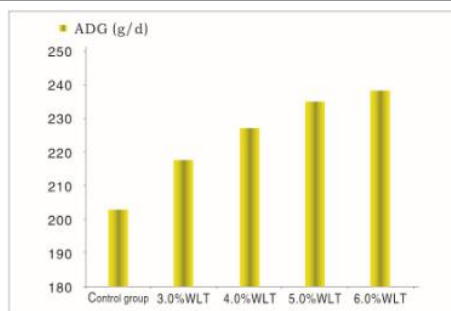
【Feeding effect】

To equivalent replace fat whey powder, sucrose, glucose and fermented soybean meal using Wuliangtai by 3%, 4%, 5%, 6%, the ADG (average daily gain) of piglet increased by 7.39%, 11.97%, 15.84% and 17.52% compared with the control group, ADFI (Average daily feed intake) are 3.17%,

5.80%, 8.55% and 10.12% higher than the control group. The FCR (feed conversion rate) decreased by 3.94%, 5.51%, 6.30% and 6.30% and the diarrhea rate are 13.62%, 35.31%, 42.35% and 43.32% lower. The amount of Ileum lactic acid bacteria increased by 11.45%, 12.63%, 17.17% and 21.72%.

Form1. The effects of Wuliangtai on production performance piglet at 21-35 days of age
(Experimental farm of Anhui Agricultural University, 2015.6)

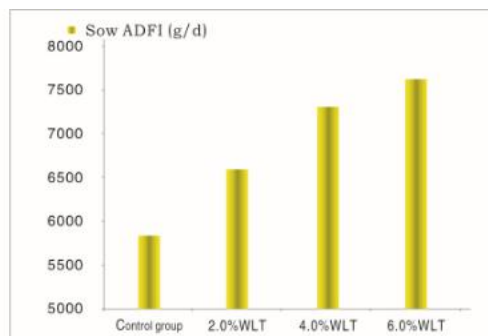
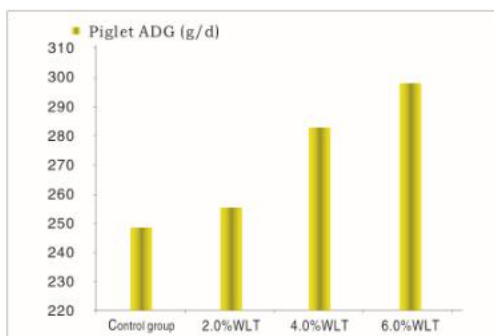
Diet composition	Control group	3.0%WLT	4.0% WLT	5.0% WLT	6.0% WLT
ADG (g/d)	202.86	217.86	227.14	235	238.40
ADFI (g/d)	257.63	265.79	272.57	279.65	283.70
FCR	1.27	1.22	1.2	1.19	1.19
Diarrhea rate/%	15.35	13.26	9.93	8.85	8.7
Ileum lactic acid bacteria	5.94	6.62	6.69	6.96	7.23



28 days after adding Wuliangtai into lactation sows diet by 2%, 4% and 6%, the ADG(average daily gain) of piglet increased by 2.76%, 13.79% and 16.32% compare with the control group. 21 days of age survival rates are 4.02%, 7.09% and 7.67% higher. The ADFI(Average daily feed intake) of lactation saw increased by 13.06%, 25.24% and 28.87%. The weaning-estrous interval of lactation saw are 4.00%, 21.33% and 18.67% shorter.

Form2. The effects of Wuliangtai on reproductive performance of milking sow
(Experimental farm of Anhui Agricultural University, 2015.8)

Diet composition	Control group	2.0% WLT	6.0% WLT
Piglet ADG (g/d)	248.57	255.42	298.14
21 days survival rates (%)	91.69	95.38	98.72
Sow ADFI (g/d)	5826.36	6587.28	7608.69
Weaning-estrous interval (d)	7.5	7.2	6.1



【Quality standard】

Form 2 The main nutritional ingredients of Wuliangtai

Item	Index	Item	Index	Item	Index
Moisture /%	≤8.0	Crude Ash /%	≤6.0	L- Lactic acid /%	≥2.0
Crude protein /%	≥18.0	Calcium /%	≤2.0	Peroxide value/mg/g	≤5.0
Small peptides and amino acid /%	≥2.0	Calcium Lactate /%	≥1.0	Probiotics cfu/g	≥0.5×10 ⁶
Crude fat /%	≥10.0	Total phosphorus /%	≤0.5	Bacillus licheniformis cfu/g	≥0.2×10 ⁶
Emulsified fat/%	≥8.0	Available phosphorus /%	≤0.20	Bacillus subtilis cfu/g	≥0.2×10 ⁶
Maltodextrin /%	≥12.0	Lysine /%	≥0.65	Bacillus coagulans cfu/g	≥0.1×10 ⁶
Fructose /%	≥25.0	Methionine /%	≥0.26	Water solubility/%	≥50.0
Glucose /%	≥20.0	Threonine /%	≥0.52	Starch/%	No Purple Color under iodine
Crude fiber /%	≤6.0	Tryptophan /%	≥0.18	-	-

【Physicochemical property】

- Smell and the taste test: smells good, taste sweet, Most of the nutrients are melt in your mouth, it has the taste of sweet potato, sweet cream and fermentation.
- Solubility test: More than 50% of the nutrients can be dissolved into water, rich in small molecular nutrition.
- Iodine color reaction: no reaction when drop iodine, no starch, all transfer into polyose, better for absorption.

【Usage method】

- Usage: Anthony pig creep feed: 60-80 kg/ton; Piglet conservation feed: 40-60 kg/ton; Milking sow feed: 30-50 kg/ton; Calf & Goat feed: 40-60 kg/ton

【Storage method】

- Keep away from light, store in a cool, ventilated and dry place
- Do not pile up over three layers to prevent caking after squeezing

【Packing specifications】 25 kg/ bag

【Quality guarantee period】 6 months



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