



Ambitine™ Feed Additive

Ambitine™ Feed Additive is a proprietary blend of key plant extracts and acidifiers specifically designed to be fed to late finishing swine, optimizing their performance in the last weeks before market.

- **Specifically designed for late finishing pigs (from 200-220lbs to market).**
- **Supports immuno-competence and gut integrity**
- **Has demonstrated enhanced performance**

The late finishing period in swine production can be a critical time for certain stressors to become apparent such as increased intake and feeder competition. The heavier weights (290-300 lb) before market can also drive heat stress and other potential challenges (exacerbated by required antibiotic withdrawal).

Nutritional programs are designed to optimize animal performance and production efficiency. Inclusion of functional ingredients, such as plant extracts, is all directed at supporting optimal gut integrity. Strategies that combine these tools are often needed to ensure success. High gut integrity results in optimized endogenous secretions which supports digestion and nutrient absorption. High gut integrity also requires less energy expenditure for maintenance; more nutrients are available for production parameters.

Ambitine™ Feed Additive (Ambitine™ FA) consists of a proprietary and carefully researched blend of key plant extracts and acidifiers. These are functional nutrients that optimize immuno-competence and gut integrity supporting optimal animal performance. Several trials have demonstrated the capability of the key Ambitine™ FA components to support performance:

A trial with 30 pens/ treatment (**5-6 pigs/pen**) evaluated the effect of key Ambitine™ FA components on performance of finishing swine fed diets without antibiotics. Dietary treatments were evaluated during Phase 5 (Corn-SBM-5% DDGS). The following is a summary of 2 trials (Oct-Nov 2012 and June-July 2013).

Treatments	Control	Ambitine™ FA components	SEM	P<	Difference
Initial BW, lb	204.3	204.2		0.93	
Final BW, lb	272.4	275.7	4.29	0.14	↑ 3.3 lb
ADG, lb	1.99 ^a	2.10 ^d	0.19	0.01	↑ 5.5 %
ADFI, lb	6.94 ^c	7.18 ^u	0.56	0.04	↑ 3.5 %
F:G	3.47 ^d	3.40 ^a	0.05	0.03	↓ 2.0 %

^{ab}Means in the same row with different superscripts differ P < 0.01 (HF726 & HF729) 2012/2013

^{cd}Means in the same row with different superscripts differ P < 0.05



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A trial was conducted in Missouri (during summer) using pigs from all gilt litters with 11 pens/ treatment and **9 or 10 pigs/pen**. Pigs were fed a Corn-SBM- 5% DDGS diet from 230lbs to market.

Results demonstrated:

Treatments	Control	Ambitine™ FA components	P value	Difference
Day 115 WT, lb	229.7	231.2		
Final WT (d 143), lb	276.1 ^a	281.7 ^b	0.1	5.6 lb (↑2%)
Day 115 – 143				
ADG, lb	1.68	1.78	0.15	↑5.9%
ADFI, lb	6.16	6.40		
F:G	3.67	3.62		↓1.4%

^{ab}Means in the same row with different superscripts differ P < 0.1

(WF001) 2014

A commercial trial using a wean-to-finish barn with 11 pens/ treatment with **18 pigs/ pen** was conducted in Iowa. Pigs were fed a Corn-Soy 10% DDGS diet from ~230lbs to market.

Results demonstrated:

Treatments	#1	#2	#3	#4	Difference		
0-25 days	Control No Med 0.65% Dig Lys	As #1 + 2lb/ton Ambitine™ FA components	4.5 g/ton Paylean® 0.95% Dig Lys	As #3 + 2lb/ton Ambitine™ FA components	1 vs 2	3 vs 4	
Initial BW, lb	230.0	228.7	232.2	229.9			
Final BW, lb	262.9 ¹	266.6 ^{1,2}	275.4 ²	275.9 ²	↑ 3.7	↑ 0.5	lb
ADG, lb	1.92 ¹	2.08 ³	2.35 ²	2.43 ²	↑ 8.3	↑ 3.4	%
ADFI, lb	6.03 ¹	6.33 ²	6.35 ²	6.43 ²	↑ 5.0	↑ 1.3	%
F:G	3.17 ¹	3.05 ¹	2.72 ²	2.65 ²	↓ 3.8	↓ 2.6	%

1 vs 2 vs 3 = P<0.01

(FT116F-10) 2010

Inclusion levels

Mix at the rate of two (2) pounds per ton of finished feed in finishing hogs (from 200-220lbs to market).

Packaging

Bags, net weight 50 pounds.

Codes: Nutra Blend A20153A0

Available from: Nutra Blend, LLC, Neosho, MO 64850 Tel: 800.657.5657

Nutra Blend West, Madera, CA 93637 / Hubbard, OR 97032 Tel: 559.661.6161 / 503.982.9545

Nutra Blend East, North Troy, Vermont 05859 Tel: 800.945.4474

PMI Nutritional Additives, 1080 County Road F West, Shoreview, MN, 55126

www.PMINutritionalAdditives.com

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