



NO. 291E

## UNIVERSITY PIG TRIAL PROVES 10 KG. OF BIOGRO SUPER® OUTPERFORMS 20 KG. OF HIGH-QUALITY FISHMEAL

A trial conducted at Southern Illinois University shows that a pig-finisher feed containing 1.00% **BIOGRO SUPER** improves rates of gain and feed efficiency, compared with pig-finisher diets containing 2.00% fishmeal. The feeding trial, supervised by Professor Robert D. Arthur, started with pigs weighing approximately 70 kg, and ended with the pigs weighing about 110 kg. The full text of Dr. Arthur's report is attached to this Technical Service Bulletin.

"The **BIOGRO SUPER** diet increased average daily gain by 3.4% and was 3% more efficient in putting weight onto the pigs," observed Professor Arthur, who has traveled extensively in Asia. He noted that the fishmeal used in the test "was of much better quality than that which is commonly fed" in China and other Asian countries. Professor Arthur concluded the "**BIOGRO SUPER**" would make an excellent substitute for fishmeal," if its cost is competitive.

Its cost is more than competitive! On the attached table ("BIOGRO SUPER PIG-FINISHER TRIAL, SOUTHERN ILLINOIS UNIVERSITY"), Professor Arthur's results are presented with their economic values. A typical Asian selling price for pigs is used, as is the typical Asian farmer's cost of **BIOGRO SUPER**. The results show:

1. Because they gained more weight, pigs fed 1.00% **BIOGRO SUPER** were sold for \$1.24 more than pigs fed 2.00% fishmeal.
2. The cost of **BIOGRO SUPER** added only \$0.61 to the cost of feeding a pig.
3. Therefore, pigs finished on **BIOGRO SUPER** made \$0.63 more profit for the farmer. This amounts to *\$628.93 more profit for every 1000 hogs.*
4. In other words, for every \$1.00 spent on **BIOGRO SUPER**, the pig farmer's sales increased by \$2.03.

This university trial proves that when 10 kg of **BIOGRO SUPER** replaces 20 kg of the highest quality fishmeal, pigs gain more weight, and do it more efficiently. **BIOGRO SUPER** is more than an economical alternative to fishmeal...**BIOGRO SUPER** actually makes more money for the pig producer!

**BIOGRO SUPER PIG-FINISHER TRIAL, SOUTHERN ILLINOIS UNIVERSITY**

<b>TREATMENT</b>	<b>ONE</b>	<b>TWO</b>	<b>THREE</b>	
FISHMEAL	2.00%	1.00%	0.00%	
BIOGRO SUPER	0.00%	0.50%	1.00%	
STARTING WEIGHT (LB)	163.40	157.96	157.24	
ENDING WEIGHT	245.77	243.84	245.46	
WEIGHT GAIN	82.37	85.88	88.22	
DAYS ON TRIAL	49.00	50.75	50.75	
AVERAGE DAILY GAIN	1.691	1.692	1.749	
TOTAL WEIGHT GAIN (49 DAYS)	82.83	82.93	85.68	
\$ VALUE OF PIG (PER 100 LB)	43.66	43.66	43.36	
<b>\$ VALUE OF WEIGHT GAINED</b>	<b>\$36.17</b>	<b>\$36.21</b>	<b>\$37.41</b>	
AVERAGE DAILY FEED INTAKE	5.52	5.53	5.63	
DAYS ON TRIAL	49.00	50.75	50.75	
FEED CONSUMED (LB)	270.48	280.65	285.72	
FEED CONSUMED (LB) (49 DAYS)	270.48	270.97	275.87	
FEED COST PER TON	\$156.81	\$157.44	\$158.18	
<b>FEED COST PER PIG (49 DAYS)</b>	<b>\$21.21</b>	<b>\$21.33</b>	<b>\$21.82</b>	
<b>PROFIT: GAIN-FEED</b>	<b>\$14.96</b>	<b>\$14.88</b>	<b>\$15.59</b>	
PROFIT INCREASE	\$0.00	-\$0.08	\$0.63	PER PIG
<b>PROFIT INCREASE</b>	<b>\$0.00</b>	<b>-\$81.82</b>	<b>\$628.93</b>	<b>PER 1000 PIGS</b>
			<b>2.03</b>	<b>BENEFIT COST</b>