

Revenue Increases by Controlling Ammonia

A series of experiments at the **University of Illinois** measured the effects of various levels of aerial ammonia on young pigs. The following detail summarizes the rate of weight gain by controlling the levels of aerial ammonia on young pigs and the resultant increased revenue potential.

Ammonia Levels Average - **100 ppm**

# Swine	100 ppm Ave. WT	100 ppm Total WT	Price Per lb.	Revenue at 100 ppm	Grow Outs	Annual Total Revenue
100	161	16,100	\$0.45	\$7,245	2	\$14,490
500	161	80,500	\$0.45	\$36,225	2	\$72,450
1,000	161	161,000	\$0.45	\$72,450	2	\$144,900
2,000	161	322,000	\$0.45	\$144,900	2	\$289,800
5,000	161	805,000	\$0.45	\$362,250	2	\$724,500
10,000	161	1,610,000	\$0.45	\$724,500	2	\$1,449,000
100,000	161	16,100,000	\$0.45	\$7,245,000	2	\$14,490,000
1,000,000	161	161,000,000	\$0.45	\$72,450,000	2	\$144,900,000

Ammonia Levels Average - **50 ppm**

Rate of Weight Gain Increased by 12%

# Swine	50 ppm Ave. WT	50 ppm Total WT	Price Per lb.	Revenue at 50 ppm	Grow Outs	Annual Total Revenue	Annual Increased Revenue
100	180	18,000	\$0.45	\$8,100	2	\$16,200	\$1,710
500	180	90,000	\$0.45	\$40,500	2	\$81,000	\$8,550
1,000	180	180,000	\$0.45	\$81,000	2	\$162,000	\$17,100
2,000	180	360,000	\$0.45	\$162,000	2	\$324,000	\$34,200
5,000	180	900,000	\$0.45	\$405,000	2	\$810,000	\$85,500
10,000	180	1,800,000	\$0.45	\$810,000	2	\$1,620,000	\$171,000
100,000	180	18,000,000	\$0.45	\$8,100,000	2	\$16,200,000	\$1,710,000
1,000,000	180	180,000,000	\$0.45	\$81,000,000	2	\$162,000,000	\$17,100,000

Ammonia Levels Average - **25 ppm**

Rate of Weight Gain Increased by 30%

# Swine	25 ppm Ave. WT	25 ppm Total WT	Price Per lb.	Revenue at 25 ppm	Grow Outs	Annual Total Revenue	Annual Increased Revenue
100	209	20,900	\$0.45	\$9,405	2	\$18,810	\$4,320
500	209	104,500	\$0.45	\$47,025	2	\$94,050	\$21,600
1,000	209	209,000	\$0.45	\$94,050	2	\$188,100	\$43,200
2,000	209	418,000	\$0.45	\$188,100	2	\$376,200	\$86,400
5,000	209	1,045,000	\$0.45	\$470,250	2	\$940,500	\$216,000
10,000	209	2,090,000	\$0.45	\$940,500	2	\$1,881,000	\$432,000
100,000	209	20,900,000	\$0.45	\$9,405,000	2	\$18,810,000	\$4,320,000
1,000,000	209	209,000,000	\$0.45	\$94,050,000	2	\$188,100,000	\$43,200,000