

Turkey Grow out Study Platte Colony
 Efficacy of Structured Water
 July 2010

Historical Flock Control

Test Flock(structured water)

Poult placed Hybrids

Farm Statistics

#Placed	19,000		19,000
Livability	85.79%		91.49%
Total Head sold	16,299		17,383
Overall condemn	1.85%		1.08%
Gross lbs sold	723,186 lb		678,285 lb
Net lb sold	709,900 lb		670,988 lb
Days to market	142 days		136.4 days
Average weight	44.37 lb		39.02 lb
Total lb feed	1,872,755 lb		1,675,356 lb
Average cost/ton	243.45		236.40
Feed cost/lb	.1217	using same cost/lb	.1217
Feed lb/bird	114.9 lb		96.49 lb
Feed cost/bird	13.98		11.74
Price/lb meat	.53		.53
Gross/bird	23.516		20.68
Net/lb meat	.2089		.2260
Net/flock	148,333.00		151,733.00
Average Daily Gain	.3124		.2860
Using same age birds	142 days		142 days @ .2860
			Weight 40.612
			Gross lbs 705,958
			Net lb sold 698,363
			Feed cost/bird 12.21
			Feed cost/lb .1217
			Net/lb meat .226
			Net/ Flock 157,830.00

This would amount to approx \$9,500 or \$.55 /bird net increase

G Jordahl

Water Physiologist

Efficacy of Structured Water & CeIVet combination as demonstrated on numerous Turkey Flocks at Big Stone Colony located in west central Mn. Comparing same net price paid/lb and feed price /lb shows a \$.70 /bird profit

Historical control flocks 1,2 &3 compared to test flocks 4 & 5 in over a one year period

Control flocks 1 2 & 3

Test flocks 4 & 5

Poults placed	39,800	20,096
Head delivered	35,849	18,317
Livability	90.07%	91.14%
DOA	127	29
Total DOA& condemn	25,077	12,615 lb
Total condemn & DOA%	1.66%	.718%
Net pay weight	1,481,413 lb	717,705 lb
Total feed	3,870,000 lb	1,743,000 lb
Average feed cost/lb	.1187	.1187
Lb feed/bird	107.95	95.15 lb
Days on feed	141 days	139 days
Average weight	41.32 lb	39.18 lb
Average feed conversion	2.61 lb	2.43 lb
Average payment/net pay lb	.4238	.4238
Average gross paid/bird	17.51	16.60
Average feed cost/bird	12.81	11.29
Net/bird	4.70	5.31

At 141 days

.2818 daily average gain
 2 x .5636 lb /bird
 feed & 2.43x 1.369 lb @ .1187/lb .1625
 Price more/bird .5636 x .4238 .2388
 .2388 minus .1625 =.0763/
 net profit @141 days is 5.40/bird

Note! Flock # 5 went off feed shortly as they developed ORT an upper respiratory infection

Cost of combo was \$.17/bird showing a 4 to 1 return on investment

G Jordahl
 Water Physiologist