

Nutrient Pollution Loads In Pennsylvania Watersheds

HARRISBURG (Dauphin Co.) — DEP has contracted the Environmental Resources Research Institute at the Penn State University to study and assess the extent of pollution from malfunctioning on-lot sewage systems, improper water well construction, non-agricultural fertilizer usage, stormwater runoff and atmospheric deposition.

The Penn State study found the following sources contribute to nutrient pollution of Pennsylvania's waters through nitrogen and phosphorus deposition:

Nitrogen- atmospheric deposition 48 percent; agriculture 39 percent; storm water eight percent; malfunctioning on-lot septic systems three percent; and non-agricultural fertilizer 0.3 percent.

Phosphorus- agriculture 68 percent; malfunctioning on-lot septic systems 13 percent; storm water 10 percent; atmospheric deposition seven percent; and non-agricultural fertilizer 0.2 percent.

The results of this study reinforce the value of DEP's nutrient management program as

well as a number of DEP's air and water program initiatives such as providing funding for watershed restoration efforts through the Governor's Growing Greener Initiative, developing new on-lot sewage systems and working with operators and communities for improved septic system maintenance and operating programs, and promoting the establishment of multi-stage oxide controls to reduce atmospheric deposition of nutrients. Other initiatives include building capacity of county conservation districts to work on local watershed improvement projects, and continuing with the successful implementation of the Pennsylvania watershed approach to environmental protection, as recommended by the Governor's 21st Century Environment Commission.

A Copy of DEP's "Assessment and Recommendations for Abatement of NPS Pollution" may be viewed on the DEP website (directLINK "Nutrient Management").

From Pennsylvania Department Of Environmental Protection

Here Are The Answers For Beef Challenge On Page A37

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Pennsylvania Beef Quality Challenge					
#1	ADG <u>3.20</u> Cost of Gain <u>\$0.33</u> Live Weight <u>1255</u> Carcass Weight <u>827</u> Dressing % <u>65.9%</u> QG SE YG <u>2.6</u> Fat <u>.5</u> REA <u>15.3</u> Net Return <u>\$91.00</u> Rank <u>4th</u>	#2	ADG <u>2.33</u> Cost of Gain <u>\$0.38</u> Live Weight <u>1205</u> Carcass Weight <u>767</u> Dressing % <u>63.7%</u> QG Ch YG <u>3.1</u> Fat <u>.5</u> REA <u>12.4</u> Net Return <u>\$134.00</u> Rank <u>3rd</u>	#3	ADG <u>3.35</u> Cost of Gain <u>\$0.31</u> Live Weight <u>1390</u> Carcass Weight <u>889</u> Dressing % <u>63.9%</u> QG <u>3rd</u> YG <u>2.0</u> Fat <u>.35</u> REA <u>16.2</u> Net Return <u>\$57.25</u> Rank <u>6th</u>
			#4	ADG <u>2.18</u> Cost of Gain <u>\$0.40</u> Live Weight <u>1360</u> Carcass Weight <u>845</u> Dressing % <u>62.1%</u> QG Ch YG <u>3.3</u> Fat <u>.55</u> REA <u>13.4</u> Net Return <u>\$74.00</u> Rank <u>5th</u>	Name <u>Official Record</u> July 20, 2000
#5	ADG <u>2.67</u> Cost of Gain <u>\$0.33</u> Live Weight <u>1360</u> Carcass Weight <u>845</u> Dressing % <u>62.1%</u> QG Ch YG <u>3.4</u> Fat <u>.7</u> REA <u>14.3</u> Net Return <u>\$181.00</u> Rank <u>2nd</u>	#6	ADG <u>2.33</u> Cost of Gain <u>\$0.45</u> Live Weight <u>1340</u> Carcass Weight <u>862</u> Dressing % <u>64.3%</u> QG Ch YG <u>4.6</u> Fat <u>.9</u> REA <u>12.4</u> Net Return <u>\$41.82</u> Rank <u>7th</u>	#7	ADG <u>3.36</u> Cost of Gain <u>\$0.31</u> Live Weight <u>1260</u> Carcass Weight <u>820</u> Dressing % <u>65.1%</u> QG Ch YG <u>3.5</u> Fat <u>.5</u> REA <u>12.3</u> Net Return <u>\$246.00</u> Rank <u>1st</u>

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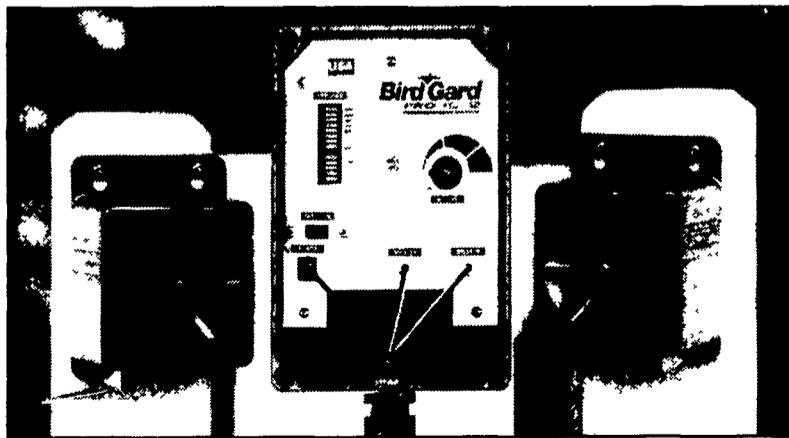
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