

Swine Odor Control A Tough Hog To Handle

(Continued from Page A35)
the reduction of liquid in the pits.

Under Iowa's testing parameters, one product, called X-Stink, kept the threshold to 200 ppm, though a lot more product was needed during testing. The worst, according to their research in terms of total threshold, was CPPD, at more than 600 ppm.

Bundy noted that the company that makes X-Stink is no longer in business.

But producers need to keep in mind that if they can't make the product economically feasible on the farm, there's no point in using it, he said. There were some differences in how the products were applied. Also, different methods of using odor control came into play in university testing.

Some promising research was conducted with the use of alkaline

by-products, including kiln dust and fly ash. On product was applied at .3 pounds of material per pound of solids in manure, which achieved an 80 percent odor reduction. "This was a very good system for outside facilities," Bundy said.

The standard ag lime worked well in raising the pH and reducing odors. Using fly ash varied the results, because not all fly ash from power plants is equally as effective.

But about 50 percent of the companies with products are no longer in existence, so finding products to reduce odors continues to be a challenge, according to the Iowa State researcher.

Within reason, producers should look for ways to deal with the challenge. But Bundy said he does "not believe it is necessary to eliminate all odors from livestock production. We don't expect that

from other industries, so why should we expect that from agriculture?"

Dan McFarland, extension ag engineer from Penn State and ventilation specialist, noted it is important to match the correct type of ventilation system for the season. He said that while a system such as tunnel ventilation is a great hot weather system, in the winter, smaller, side inlets and fans do a better, healthier job.

An important aspect to ventilation is removing the harmful gases from the pit floor. Pit ventilation can be done in a variety of ways, but it's important to remember that the diameter of the ventilation pipe

will determine flow. A 4-inch diameter pipe will deliver airflow at 100 cubic feet per minute (cfm), despite increases in fan speed. A 10-inch pipe will deliver 600 cfm and the proper fan must go with the proper pipe size.

The rule of thumb is, if it smells like a barn, it needs better ventilation, McFarland noted.

Chet Hughes, Lancaster livestock agent, reviewed the elements of Pork Quality Assurance (PQA) Level III first-time and recertification procedures.

Also at the meeting, new directors of the Pork Board were elected. They are Kurtis Good, Denver; Nelson Beam, Elverson; and Scott Bailey, Ephrata.

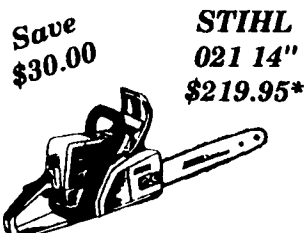


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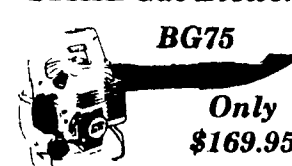


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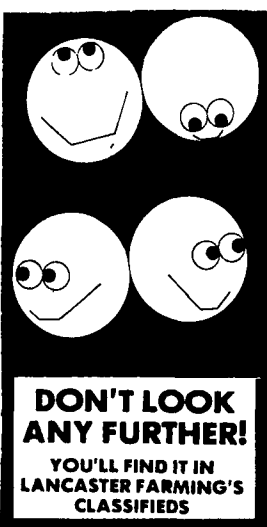
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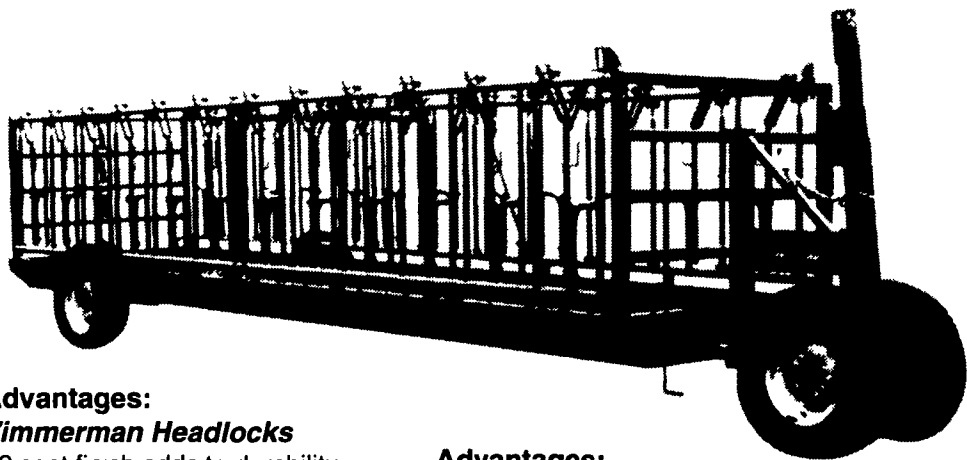


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