

## Pa. fertilizer dealers

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Particle separation is a problem which is evident throughout the dry-blend fertilizer industry. It exists at the pile where fertilizer components are mined and it's evident in the 80-pound bag the farmer takes home in his pick-up truck. The problem exists mostly due to the differences in particle size, but particle shape and density also have an effect. Many a farmer experiences the same situation with feed that is blown into a feedroom. The separation effect gets worse if the product is allowed to form a peaked pile or cone.

During the workshop sessions, those in attendance were treated to lectures on the fundamentals of quality control, screen analysis, and sampling. Also featured was a tour of a fertilizer plant and demonstrations of fertilizer mixing and sampling. All processes were conducted with Pennsylvania Agriculture Department officials looking on - or, as in the case of

sampling - performing the actual demonstrations.

Program participants saw how to take proper samples of dry blend fertilizer from either bulk units or bags. It was emphasized that the proper equipment is essential and fertilizer storage or hauling methods can have a big effect on the outcome of tests.

One of the ways the in-dustry is using to eliminate the effects of particle separation is a series of baffles inserted vertically into the bins. The arrangement of baffles could take the shape of a long, vertical "egg crate," or be in the form of large diameter pipes (12 inches or more) placed adjacent to each other and installed longways inside the bin. Some dealers are already making use of such a system.

While recognizing that much still needs to be done, Pennsylvania's fertilizer industry boasts the following record:

In 1972 the percentage of deficiencies in Pennsylvania

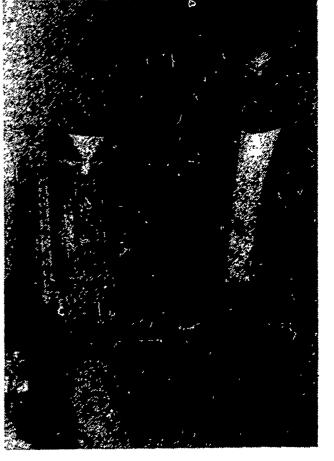
## Lancaster Farming, Saturday, December 16, 1978-37

was 21 per cent; in 1974 it executive vice president of dropped to 18 per cent; in 1975 it was 14 per cent; in 1976 it was 8 per cent and for 1977 it was a mere 3 per cent.

That record represents substantial improvement,

was 32 per cent; in 1973 it suggests Donald W. Parke, PennAg Industries Association. He also notes that the industry in Pennsylvania can take pride in these results. The only states to tie that record were

Maryland and Wyoming.



A series of baffles inside the bin can be very helpful in eliminating the problem of product separation - the root of the analysis problem experienced by some fertilizer manufacturers. Doing the demonstrating above is Homer Kimbrough from the Tennessee Valley Authority. (TVA).

## Swine management meeting set

is scheduled for Wednesday, December 20, 7:30 p.m. at the Hinkletown Alternative School. The topic of the top quality market hogs.

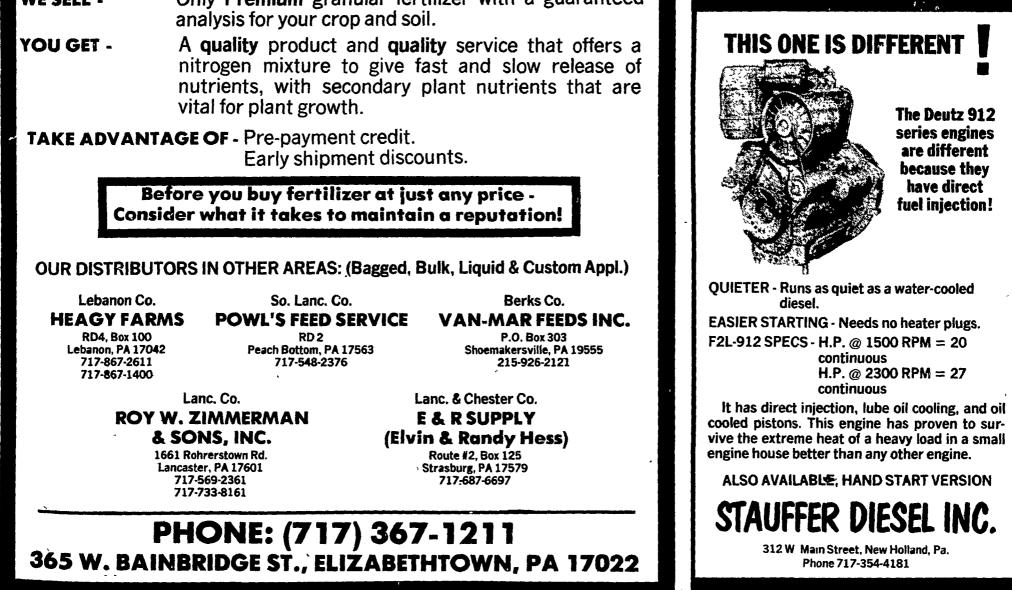
Speakers for the evening will include Doug Clements for scours, disinfectants and of Hatfield Packing and Paul Futch of Smith-Kline.

Hatfield considers a top quality market hog, Anderson at 717-354-0480.

NEW HOLLAND - A marketing trends and what swine management meeting the producer can do to produce the quality of hogs the markets are looking for.

Futch will be discussing the products that Smithmeeting is the production of Kline have available to help produce a quality hog. Products include medication growth stimulants.

All interested persons are Clements will discuss what invited to attend. For more information contact Bob



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