

Regulatory agencies accused of stalling agrichemical research

TUCSON, Ariz. — The long-range ability of American agriculture to produce food and fiber at economically acceptable costs is threatened by government regulatory trends impacting on crop chemical research, according to Dr. Warren K. Lowen, director of agrichemicals research for the Du Pont Company.

Incentives for industry to do new product research have already been affected by a regulatory pattern of registration delays and uncertainties, Lowen told a meeting of the American Phytopathological Society here on Tuesday.

He cited delays in obtaining registration from the Environmental Protection Agency (EPA) as a threat to new product research. The trend is toward longer reviews once required data have been obtained and

submitted. Lowen gave the example of two Du Pont fungicides. In 1956 one was granted a tolerance for apples in six months. The second was granted a tolerance for apples after a two-and a-half-year delay from initial application to EPA in 1970. More recently, even longer periods are not uncommon.

Of even greater concern are the current uncertainties regarding continued product registration once it has been obtained, the Du Pont researcher said. "There are many competitive uncertainties in the marketplace which affect the continued, long-range commercial future of a newly registered product. The threat of producing deregistration in its early commercial years further jeopardizes stockholders' willingness to invest money

in the original search for new agrichemical products."

In addition, the costs involved with a successful registration are significant, he continued. In the 15-year period from 1956 to 1970, costs to develop registration data on two DuPont fungicides increased nearly 370 per cent. And an additional 50 per cent increase will be involved with registration under EPA's new guidelines. "In the end, these costs must be absorbed

by the consumer so that investors can maintain a reasonable return on their initial cash outlay," he said.

Lowen said he did not recommend a return to the standards of 1956, "but I do wonder whether the consumer is really getting his money's worth when he absorbs increased costs over the 1970 standards."

Regulatory trends are boosting costs of crop chemicals for the farmer, Dr. Lowen reported. These

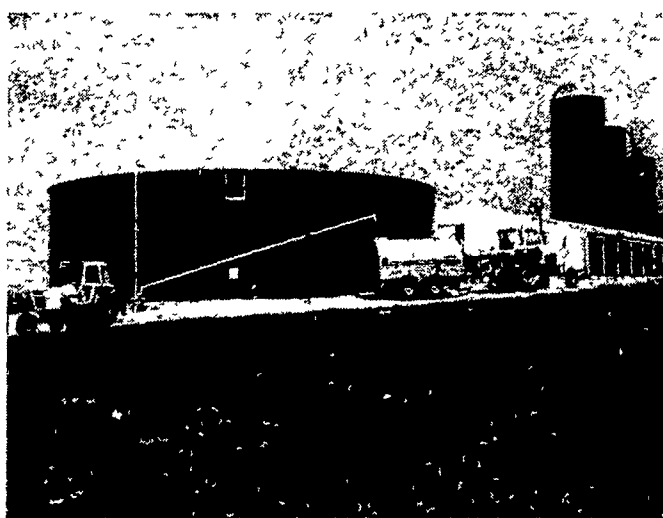
include higher costs for registration data, increased plant construction costs to meet clean air, water and other manufacturing regulations, and increased production costs involved in more stringent waste disposal regulations.

"These increased costs impact on the selling price of new products as they reach the user," Dr. Lowen said. "And they impact on the incentive for the agrichemical industry to

continue research aimed at discovery and development of new plant protectant chemicals."

Dr. Lowen said that termination of research on new agrichemicals would have a negative impact on the quality and abundance of America's food supply and on the jobs provided by the agrichemical industry. "I hope we do not cut off these new products at their source by over-zealous regulation of an already highly regulated business," he concluded.

WHAT'S NEW



SLURRYSTORE LINE
ARLINGTON HEIGHTS, Ill. - A line of Slurrystore liquid manure handling systems, including two new 81-ft. diameter models, is now available from A.O. Smith Harvestore Products, Inc., it was announced at the company's headquarters here.

The new product line includes 11 different Slurrystore models, ranging from 25 to 81 ft. in diameter and with capacities from 50,000 up to 903,856 gals.

Nine feet tall structures have been discontinued, and a new series of 23 feet high structures is now available in addition to 14 and 19 feet units. Some of the shorter models can be raised to taller sizes, if the customer selects this option, enabling livestock farmers to increase manure handling capacity along with the growth of their enterprises.

Slurrystore structures are now available in four different "families," including 25 ft., 42 ft., 62 ft., and 81 ft.

diameter units. Model numbers designate nominal diameter and height in feet.

The 25 ft. series includes the model 2514, with 52,915 gal. capacity; the 2519, holding 69,984 gals.; and the 2523, with capacity for 87,054 gals. of liquid manure.

Among the 42 ft. Slurrystore structures are the 4214, with capacity of 146,986 gals.; the 4219, holding 194,401 gals.; and the 4216 model 4223.

The 62 ft. family of Slurrystore units contains the 6214, with capacity 6214; the 6219, with capacity for 418,179 gals.; and the 620,174 gal. model 6223.

The two 82 ft. Slurrystore models are the 8119, with 726,629 gal. capacity; and the 8223 Slurrystore unit, which can hold 903,856 gals. of liquid manure.

All the new structures feature glass-fused-to-steel construction, double-bolted vertical seams, and increased structural support. The new Slurrystore models are also equipped with a standard ladder and plat-

form assembly that makes it easy to check slurry levels or observe agitation of liquid manure in the structure.

BUSH HOG'S new soil hog

Bush Hog's new Soil Hog is a coultter chisel that does two jobs in the same pass. Built to operate in heavy stubble as a primary tillage tool, its purpose is to help fight wind and water erosion by incorporation about 75 per cent of crop residue and breaking up hardpan.

The trail-type coultter chisel has a heavy-duty, welded frame and comes with a standard hydraulic cylinder. Both gang height and running depth are adjustable. The 22" diameter blades have inch spacing for pulverizing action. The 32 inch high-strength shanks are available either rigid or spring-loaded. Available in 8 feet 9 inches, 11 feet 3 inches and 13 feet 9 inches widths in weights from 4100 to 5900 pounds.

For more information, write to Bush Hog, Dept. NR, Selma, Ala. 36701.

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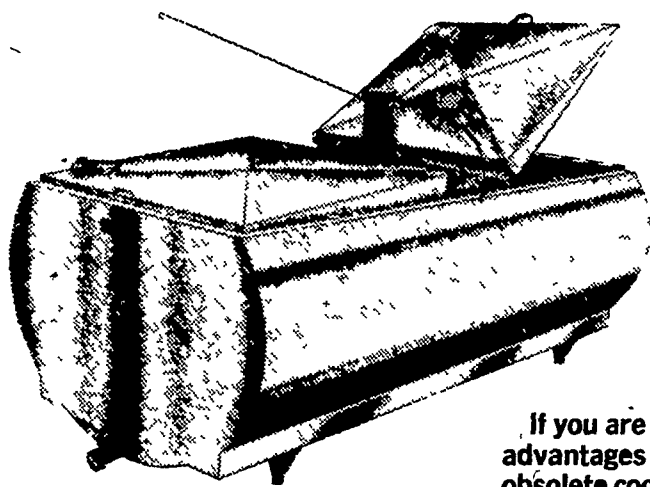
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