DEGESCH America, Inc. Newsletter

Issue I

In this issue:

Recently data from a draft study comparing the effectiveness of Phostoxin® and ECO_2FUME® has been quoted by some in the fumigation industry.

The study; **"Fumigation of Insects in Stored Wheat with Phosphine Gas from Cylinders and Aluminum Phosphide Pellets"** written by Dr.Thomas W. Phillips, et.al..; is currently under submission to the Journal of Economic Entomology and has not been published.

When reading these quotes, keep the following in mind:

- The data being used to imply better insect control is taken out of context.

The researchers conclude that both products offer equal insect control.

- The study states that 200ppm (3.6 grams) of ECO_2FUME® were compared to "the lowest recommended label rate" of Phostoxin®(6.8

grams). Application rates for Phostoxin® are recommendations, not requirements. It is perfectly legal and acceptable to use a lower application rate.

The study should have compared equivalent application rates.

- The study states that "Recirculation is important for distributing phosphine gas... regardless of the formulation used.". Given this statement, why was only the ECO_2FUME® recirculated?

The study should have compared equivalent fumigation methods.

- The study indicates that higher insect mortality rates were achieved with ECO_2FUME® after a 24 hour exposure. This fact means little when one studies the fumigant migration within the grain mass. Would the same results have been obtained from the bin treated with Phostoxin® if a recirculation system had been used?

A 24 hour fumigation is illegal with either Phostoxin® or ECO_2FUME® .

- Seven separate applications of ECO_2FUME® were made as opposed to only one Phostoxin® application.

No matter what the fumigant price, labor costs have to be more expensive for seven (7) applications than for one (1).

- The amount of CO_2 released into the bin, and later ventilated into the atmosphere when applying ECO_2FUME® is never discussed.

CO_2 is a "Green House Gas" which contributes to Global Warming.

- The study speaks of the "inevitable occurrence of leaks in the structure being fumigated." Phostoxin® applications do not pressurize the bin, ECO_2FUME® does.

ECO_2FUME® application leads to immediate gas loss .

	DEGESCH **Phostoxin Draft Label**
	

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