

DEGESCH America, Inc. Newsletter

Issue VIII

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Fumigation Management Plan (FMP)

In early January 2004, Degesch America, Inc. began shipping the first products from our Weyers Cave, VA production facility bearing the newly approved product labeling. There are some substantial changes in this new labeling, most notably in the Applicators Manuals. A new section has been included that requires the completion of a Fumigation Management Plan (FMP) prior to any fumigation. The Applicators Manual contains the following statement:

21. FUMIGATION MANAGEMENT PLAN

The certified applicator is responsible for working with the owners and/or responsible employees of the structure and/or area to be fumigated to develop a Fumigation Management Plan (FMP). The FMP is intended to ensure a safe and effective fumigation. The FMP must address characterization of the structure and/or area, and include appropriate monitoring and notification requirements, consistent with, but not limited to, the following:

1. Inspect the structure and/or area to determine its suitability for fumigation.
2. When sealing is required, consult previous records for any changes to the structure, seal leaks, and monitor any occupied adjacent buildings to ensure safety.
3. Prior to each fumigation, review any existing FMP, MSDS, Applicators Manual and other relevant safety procedures with company officials and appropriate employees.
4. Consult company officials in the development of procedures and appropriate safety measures for nearby workers that will be in and around the area during application and aeration.

5. Consult with company officials to develop an appropriate monitoring plan that will confirm that nearby workers and bystanders are not exposed to levels above the allowed limits during application, fumigation and aeration. This plan must also demonstrate that nearby residents will not be exposed to concentrations above the allowable limits.
6. Consult with company officials to develop procedures for local authorities to notify nearby residents in the event of an emergency.
7. Confirm the placement of placards to secure entrance into any structure under fumigation.
8. Confirm the required safety equipment is in place and the necessary manpower is available to complete a safe and effective fumigation.
9. Written notification must be provided to the receiver of a vehicle that is fumigated in transit.

These factors **must** be considered in putting a FMP together. It is important to note that some plans will be more comprehensive than others. All plans should reflect the experience and expertise of the applicator and circumstances at and around the structure and/or area.

In addition to the plan, the applicator must read the entire label and applicator manual and follow its directions carefully. If the applicator has any questions about the development of a FMP contact **DEGESCH AMERICA, INC.** for further assistance.

The FMP and related documentation, including monitoring records, must be maintained for a minimum of 2 years.

Eighteen months ago Degesch America, Inc. embarked on a plan to create an FMP for every fumigation we performed for our customers. What we've learned in that time is what we've all known all along. Good planning yields successful fumigations. Far from being a nuisance or just more paperwork to keep up with, an FMP actually puts everything in one place and assures you that you've taken care of all the details. How does one write an FMP for their own facility or customer. Might I suggest you take the above mentioned 9 statements and convert them into questions to be answered. The words in yellow are my own.

1. **Did I** inspect the structure and/or area to determine its suitability for fumigation?
2. When sealing was required, **did I** consult previous records for any changes to the structure, seal leaks, and monitor any occupied adjacent buildings to ensure safety?
3. Prior to each fumigation, **did I** review any existing FMP, MSDS, Applicators Manual and other relevant safety procedures with company officials and appropriate employees?
4. **Did I** consult company officials in the development of procedures and appropriate safety measures for nearby workers that will be in and around the area during application and aeration?
5. **Did I** consult with company officials to develop an appropriate monitoring plan that will confirm that nearby workers and bystanders are not exposed to levels above the allowed limits during application, fumigation and aeration? This plan must also demonstrate that nearby residents will not be exposed to concentrations above the allowable limits.

6. **Did I** consult with company officials to develop procedures for local authorities to notify nearby residents in the event of an emergency?
7. **Did I** confirm the placement of placards to secure entrance into any structure under fumigation?
8. Did I confirm the required safety equipment is in place and the necessary manpower is available to complete a safe and effective fumigation?
9. **Was** written notification (must be) provided to the receiver of a vehicle that is fumigated in transit?

If you can answer those nine questions and document the answers, then you've got an FMP. Section 21 of the Applicators Manual offers "Guidance for Preparation of a Fumigation Management Plan". This section will present a wide range of activities and options that could be part of an effective FMP. If you have questions don't hesitate to ask. We'll be glad to provide whatever insight we might have, but please keep in mind that every State rule, regulation or interpretation is not the same. The final authority on how our products are used lies in the hands of State regulators enforcing the laws of their particular State.



Degesch CAU brochure	Degesch Phosphine Generator brochure
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Carbon Dioxide and Phosphine Combinations

Dr. Dennis Keever recently completed a review of the scientific data available regarding the use of CO₂ and PH₃ in combination. This paper is entitled; "Addition of Carbon Dioxide at Low Concentrations to Phosphine: Does It Enhance Phosphine As a Fumigant of Stored-Product Insects?". Dr. Keever lists his objective as follows:

"The primary objective of this review was to assess whether the addition of CO₂ increases the toxicity of PH₃ against the more important insect pests in stored products. This objective was considered primary because it addresses the most important reason for fumigating stored products: to eliminate insects. Results relating to eggs, pupa and diapause larvae are most significant because they are more difficult to kill than adults and non-diapause larvae. Unless noted otherwise, references to larvae mean non-diapause larvae. Also, unless noted otherwise, all insects discussed are supposedly not PH₃-resistant."

If you would like to see Dr. Keevers complete review, it can be found here:

"Addition of Carbon Dioxide at Low Concentrations to Phosphine: Does It Enhance Phosphine As a Fumigant of Stored-Product Insects?"

I've also included a copy of Dr. Keever's credentials.

Dr. Dennis Keever

ProFume®

Dow AgroSciences product stewardship for Profume® requires that the product may only be applied by companies whose employees have undergone several rigorous, hands-on training sessions. Conducted over several days, these training fumigations offer "real world" experience in the use of ProFume® and assure Dow AgroSciences that their product will be used in a responsible and effective way. Degesch America, Inc. has the experience and expertise demanded by Dow AgroSciences to apply ProFume®

For more information about ProFume® at your facility,
please contact a Degesch America, Inc. representative.

ProFume® Website

ProFume® Brouchure (1 Mb)

In the 7 weeks since submitting ProFume® to the individual States for approval, Dow AgroSciences has so far been granted 35 registrations. To see the status of Profume® in your State, check the list below.

States	Submitted	Approved	Comments
Alabama	2/17/2004		
Alaska			Not Registering
Arizona	2/17/2004	2/24/2004	
Arkansas	2/17/2004		
Colorado	2/17/2004	3/29/2004	
Connecticut	2/17/2004	3/19/2004	
Delaware	2/17/2004	2/23/2004	
Dist of Columbia	2/17/2004		
Georgia	2/17/2004	3/5/2004	
Hawaii	2/18/2004		
Idaho	2/17/2004	3/12/2004	
Illinois	2/17/2004	2/24/2003	
Indiana	2/17/2004	3/12/2004	
Iowa	2/17/2004		
Kansas	2/16/2004	3/19/2004	ON NPIRS Website as registered
Kentucky	2/17/2004	3/3/2004	
Louisiana	2/18/2004	3/19/2004	via e-mail 3-19-04
Maine	2/17/2004	3/11/2004	
Maryland	2/19/2004		
Massachusetts	2/17/2004		
Michigan	2/17/2004	3/9/2004	
Minnesota	2/17/2004	2/27/2004	
Mississippi	2/17/2004	2/20/2004	
Missouri	2/17/2004	2/20/2004	
Montana	2/17/2004	3/29/2004	
Nebraska	2/17/2004	2/27/2004	
Nevada	2/17/2004		
New Hampshire	2/19/2004	3/18/2004	
New Jersey	2/17/2004	3/8/2004	
New Mexico	2/17/2004	4/5/2004	
North Carolina	2/17/2004		

North Dakota	2/17/2004		
Ohio	2/16/2004	2/20/2004	
Oklahoma	2/17/2004	3/1/2004	
Oregon	2/17/2004	3/8/2004	
Pennsylvania	2/17/2004	3/26/2004	Approved on NPIRS website
Rhode Island	2/17/2004		
South Carolina	2/17/2004	2/23/2004	
South Dakota	2/17/2004	3/23/2004	
Tennessee	2/17/2004	2/17/2004	
Texas	2/19/2004	2/23/2004	
Utah	2/17/2004	2/25/2004	
Vermont	2/17/2004	3/23/2004	
Virginia	2/17/2004	3/3/2004	
Washington	2/17/2004		
West Virginia	2/17/2004	2/26/2004	
Wisconsin	2/17/2004	2/20/2004	
Wyoming	2/17/2004	2/23/2004	

Conventions and Conferences

It's Still Not Too Late to Register
& Attend

Degesch America, Inc. Recertification School

The Degesch America, Inc. Recertification School will be held in Charlottesville, VA on April 29, 2004. Located in the Shenandoah Valley, Charlottesville offers something for everyone. History buffs will have to visit Thomas Jefferson's home; Monticello. Sight seers will head for Skyline Drive or The Blue Ridge Parkway for the best scenery in the eastern United States. Outdoor types can hike sections of the Appalachian Trail or try one of the many golf courses nearby. If all that isn't enough to bring you out, how about the latest in specialized training designed specifically for fumigators. In excess of 100 attendees will hear a wide variety of speakers address the latest fumigation related topics. The new Phostoxin and

Magtoxin labeling, Commodity Fumigation, Respiratory Protection and Gas Detection, Ship Fumigation, Integrated Pest Management (IPM), Methyl Bromide and Profume[®] Updates and Structural Fumigation are all on this years program. Held annually, the Degesch America, Inc. Recertification School offers credit hours necessary to maintain licenses and certifications that are recognized by more than 25 States. For more information about this informative conference, follow the links below.



A few Pictures of the Shenandoah Valley

Grain Elevator and Processing Society

EXCHANGE 2004



**MINNEAPOLIS, MN
FEBRUARY 21-24, 2004**

February 21-24, 2004 saw approximately 2,000 attendees gather in Minneapolis, MN for the 75th annual GEAPS Exchange. Degesch America, Inc. was there, exhibiting our complete line of insect control products and services.



Scenes from the Trade Show Floor



Michael Burts mans the booth

Association of Operative Millers

International Association of Operative Millers 108th Annual Conference and Trade Show

May 15-19, 2004 in Wichita, Kansas
at Century II Convention Center
The Hyatt Regency Hotel
The Broadview Radisson Hotel

Pre-registration begins January 26, 2004

Join hundreds of milling professionals from across North America and around the world when they convene in Wichita in 2004 for IAOM Annual Conference and Expo to be held at the Wichita Hyatt Regency and Century II Convention Center on May 15-19, 2004.

Grain milling and seed processing professionals consistently find that the IAOM conference experience affords them an opportunity to enhance and advance their careers through comprehensive education programs, to connect with their industry peers at exciting networking events, and to develop relationships with vendors who offer the products and services they need to efficiently do their job.

The IAOM Annual Conference and Tradeshow is the premier educational event for grain milling and seed processing professionals. The annual event gathers milling and allied trade professionals from around the world for three days of education, networking and fellowship. Technical programs presented at the conference assist millers in improving yields, productivity, customer satisfaction and safety. The programs are presented by seasoned professionals in the field who have experienced the issues affecting millers first-hand.

In addition, the annual conference also includes the world's largest tradeshow for milling professionals, typically featuring nearly one hundred companies displaying milling and processing equipment and related services.

Degesch America, Inc. will be exhibiting at the IAOM Tradeshow. Stop by Booth 512 and say hello to Michael Burts, Herb Yeaman or Jim Smiley.

Source: AOM Web site

CAF2004

Our friends 'Down Under' send along an invitation to join them this summer for the 2004 edition of the International Conference on Controlled Atmosphere and Fumigation in Stored Products. The Conference meets every four years to discuss relevant topics in the fumigation and controlled atmosphere arena. This years Conference, the 7th, has as its theme: *Sustainable Fumigation and Controlled Atmosphere Alternatives.*

CAF2004 the International Conference on Controlled Atmosphere and Fumigation in Stored Products

8-13 August 2004
Gold Coast, Australia

Check out the Conference at <http://www.ccm.com.au/caf2004/objectives/>

**If you have an event that you would like to see featured or a topic to suggest,
send the particulars to jsmiley@degeschamerica.com**