

Three Important Facts About **ProFume[®]** Gas Fumigant

1 Delivers proven pest management

ProFume[®] gas fumigant has proven effective against all life stages of a broad spectrum of stored product pests. In addition, ProFume is highly effective against rodents at low dosages. ProFume is labeled to manage pests in many commodities and in all types of structures used to store, process and transport raw and processed commodities. Since 2004, its effectiveness has been demonstrated in numerous university studies and hundreds of commercial facilities, including warehouses; mills; grain elevators; food production facilities, such as pet food and pasta plants; stationary transportation vehicles; chambers; fumigated stacks; and more.

2 Sets a higher fumigation standard

ProFume follows proven industry fumigation practices but with added benefits. ProFume is non-corrosive and therefore does not pose a threat to sensitive electronic equipment and computers within the facility. Additionally, ProFume gas fumigant does not affect commodity flavor, quality, color or processing characteristics. Compared with phosphine, faster fumigations are possible with ProFume and insect pests are not resistant to ProFume. Compared with methyl bromide, ProFume penetrates and aerates more rapidly and has lower sorption while keeping total fumigation costs similar. ProFume is now registered in 18 nations, with more pending, and it has a Codex listing for international trade.

3 Recognized as a sustainable solution

The active ingredient in ProFume[®] gas fumigant, sulfuryl fluoride, has been used successfully for eliminating structure-infesting pests for 50 years under the trade name Vikane[®] gas fumigant. When methyl bromide was scheduled for phaseout under the Montreal Protocol, several progressive food industries in the United States and other countries approached Dow AgroSciences to consider developing sulfuryl fluoride for food commodity use.

As a result, Dow AgroSciences, in partnership with leading stored product researchers, fumigators and food industries around the world, developed ProFume as a successful postharvest fumigant. Sulfuryl fluoride is not considered an ozone-depleting substance. Dow AgroSciences has received ozone protection awards from the U.S. Environmental Protection Agency and the United Nations for the development of ProFume.



Three Important Facts About Precision Fumigation™ Tools and Techniques

1 Custom fumigation plans

ProFume® gas fumigant provides unprecedented options in fumigation planning thanks to exclusive Precision Fumigation™ tools and techniques. At the heart of Precision Fumigation is proprietary Fumiguide® software. Precision Fumigation optimizes fumigation plans by calculating “what if” scenarios based on target pests, exposure time, temperature and half-loss time. Each factor can be manipulated to ensure control while, for example, shortening facility downtime or reducing overall fumigation costs. Precision Fumigation removes the guesswork from the fumigation process, ensuring a successful treatment. It also is environmentally responsible by calculating the precise amount of fumigant required.

2 Enhanced quality assurance

Quality assurance programs can benefit from Precision Fumigation during and after the fumigation. While the fumigation is under way, the Fumiguide software allows real-time monitoring to ensure the results needed throughout the fumigated space.

If more fumigant is needed, due to unexpected weather or facility conditions, it can be added to ensure the expected results. But if less fumigant is needed, the fumigation can be concluded earlier than planned. After the fumigation, the Fumiguide software can be used to print customizable reports and graphs to document quality control or to meet export requirements.

3 Fits continuous improvement initiatives

The Fumiguide software can be used to build a database to help in facility continuous improvement efforts. Fumigation monitoring possible with Precision Fumigation™ tools and techniques help identify areas within the facility where structural sealing improvements may be needed. If improvements are made, a tighter facility will require less gas fumigant or shorter exposure times on subsequent fumigations.

PRECISION
FUMIGATION™

“ProFume is an excellent fumigant that works well in our business where product must be insect free prior to export. We like the fact that ProFume is applied outside a bin or structure to enhance worker safety, while state-of-the-art monitoring equipment allows us to monitor our fumigated area safely outside the structure and records readings of fumigant throughout the exposure to ensure a successful fumigation.”

Michael W. Bary
Ramsey Popcorn Co., Inc.
Ramsey, Ind.





Dow AgroSciences is committed to making health, safety and environmental protection an integral part of the design, production, marketing, distribution and use of its products.

The company recently announced plans for a multi-year expansion of its global headquarters in Indianapolis (left) with investment of more than \$340 million and the addition of more than 550 scientific and commercial jobs over the next five years.

Three Important Facts About **Dow AgroSciences**

1 World-class product stewardship standards

The world-class stewardship standards of Dow AgroSciences reinforce and often exceed regulatory requirements through ongoing company investment in research, label advancements, development of specialized equipment and software, and fumigator training.

Professional fumigators who use ProFume must hold the necessary state and federal licensing and must meet Dow AgroSciences stewardship standards, which include mandatory introductory and recurrent annual training as well as adherence to the stewardship policy for ProFume[®] gas fumigant.

2 Industry-leading field support

An industry-leading team of field-based experts, working closely with experienced distributors to support fumigators and their customers. Hands-on support is important for initial training, ongoing stewardship compliance, technical assistance on jobs and general market support.

In addition to dedicated field personnel, company specialists provide expertise in manufacturing, regulatory and government affairs, technical support and research. Dow AgroSciences actively invests to ensure its labels, equipment and stewardship standards continue to meet or exceed state and federal standards, as well as changing market needs.

3 A global leader in fumigation

Dow AgroSciences has been recognized as a global leader in fumigation solutions for the food, postharvest, preplant, turf and structural pest markets for 50 years. As a basic manufacturer, Dow AgroSciences manufactures ProFume in its new state-of-the-art manufacturing facility in Pittsburg, Calif.

The company is fully vested in the postharvest fumigation market through its ongoing work with a network of distributors, fumigation service companies, state and federal regulatory officials, trade associations, end-use customers and more. Dow AgroSciences is a wholly-owned subsidiary of The Dow Chemical Company, Midland, Mich.

Three ways to learn more about how ProFume® gas fumigant can help establish and maintain your company's pest management requirements:

1

Visit
www.ProFume.com

2

Contact your
professional
fumigation service

3

Contact your
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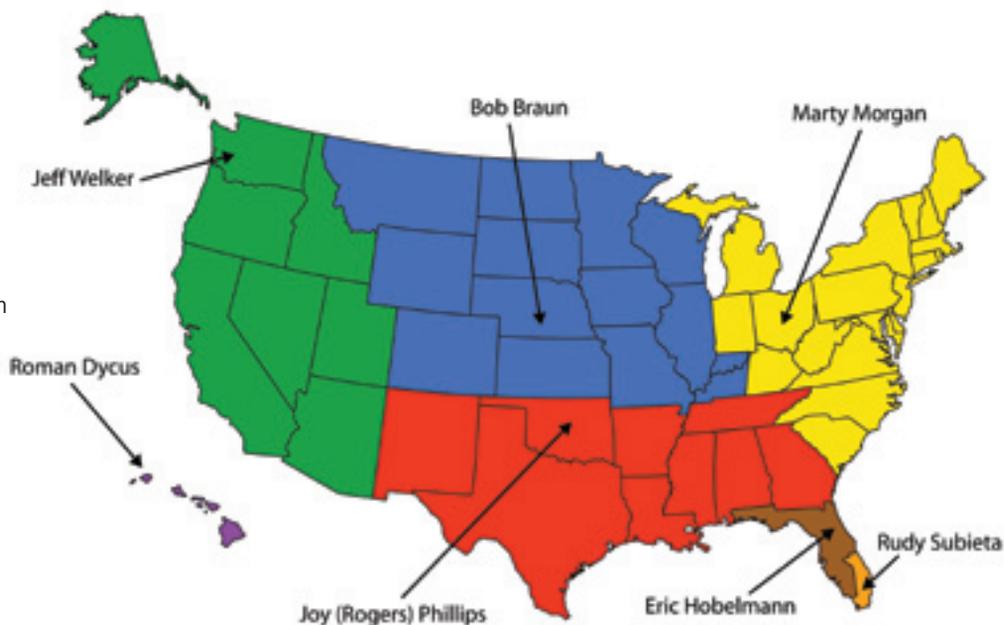
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 Dow AgroSciences

ProFume®

Gas Fumigant

®™Trademark of Dow AgroSciences LLC
ProFume and Vikane are federally Restricted Use Pesticides.
Always read and follow label directions.
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