

# Three Important Facts...

## ...about ProFume® gas fumigant.

### *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 thousands of fumigations at commercial facilities, including warehouses; mills; grain elevators; food production facilities, such as pet food and pasta plants; stationary transportation vehicles; shipping containers, chambers; fumigated stacks; and more.

### *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. ProFume gas fumigant does not affect commodity flavor, quality, color or processing characteristics. ProFume penetrates and aerates rapidly and has low sorption into commodities. Compared with phosphine, faster fumigations are possible with ProFume and insect pests are not resistant to ProFume. ProFume is now registered in 18 nations, and it has a Codex listing for international trade.

### *Recognized as a sustainable solution*

The active ingredient in ProFume, sulfuryl fluoride, has been used successfully for eliminating structure-infesting pests for more than 50 years under the trade name Vikane® gas fumigant.

Douglas Products, in partnership with leading stored product researchers, fumigators and food industries around the world, utilizes ProFume as a successful postharvest fumigant. Sulfuryl fluoride is not considered an ozone-depleting substance.

*“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.

## ...about Precision Fumigation™.

### *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.

### *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

### *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.

## ...about Douglas Products.

### *World-class product stewardship standards*

The world-class stewardship standards of Douglas Products 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 Douglas Products stewardship standards, which include mandatory introductory and recurrent annual training as well as adherence to the stewardship policy for ProFume® gas fumigant.

### *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. Douglas Products 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.

### *A global leader in fumigation*

Douglas Products has been recognized as a leader in fumigation solutions for the food, postharvest, preplant, turf and structural pest markets for more than 50 years. As a basic manufacturer, Douglas Products 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.

**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](http://www.ProFume.com)
2. Contact your professional fumigation service provider
3. Contact your Douglas Products account representative.



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ProFume and Vikane are federally Restricted Use Pesticides. Always read and follow label directions.  
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