

ProFume®

SEED FUMIGATION SUCCESS.

GAS FUMIGANT

**Promising results from seed research**

From 2004-2006, several major U.S. seed companies researched the use of ProFume® gas fumigant on seeds for stored product pest control with remarkably promising results. ProFume — a broad spectrum postharvest fumigant manufactured by Douglas Products — provides fast, effective stored product pest control without corrosion, resistance or disposal issues.

Factors for success

Applicators and seed companies rely on ProFume because it is:

- **Fast.** ProFume penetrates quickly and aerates rapidly, and a chamber fumigation can be performed in 12 hours or less.
- **Flexible.** ProFume offers a flexible fumigation period, so you can choose timing that suits your business needs.
- **Efficacious.** ProFume is effective on all life stages of major stored product pests and rodents,

and ProFume may be used to alleviate pesticide resistance issues.

- **Proven.** Testing of various seed varieties at maximum label rates, including corn, cotton, grass, wheat, soybean and rice, demonstrated insignificant impact on seed germination in a broad range of studies.

Furthermore, no significant interaction between the fumigant and tested seed treatments have been observed.

Additional factors for success

- **Nonreactive.** ProFume is noncorrosive and nonflammable so it will not damage equipment, electronics and/or buildings when used properly. It does not produce odors, and there are no disposal issues after its use.
- **Innovative.** ProFume is administered using Precision Fumigation™ tools and techniques — powerful decision-making tools that offer unprecedented customization and flexibility. In

ProFume® Seed Fumigation Success

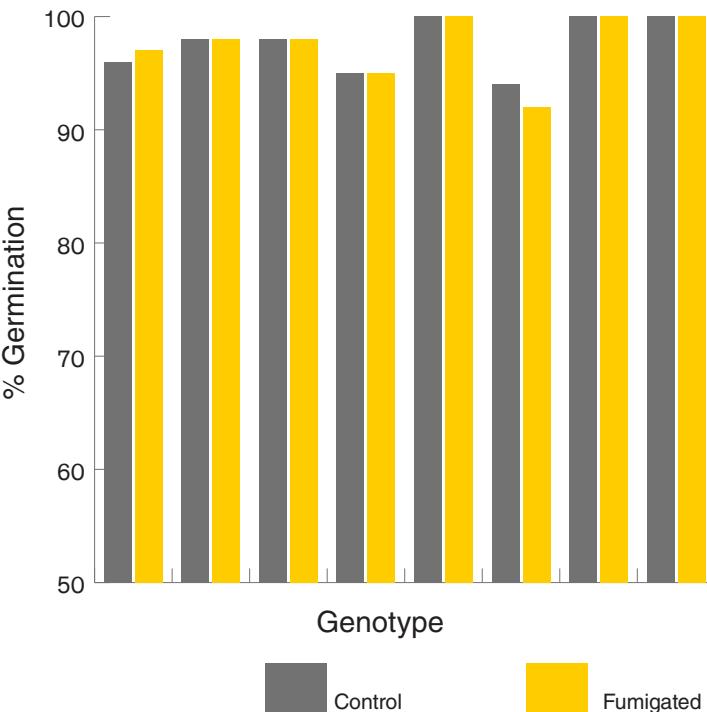
In addition, the Fumiguide™ software takes into account variables within a facility to calculate the optimal dosage of fumigant and allows for automated fumigation scenarios, reports and management plans.

- **Sustainable.** Manufactured by Douglas Products, sulfuryl fluoride has been used as a fumigant for more than 50 years and does not deplete the ozone layer.
- **Available.** ProFume® gas fumigant is registered in all 50 states and Puerto Rico. ProFume may be used to fumigate sites containing seeds of labeled commodities such as cotton, corn, wheat, soybeans and more. In addition, sites containing additional seed varieties may be fumigated so long as the fumigated seeds will not be part of the food chain for human consumption.¹

Since 2006, ProFume has become an industry standard for fumigation of seed in fumigation chambers and warehouses. Major fumigation companies are trained to use ProFume and have extensive experience and expertise with this fumigant, which has been registered for use in the U.S. since 2004.

A number of seed hybrids/varieties have been fumigated at the maximum labeled rate with no observable effects on seed germination or vigor. However, applicators should exercise caution before treating large amounts of seed, as not all seed hybrid/varieties have been tested, nor have the potential effects of ProFume on germination been tested under all conditions. As such, Douglas Products recommends testing a small amount of seed hybrids/varieties for potential sensitivity to ProFume prior to large-scale fumigation.

Lack of Impact on Fumigated Corn Seed Germination



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¹For example, grass seed that will be grown for forage for grazing dairy or beef cattle cannot be fumigated at this time. However, grass that will be planted for athletic turf may be fumigated.

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ProFume is a federally Restricted Use Pesticide. Always read and follow label directions.
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