GLOBAL STATUS AND ADOPTION OF PROFUME® GAS FUMIGANT

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ProFume® gas fumigant (99.8% Sulfuryl fluoride) is a broad spectrum fumigant manufactured by Dow AgroSciences LLC for the control of insects, rodent and other invertebrate pests. This fumigant was developed in response to post-harvest industry requests as an alternative to methyl bromide. ProFume is registered in the US for use in non-residential structures, food handling establishments (e.g. pet food facilities, bakeries, food production facilities, mills, warehouses, etc.), stationary transportation vehicles (railcars, shipping containers, trucks, etc.), temporary and permanent fumigation chambers, and storage structures. ProFume is odorless, colorless inorganic gas, and as such, does not form unpleasant odors. In addition, due to its favorable vapor pressure characteristics, ProFume penetrates commodities better and reaches target pests faster for optimum control. ProFume does not deplete the ozone layer.

In addition to registration in the United States, ProFume is registered in several other countries. Within the European Union, ProFume registration has been granted in Switzerland, Italy, United Kingdom, Ireland, Germany, Belgium, Spain and France. Registrations have also been granted in Canada and Trinidad and Tobago. Registrations in Australia, Mexico, and Thailand are anticipated soon. Registration activities in many countries in Asia, Latin America, South Africa and the Middle East are underway.

Commercial launch including the European countries, the United States and Canada have been highly successful. Over 500 commercial fumigations have been completed with high level of customer satisfaction. In the US, 64% of the locations have been fumigated multiple times, some up to 7 consecutive ProFume fumigations. Average fumigations were 4.7 per month in 2004, 5.4 per month in 2005, 7.1 per month in 2006 and 13.7 per month in 2007 (as of July). ProFume commercial fumigations conducted in different geographies, different times of the year, variable temperature conditions, variable half loss times (different facilities) and resulting insect control ratings by the miller and their comments on how ProFume performed clearly demonstrates the technical and economical viability. Many of the environmentally conscious wheat mills, rice mills and food processing facilities that are willing to change have already successfully transitioned to ProFume while maintaining cost and quality. Commercial launch success and continued adoption in many countries prove that ProFume is technically and economically viable alternative to Methyl Bromide.