

SERAFUME*

NET CONTENTS
30 GALLONS

INSECTICIDE FOR FARM STORAGE AREAS AND COUNTRY ELEVATORS



ACTIVE INGREDIENTS:

Carbon Tetrachloride	76.5%
Carbon Bisulfide	10.0%
Ethylene Dichloride	10.0%
Ethylene Dibromide	3.5%
	<hr/> 100.0%

*Trademark, The Dow Chemical Company.



POISON



DANGER: KEEP OUT OF REACH OF CHILDREN.

See antidote statement and other precautions on rear panel.

DANGER: HAZARDOUS VAPOR AND LIQUID. MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES SKIN IRRITATION AND BLISTERS ON PROLONGED CONTACT. MAY CAUSE EYE IRRITATION.

Use only with adequate ventilation. Do not breathe vapor. Do not take internally. Do not get in eyes, on skin or on clothing. When necessary, use gas mask suitable for organic vapors. In case of skin contact, wash with soap and water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention. Remove and wash clothing before re-use. Do not wear shoes until free of all chemical odor. Do not re-enter treated areas without an airline respirator or a full face gas mask with a canister for protection against organic vapors. To prevent decomposition, avoid contact with flame or hot surface. Thermal decomposition may form highly poisonous phosgene gas.

If illness results from inhalation, remove to fresh air and call a physician immediately. If swallowed, call a physician immediately. Induce vomiting by giving an emetic such as 2 tablespoonsful of salt in a glass of warm water.

Do not use fumigated material or feed it to livestock until aeration has eliminated the odor of the fumigant.

STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL LOCATION, AWAY FROM DWELLINGS. KEEP FUMIGANT PROPERLY LABELED.

GENERAL INFORMATION AND SAFETY PRECAUTIONS

The successful use of liquid grain fumigants depends upon several factors: 1) All grain storages should be tightly built. Before applying the fumigant, seal the structure as gas-tight as possible, especially below the surface of the grain. 2) Have the grain surface level and no higher than six inches below the top of the bin sides. 3) Transfer of AGWAY SERAFUME from one container to another should be made outdoors. Avoid repeated contact with the skin. Avoid breathing the fumes and do not remain in an area where the odor may be detected. 4) Apply the fumigant in a safe manner, from outside the building if at all possible. During actual application,

always have someone on hand to help in case of accident. Have him stand outside where he can see the man working inside. If it is necessary to enter a large bin for application or to enter an area already under fumigation, wear a suitable gas mask, such as a full-face mask for organic vapors with a FRESH black canister which should be replaced after 1 1/2 hour exposure. 5) Apply fumigant uniformly with a hand or power sprayer, replacing the nozzle with a tube or pipe flattened at the end to deliver a broad, coarse stream. 6) After treatment, do not disturb the grain for at least three days, and preferably for a week (except as recommended below). 7) Do not fumigate oftener or at higher dosages than recommended below. 8) Best results are obtained during cool, calm periods of the day, since high air temperatures and strong winds increase vaporization and loss of the fumigant.

In fumigating, the temperature of the grain itself is important, rather than the temperature of the air outside the grain mass. It is not advisable to fumigate grains when the average grain temperature is below 60° F. Several methods are available for determining grain temperature. Consult your dealer or other authorities for suggestions.

NOTE: An effort to maintain clean bins will help to keep down infestations of stored grain insects 10-14 days before filling bins, sweep them clean and spray the side walls and floor with Agway Malathion Grain Spray according to label directions. Treat the outside of the bin just before fumigating. Do not treat inside walls or floors of empty grain bins.

DIRECTIONS

READ THESE ENTIRE DIRECTIONS AND WARRANTY OF SALE. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS, WARNINGS AND DIRECTIONS.

FARM STORAGE: Fumigate farm-stored grain with AGWAY SERAFUME within six weeks after putting it into storage. If the grain is held into a second season, re-treatment may be required after the onset of warm weather following winter storage. For a single bin fumigation, if there is standing headroom in the bin, the fumigant may be applied by peering it over the grain surface directly from the can, but if this requires more than 5 minutes, or if more than one bin is treated on the same day, wear a gas mask. Avoid prolonged or repeated exposure to fumigant vapors.

COUNTRY ELEVATOR STORAGE: Fumigate grain with AGWAY SERAFUME when it is being put into the bin or being turned. The fumigant may be pumped or poured over the grain between drafts, which should not exceed 15 foot depths in the bin. Give double dosages to top and bottom drafts. Under conditions of long storage or intense insect attack, retreatments may be necessary. Need for it may be determined by observation of live insects or by overheating of grain because of insect activity.

BULK CERTIFIED OR HYBRID SEED GRAIN: Bulk seed grain may be fumigated by strict adherence to dosage recommendations, and by observing the following precautions to avoid damage and loss

of seed viability: 1) The moisture content of the seed must be less than 12% and preferably less than 10%. 2) The seed temperature during exposure period should be between 65° F. and 85° F. 3) The fumigant exposure period should not be more than 24 hours, and provision must be made to remove the fumigant by aeration immediately after the 24 hour exposure. This may be accomplished in tight structures by the use of aeration fans, and in loosely constructed storages by breaking all seals applied when preparing for fumigation. Do not fumigate low viability seed, as germination may be further reduced. See Safety Precautions.

NOTE: Do not use containers or handling equipment of aluminum, magnesium, or their alloys, as under certain conditions AGWAY SERAFUME may be severely corrosive to such metals.

RECOMMENDED DOSAGES

Grain Temp 60° F. or Higher	Types of Storage	Gals. per 1,000 Bushels*		
		Wheat, Rye, Barley	Corn, Oats	Grain Sorghums
Farm Storage	Wooden Bins	4	6	8
	Steel Bins	3	5	7
Country Elevator Storage	Wooden Cribbed Bins	3	6	8
	Steel & Concrete Bins	2	4	6
Box Cars (at Country Elevators)	Average Cond. & Load	Gals. per Box Car		
		5	8	12

*For lots of 500-1,000 bushels use the same dosage as recommended for 1,000 bushels. With smaller lots wet the entire surface with fumigant.

WARRANTY: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

NOTE: This pesticide is to be sold ONLY in this original unbroken package.

MANUFACTURED FOR AGWAY INC.
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COMMENTS