

**WHAT TO TREAT:** Other than the larvae and encysted eggs of the sugar beet nematode, golden nematode, and related species, use Dowfume W-85 to control nematodes, wireworms, garden centipedes (symphillids) and certain other soil-borne pests in land to be planted to:

Tobacco  
Broccoli  
Lima Beans  
Carrots  
Cauliflower  
Cotton  
Pineapple

Tomatoes  
Cucumbers  
Eggplant  
Floral Crops  
Lettuce  
Melons  
Potatoes  
(white & sweet potato)

Nursery Crops  
Strawberries  
Okra  
Gladiolus  
Parsnips  
Peppers  
Summer Squash

Dowfume W-85 is normally applied overall, but row applications may be used on tobacco, cotton, cucumbers and certain crops for which this method of treatment is suitable. An annual treatment provides the best results.

**WHEN TO TREAT:** Either spring or fall treatments, depending upon soil and weather conditions, can be made. Early fall or late summer applications in the northern states is generally best, especially for muck soils to be planted to early spring crops.

**SOIL PREPARATION:** To assure best results with Dowfume W-85, plow under all surface trash early to initiate decomposition. Disc or otherwise break down all lumps. Soil should be loosened as deeply as possible, preferably 12 to 18 inches, and should be worked to a fine loose condition.

**APPLICATION CONDITIONS:** Dowfume W-85 should be injected at least 8 inches below the soil surface using either chisel or plow-sole method for overall application. Row applications can be made with one chisel per row or with 2 chisels spaced about 12 inches apart. In row applications, mark the treated areas so that later planting will be in the center of the treated area.

The soil at application time should be moist and friable without being either too wet or too dry and preferably in the temperature range of 50° to 90° F.

Do not use the row method for control of wireworms.

**SURFACE SEAL:** Immediately after application, compact the soil. When the plow method is used, disc and then insure the seal by rolling or cultipacking. With chisel application, a roller, cultipacker or float can follow the chisel bar or these can be pulled by another closely following tractor. Sealing of row applications may be accomplished by listing by the tractor wheel or by bedding. Be sure that the fumigant is from 12 to 14 inches below the surface. On listed rows seal the fumigant in with press sealers or ring rollers.

**EXPOSURE PERIOD:** Leave soil undisturbed for 7 to 21 days after application. Since wet soils retard diffusion of the fumigant, increase the exposure period if there is a heavy rain or rains following application.

**BEFORE PLANTING:** Following the exposure period, aerate the soil by deep cultivation or plowing. This procedure is especially applicable in muck soils in northern areas. If during the exposure period there are heavy rains followed by low temperatures, work the soil several times. Deep rooted trees and shrubs may take 3 to 6 months for aeration whereas shallow rooted crops may be planted one (1) week after aeration.

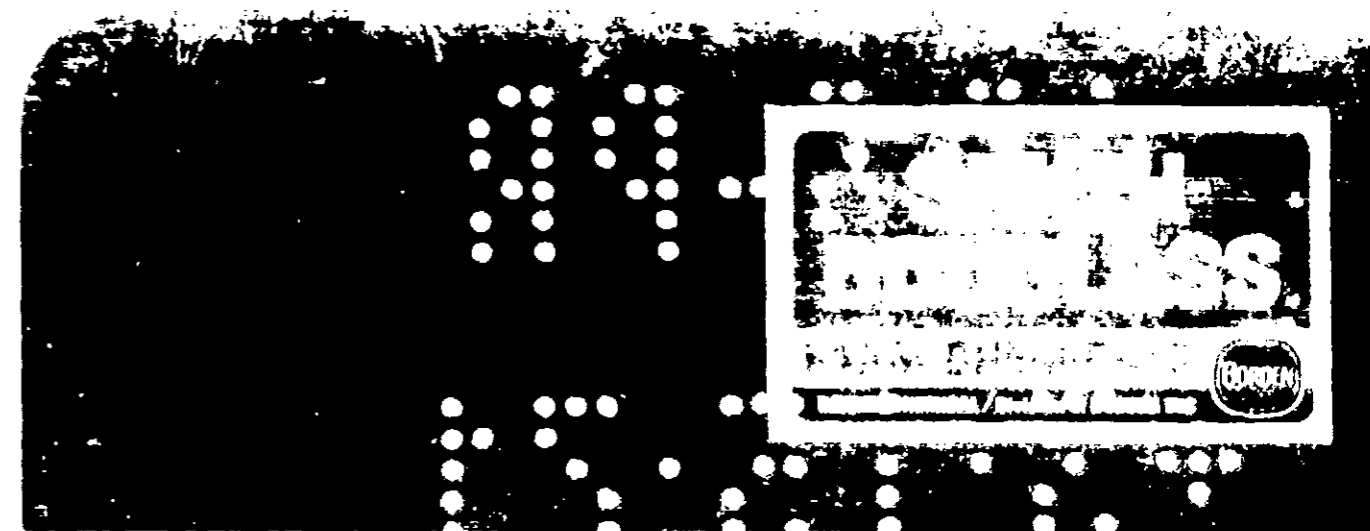
Aeration is generally considered when the odor of the fumigant is no longer evident.

### DOSAGES

**OVERALL APPLICATION** With chisels 12 inches apart. For loam or sandy soil, use 4 1/2 to 6 gal. per acre of Dowfume W-85 to control nematodes and other soil-borne pests. For muck soils, use 9 gal. per acre.

**ROW APPLICATION:** Reduce the amount used in overall application (see above) in proportion to the actual area to be treated, but not less than two gallons per acre.

For wireworms only in western irrigated districts, use 3 gal. per acre.



**DOWFUME W-85**

ACTIVE INGREDIENTS:  
 Ethylene Dibromide .....  
 INERT INGREDIENTS: .....  
 TOTAL .....

One Gallon Dowfume W-85 contains 12 pounds of Ethylene Dibromide  
 \*DOWFUME — Trademark of THE DOW CHEMICAL COMPANY

**DANGER**



**DANGER: KEEP OUT OF REACH OF CHILDREN**

See other warnings on side panel

Distributed By Smith-Douglas  
 Division of Borden Chemical, Borden  
 Norfolk, Va.

May 18, 1971  
 4155-427-1000



**DOWFUME W-85**

INGREDIENTS:	
Ethylene Dibromide	83.0%
Other Ingredients	17.0%
<b>TOTAL</b>	<b>100.0%</b>

Dowfume W-85 contains 12 pounds of Ethylene Dibromide  
© — Trademark of THE DOW CHEMICAL COMPANY



**KEEP OUT OF REACH OF CHILDREN**

See other warnings on side panels

Distributed By Smith-Douglass  
Division of Borden Chemical, Borden Inc.  
Norfolk, Va.

For Nursery Crops, Seed Beds, and Floral Crops use 6 gal. per acre.  
For Strawberries to be maintained more than one year, use 9 gal. per acre.  
For Fruit Tree planting sites, use 15 gal. per acre.  
For Pineapples: Preplant application, use 9 to 18 gal. per acre placed in or near the plant lines at a depth of 5 to 8 inches. For Hawaiian pineapple, depending on cultural practices, the interval between treating and planting may be as short as 2 days.  
For White Potatoes, do not use more than 6 gal. per acre.

**PRECAUTIONS:** Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil, particularly where heavy rates of fertilizer and fumigants have been applied to either cold, wet, acid or high organic matter soils. To avoid plant root injury, fertilize after fumigation as indicated by soil tests. To avoid nitrate starvation, ammonia injury or both, avoid ammonium salt fertilizers until after the crop is well established and the soil temperature is about 65° F. Nitrification in highly acid soils may be stimulated by liming, thereby reducing ammonia toxicity. The above precautions do not apply to crops such as pineapple, sugar cane and cotton which are tolerant to ammonia.

To reduce reinfestation of the soil, use clean tools. Do not add crop residues or use transplants that may carry nematodes.  
This product will not control flea beetle larvae, maggots and certain other soil insects.  
Do not use Dowfume W-85 on extremely heavy soils or on land to be planted to onions within 2 years.  
Do not store near seeds, plants or fertilizers.

Equipment made of aluminum, magnesium metal or alloy's should not be used.  
If Dowfume W-85 is subjected to temperatures of 28°F or lower, warm to 50°F, and mix thoroughly before using.

Store in tightly closed containers in a cool place away from dwellings.  
Decontaminate containers by burying unused product at least 18 inches deep and away from water supplies.  
Allow inside of thoroughly drained container to air dry away from children. Destroy container to prevent re-use.

**NOTE:** The U.S. Food and Drug Administration has established maximum amounts of pesticide chemicals (in parts per million) that may remain on raw agricultural products at harvest. The above dosage directions are based on the best available information and if followed carefully should not leave excessive residues. It is the user's responsibility to see that there is no residue at harvest time in excess of the established maximum amounts.

**DANGER**

Avoid breathing vapor. Do not get in eyes, on skin or on clothing

**FIRST AID:** In case of contact, immediately remove contaminated shoes and clothes and wash skin with soap and water. Flush eyes copiously with water for at least 15 minutes and get medical attention. Do not reuse clothing or shoes until completely free of chemical odor. If inhaled, remove patient to fresh air. If swallowed, induce vomiting with 2 tablespoonfuls of salt in glass of warm water. Call a doctor.  
**CALL A PHYSICIAN IN CASE OF EXPOSURE. HARMFUL IF INHALED, SWALLOWED OR CONTACTED WITH SKIN.**

**NOTICE:** Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use but seller makes **NO WARRANTY OF MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE** or any other warranty, express or implied, except as herein stated. Seller's liability is limited to the purchase price of the product and this shall be the buyers only remedy. Buyer assumes the risk of use of this product contrary to label instructions, carelessly, or under conditions not intended by or not reasonably foreseeable to seller.