

AN EFFECTIVE BLEND OF SURFACTANTS FOR USE ON ALL TYPES OF GROWING MEDIA IN NURSERIES, GREENHOUSES, INTERIOR PLANTSCAPES, SOIL PRODUCTION AND TURFGRASS.

Product Information Bulletin

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GENERAL INFORMATION

Suffusion is an effective blend of surfactants for use on all types of growing media in nurseries, greenhouses, interior plantscapes, and turfgrass.

Suffusion is specifically developed to:

- Improve water penetration and retention of optimum moisture levels
- Give excellent initial wetting and long term re-wetting
- Assist uniform wetting and drying of the growing media
- Improve drainage
- Easily mix under cold conditions

Active ingredient: **Suffusion Liquid** a 100% alkoxyether surfactant and the **Granules** are 22% alkoxyether surfactant.

Packaging: **Suffusion Liquid** is packaged in 2.5 gal. and 30 gal. drums. **Suffusion Granules** are packaged in 50-pound pails.

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **None**

Signal Word = **Danger**

PRECAUTIONARY STATEMENTS

Applicators and other handlers must wear:

- Goggles or a facial splash shield
- Chemical resistant gloves such as nitrile rubber or neoprene rubber
- Coveralls or long pants
- Long sleeved shirt
- Shoes and socks

Do not expose workers or other persons to this product directly or through drift.

HOW TO USE

Suffusion can be used in the following ways:

- Incorporated in the growing media
- As a drench application
- At low rates in the irrigation/fertigation system
- As a misting agent over freshly stuck cuttings
- As a continuous overhead watering application to remove sitting water on foliage
- As a drench on containers and baskets prior to shipment
- Improve water penetration and drainage, including localized dry spots.

HOW IT WORKS

Suffusion works by reducing surface tension of applied water, penetrating into dry and water repellent areas, and linking together water-repellent soil and water. Peat, bark or alternative compost substrates are typically candidates for **Suffusion**.

WARNINGS

The use of **Suffusion** in overhead watering on poinsettia bracts is not recommended. Overhead watering with **Suffusion** on poinsettias without developing bracts is allowed.

BENEFITS TO USER

Suffusion user benefits include:

- Offering the plant 100% of the media to grow in
- Helping to manage water more efficiently
- Reducing labor and disease issues
- Improving distribution and uptake of nutrients and other media-incorporated materials
- Reducing stress in plants through promoting a healthy growing environment
- Improve water penetration and drainage

TURFGRASS APPLICATION:

Apply **Suffusion** liquid at 2 - 4 quarts per acre per month. Due to the speed at which this unique chemistry wets out the soil, **Suffusion** must be watered in immediately after application. For best results apply 2 quarts per acre every 2 weeks.

APPLICATION RATES/METHODS

Suffusion Granules Incorporation into Growing Media

Production Area	Rate/Cu. Yard	Longevity requirements/Growing media conditions
Containers, field soil Long term production cycles	2 lbs.	Maximum longevity (9-12 months) Severely water repellent media
Pots, hanging baskets Medium term production cycles	1 lb.	Medium longevity (3-6 months) Moderately water repellent media
Flats, pots, trays, plugs Short term production cycles	1/2 lb.	Short term activity (2-6 weeks) Slightly water repellent media

Suffusion Granules Growing Media in Production - Top Dress and Water In

Production Area	Rate
Containers, pots, hanging baskets and interior plantscapes	2 teaspoons per 1 gallon container 4 teaspoons per 2 gallon container 2 tablespoons per 3 gallon container 3 tablespoons per 5 gallon container

Suffusion Liquid Incorporation into Growing Media

Production Area	Rate/Cu. Yard	Longevity requirements/Growing media conditions
Containers, field soil Long term production cycles	6 fl. oz.	Maximum longevity (9-12 months) Severely water repellent media
Pots, hanging baskets Medium term production cycles	4-5 fl. oz.	Medium longevity (3-6 months) Moderately water repellent media
Flats, pots, trays, plugs Short term production cycles	2-3 fl. oz.	Short term activity (2-6 weeks) Slightly water repellent media

Suffusion Liquid Growing Media in Production—Drench

Production Area	Rate PPM	Longevity requirements Growing media conditions
Containers, field soil, balled and burlap stock Long term production cycles	1000-1500 13-19 fl. oz./100 gals water	Maximum longevity (6-12 months) Severely water repellent media
Pots, hanging baskets Medium term production cycles	600-1000 8-13 fl. oz./100 gals water	Medium longevity (2-6 months) Moderately water repellent media
Flats, pots, trays Short term production cycles	300-500 4-6 fl. oz./100 gals water	Short term activity (2-6 weeks) Slightly water repellent media

Suffusion Liquid Injector Rates

Production Area	Rate PPM	Injector Setting		
		1:100	1:200	1:300
Daily feeding	5 ppm - 0.067 fl. oz./100 gal 5 ppm - 2.0 mL/100 gal	0.067 oz* 2.0 mL*	0.134 oz* 4.0 mL*	0.20 oz* 6.0 mL*
Weekly feeding	50 ppm - 0.67 fl. oz./100 gal 50 ppm - 20 mL/100 gal	0.67 oz* 20 mL*	1.34 oz* 40 mL*	2.0 oz* 60 mL*

*rate per gallon stock solution

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