

A WETTING, PENETRATING AND RE-WETTING AGENT FOR HORTICULTURAL GROWING MEDIA.

Product Information Bulletin

710

GENERAL INFORMATION

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

Suffusion was 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** is 100% alkoxy-ether surfactant and the **Granules** are 22% alkoxy-ether surfactant.

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

SIGNAL WORD

Signal Word = **CAUTION**

PRECAUTIONARY STATEMENTS

Applicators and other handlers must wear:

- Goggles or a facial-splash shield
- Chemical resistant gloves
- Coveralls or long pants
- Long sleeved shirt
- Socks plus shoes

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

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**.

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

APPLICATION RATES/METHODS

Suffusion L Incorporation into Growing Medium

| Production Area | Rate/ Cu. Yard | Longevity require- ments/ 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 G Incorporation into Growing Medium

| Production Area | Rate/ Cu. Yard | Longevity require- ments/ 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 L Growing Media in Production—Drench

| Production Area | Rate PPM | Longevity require- ments/ 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 |
| Pots, hanging baskets Medium term production cycles | 600-1000 8-13 fl. oz./100 gals water | Medium longevity (2-6 months) Moderately water repellent |
| 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 |

Suffusion L Additional Usage Areas

Growing Media in Production Prior to Shipment

| Production Schedule | PPM |
|---------------------|--|
| Prior to Shipment | 500-1000 6-12 fl. oz. per 100 gals water |

Drench containers, hanging baskets and trays prior to shipment.

Misting Cuttings

| Production Schedule | PPM |
|---------------------|--|
| Misting Cuttings | 150 1.8 fl. oz. per 100 gals water |

Spray freshly stuck cuttings with a very fine mist to the point of run off.

Dying Cut Flowers

| Production Schedule | PPM |
|---------------------|--|
| Dying Cut Flowers | 150 1.8 fl. oz. per 100 gals water |

Incorporate Suffusion in the dye solution.



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