

CAPMAT™ II

Capillary Matting

Major characteristics of CapMat™ non-woven fabric:

- *Lightweight and easy to handle*
- *Exceptional strength — wet or dry*
- *Resistant to shrinking*
- *Resistant to rot, mildew & chemicals*
- *Fabrics are easy to cut and do not fray*
- *Highly absorbent, permitting water to wick rapidly to the roots of the plant by capillary action*
- *Resilient, does not crush readily*
- *Reversible for longer life*
- *Economical*
- *Light gray color for excellent light reflection*
- *Physan 20 can be used for algae control and extending the life of CapMat™ installations*



THE ADVANTAGES OF CAPILLARY MATTING

Capillary watering has been used in greenhouses for decades. Before the manufacture of spun-bonded fabrics such as **CapMat™**, beds of wet sand were used as was old newspaper laid on benches several layers thick. Capillary mats are popular today among wholesale and retail growers of potted plants because they are efficient and economical to purchase and install. The mat is easily fitted to almost any greenhouse bench and can be equipped with a simple water distribution system.

In addition to the convenience of capillary watering, there are a number of distinct advantages that are a part of it. First, with the use of drip hose to distribute water, plant spacing can be varied with differing pot sizes without being tied to the spacing dictated by the use of drip tubes. Similarly, just about any combination of

pot sizes may be placed on the mat and be evenly watered.

Another advantage of capillary watering is that plants with sensitive or delicate foliage are not spotted by overhead watering. Also, plants are not knocked over as they can be by overhead watering. Finally, capillary mat watering produces enhanced, uniform growth in a crop.

The water distribution system described on the reverse side can be controlled or on a timer operated solenoid valve. A 150 mesh filter at the head of the system is recommended to keep drip hose lines from clogging. Growths of mosses and algae may be easily controlled with the biocide, Physan 20.

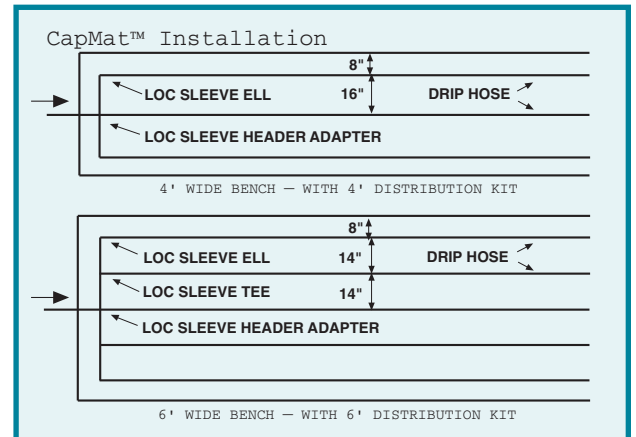
Can be shipped UPS.

Please see other side for additional CapMat™ information

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CAPMAT™ II Installation

1. **CapMat™** will work best on benches that are level. Water accumulating in low spots will result in uneven watering of plants.
2. Line the bench with a continuous length of poly film which fully covers it. A slight overhang along the length of the bench and across the ends will retain water out to the edges. The edges tend to dry out more quickly than the main body of capillary matting.
The use of black poly film will reduce the occurrence of algae on the lower surface of the **CapMat™**.
3. After the poly film liner is in place, roll out the **CapMat™** fabric. If possible, trim the fabric to fit the bench without overlap to prevent excessive dripping of water and fertilizer solutions.
4. Wet out the **CapMat™** prior to installing the water distribution system. Occasional dry spots may occur upon the initial wetting of the fabric, but will disappear after several applications of water. Should a dry spot persist, treat it and the area surrounding it with a liquid wetting agent solution (such as AquaGro).



CapMat™ Distribution Kits

- Kits take the guesswork out of irrigating capillary mat
- Two kits are sized for bench widths of 4 and 6 feet, 100 feet long
- Unique fittings require no special tools
- Drip hose spreads water evenly
- Kit includes pressure regulating valve and pressure gauge
- Operates at low pressure
- Easy and economical to install
- Complete directions are included for easy installation



These kits make it easy to irrigate **CapMat™** and any existing capillary mat installation. Sufficient drip hose and friction-hold fittings are provided for 100 feet of bench for either 4 foot or 6 foot widths. The only tools needed are a tape measure and a pair of scissors. A pressure regulating valve guards against bursting the drip hose, and a simple, convenient gauge measures water pressure in pounds per square inch (psi).

DISTRIBUTED BY:

 **Phytotronics, Inc.**

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