



## BioStrate<sup>®</sup>: Grow-Tech's Biobased Propagation Felt

This lightweight biobased textile is designed for the hydroponic production of microgreens, salad greens and wheatgrass. BioStrate absorbs and retains water while providing an optimal environment for dense healthy root development. Our blend of biopolymers and natural fibers is designed to manage water efficiently for optimal growth in a variety of hydroponic systems.

BioStrate 185gsm is certified compostable\*. However, it will maintain its structural integrity for the entire crop cycle and won't clog filters. Custom widths and pre-cut shapes are available.

### Grower Benefits

- Holds the optimal amount of water
- Roots are stabilized
- pH balanced
- Compostable\*
- Ready to plant, no pretreatment required
- Custom widths available
- Lightweight
- Easy to use



\*DISPOSAL: This product meets ASTM D6400 and is intended to be composted in a commercial composting facility operated in accordance with best management practices. These do not exist in many communities. Visit [www.findacomposter.com](http://www.findacomposter.com) to see if such a facility exists in your community. Not suitable for backyard composting.

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## BioStrate® Technical Data Sheet

**DESCRIPTION:** BioStrate is a biobased non-woven felt made from a biopolymer and natural fiber blend.

**APPLICATION:** BioStrate is a growing medium designed for hydroponic microgreen, salad green and wheatgrass production.

### PHYSICAL PROPERTIES:

**Weight:** 185 gsm | **Thickness:** .14" (3.5mm)      **Weight:** 300 gsm | **Thickness:** .4" (10mm)

**FOOD SAFETY:** This product is food safe when used in conjunction with your own food safety program.

### TO USE:

1. Moisten BioStrate® Felt with mist or a quick dip in a water bath. Let excess water drain.
2. Sprinkle seeds to the desired density, then mist. BioStrate can support tightly packed seedlings.
3. Place in germinating area for 48 hours or as needed.
4. BioStrate performs best when not overwatered. The amount of water will vary depending on the system used. The felt should be kept moist, not saturated. Water level should not be higher than the top of the medium. If water pools in the felt, reduce water flow.

**STORAGE & HANDLING INSTRUCTIONS:** Store out of direct sunlight in a cool dry location. As with all dry fiber products, the use of a dust mask is recommended.

**SHELF LIFE:** 6-9 months when stored as directed. Monthly inspections recommended.

**CERTIFICATIONS:** *(Compostability certifications for BioStrate 185 gsm only, 300 gsm has not yet undergone testing.)*



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