

GREEN VALLEY GREENHOUSE CASE STUDY

Achieving Consistency and Efficiency with BM4 Natural Fiber - Wood HP



Challenges:

Inconsistent Growing Mix: Variability in their growing media created challenges, affecting crop quality and production schedules.

Irrigation Management: Maintaining proper water balance in the growing media was a challenge at times, as it tended to dry out too quickly between irrigations

Root Development: Media lacked the proper structure for consistent root development, impacting the overall quality of the plants.

Goals:

Green Valley needed a solution that would provide consistency and predictability to their growing process, year after year.

Consistent Growing Media: They sought a uniform mix that would deliver reliable results season to season.

Improved Irrigation Management: A growing media that could help regulate water retention and allow for more efficient, controlled watering.

Enhanced Root Development: They wanted to optimize root growth to improve plant health and production quality.

Location: Ramsey, MN

Size: 35+ acres (Indoor and Outdoor Production)

Main Crops: Chrysanthemums, Poinsettias, Potted Hydrangeas, Spring Annuals, Large Container Planters

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Solution: BM4 Natural Fiber – Wood HP

To address these challenges, Green Valley Greenhouse transitioned to Berger's BM4 NF HP substrate.

“Quality control is second to none at Berger. The BM4 NF HP mix, especially for larger containers, provides the right structure needed for optimum growth, making it a perfect fit for our needs.” - Andrew Butler, Head Grower

Key Results and Outcome:

Since adopting BM4 NF HP, Green Valley Greenhouse has experienced significant improvements across their operations:

Faster and Improved Rooting: The BM4 mix led to faster root establishment, allowing crops to mature more uniformly and improving overall plant health.

More Predictable Conditions: Consistency with growing media has allowed for better control over production timelines, reducing risks of crop variability.

Optimized Irrigation: While some adjustments were initially required to adapt to the wood fiber's enhanced water retention, the greenhouse now benefits from a more consistent and predictable irrigation schedule and has reduced water usage overall.



For any grower seeking to improve consistency, irrigation management, and root development across multiple crop types, BM4 NF HP offers a proven solution.

“The Choice of Top Growers”

