Case Study

FibriAgri Plug Trials at a Commercial Propagation Nursery



OVERVIEW

A commercial grower undertook initial trials of FibriAgri 2 × 2 × 3 cm propagation plugs during November - December 2025 to assess performance across a range of ornamental crops, including varieties traditionally considered difficult to root.

Trial Set-Up
Product: FibriAgri propagation cube (2 × 2 × 3 cm)
Format: 126-cell trays
Trial period: November - December 2025
Sticking date: 10 November 2025
Potting-on date: 28 November 2025
Growing-on media: Jiffy peat-free bedding mix with DCM fertiliser

The trial included the following crops:
- Fuchsia
- Lavender
- Wallflower
- Osteospermum
- Calendula

Performance During Propagation
The FibriAgri plugs demonstrated rapid water uptake, taking only seconds to hydrate fully. Once charged, the plugs held moisture consistently throughout the propagation phase, supporting even rooting conditions across the tray.

Root initiation was strong across all crops, including more challenging varieties such as Fuchsia, where rooting consistency is often an issue. The plug structure remained stable and intact during handling, maintaining a clean and manageable propagation environment.

Potting-On & Establishment
Plants were potted on after 18 days. At this stage, roots were already well developed and visibly extending through the base of the plug into the growing-on media.

By mid-January, plants had established quickly, with healthy root systems continuing to develop down into the pot. The transition from plug to pot was smooth, with no signs of check or stress following transplanting

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FUCHSIA

Fuchsia stick date 10th November 2025

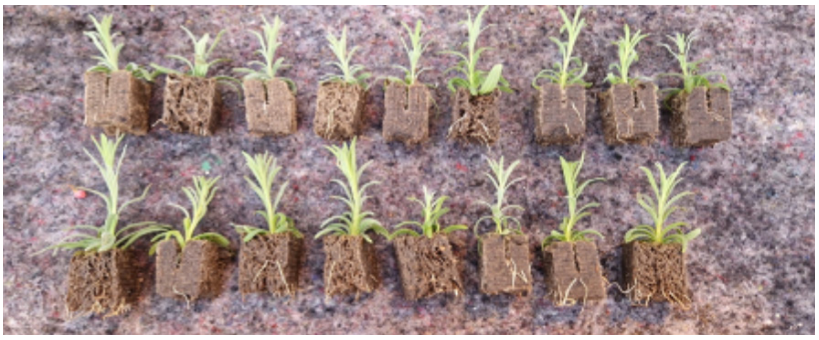




Fuchsia Potted date November 28th into Jiffy Peat free Bedding mix with DCM. Plug is already rooting well with roots making their way down the pot. 3rd photo took on 16th January.

LAVENDAR

Lavender stick date 10th November 2025

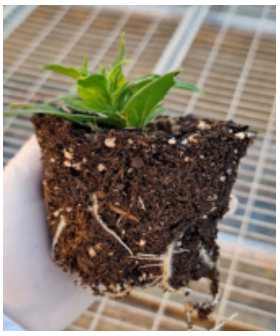




Lavender Potted date November 28th into Jiffy Peat free Bedding mix with DCM. Plug is already rooting well with roots making their way down the pot. 3rd photo took on 16th January.

OSTEOSPERMUM

Osteospermum stick date 10th November 2025


Potted date November 28th into Jiffy Peat free Bedding mix with DCM. Plug is already rooting well with roots making their way down the pot. 3rd photo took on 16th January. 3rd photo took on 16th January.

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WALL FLOWER

Wall Flower stick date 10th November 2025





Wall flower potted date November 28th into Jiffy Peat free Bedding mix with DCM. Plug is already rooting well with roots making their way down the pot. 3rd photo took on 16th January.

CALENDULA

Calendula stick date 10th November 2025





Calendula Potted date November 28th into Jiffy Peat free Bedding mix with DCM. Plug is already rooting well with roots making their way down the pot. 3rd photo took on 16th January.

Key Outcomes

- Strong and consistent rooting across multiple species
- Particularly positive results on difficult-to-root crops
- Excellent moisture management during propagation
- Clean handling and stable plug structure
- Rapid establishment after potting-on
- Long shelf life when stored dry, offering logistical flexibility

Conclusion

Initial results suggest FibriAgri plugs offer a reliable, peat-free propagation solution for commercial growers seeking consistency, cleanliness, and strong early-stage plant performance. The product shows clear potential for wider adoption following further trials.

Grower Testimonial

"Very promising results from the initial trial, especially on crops that are challenging to root such as pansy and fuchsia. The plugs watered up very quickly and held moisture well during propagation. Storage as a dry plug suggests a long shelf life, and plants established strongly after potting on."

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