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SE TOPP NEWS

LION FARMS: BUILDING THE FUTURE OF SUSTAINABLE AGRICULTURE IN SOUTH FLORIDA

Located in Miami's Redland Agricultural Area, Lion Farms has quickly become a standout leader in regenerative farming and controlled-environment mushroom production. Known for their premium Lion's Mane mushrooms and innovative vermicomposting system, the farm blends science, sustainability, and community education into a single, integrated ecosystem.

Regeneration at the Core

Lion Farms operates on the belief that agriculture must restore ecosystems, not deplete them. Their farm combines controlled-environment agriculture, agroforestry, aquaculture, and vermiculture to create a zero-waste, closed-loop system where every output becomes a resource for the next cycle. Their hurricane-resilient grow facility enables year-round Lion's Mane production with precise control over humidity, airflow, and CO₂—allowing mushrooms to reach Miami distributors within hours of harvest.



Lion's Mane production in Lion Farms.



Peter Fedele (owner), Ricky Lopez (Distribution Manager and Agricultural Supervisor) and Spencer Murray (Mycologist)

Innovation Through Mycology

Lion's Mane mushrooms are cultivated using a seven-stage applied mycology process that begins with tissue culture and ends with a regenerative vermiculture cycle. Spent substrate is transformed into nutrient-rich vermicompost using red wiggler worms, producing a powerful soil amendment that boosts plant health and microbial diversity. A single system can generate up to 800 pounds of compost weekly.

Learn More:



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The Lion Farms Nursery: Biodiversity in Action

Their expanding nursery serves as both a commercial plant source and an agroecology field station. It produces tropical fruit trees, exotic herbs, root crops like turmeric and ginger, and plant material for centropic food forests—strengthening biodiversity and soil resilience across South Florida.

Science-Based Farming

Through partnerships with FIU and UF, Lion Farms hosts research on vermicompost teas, industrial hemp, precision mapping, cover crops, and biochar. This collaboration transforms academic findings into practical tools that farmers and educators can apply across the region.



Ricky Lopez (Distribution Manager and Agricultural Supervisor) and Spencer Murray (Mycologist) harvesting Lion's Mane mushrooms.



Polebarn where Vermicompost Productions occur in Lion Farms.

Education, Agritourism & Community Impact

Lion Farms offers guided tours, workshops, and hands-on training for youth, students, and community groups. Visitors learn about mushroom production, aquaculture, composting, and food forest systems—experiencing regenerative agriculture in real-time.

Lion Farms: Growing Resilience from Soil to Community

With cutting-edge production, ecological design, and a deep commitment to education, Lion Farms demonstrates how Florida agriculture can thrive through innovation and regeneration. Their work shows that resilience is more than a concept—it's a system built through collaboration, biodiversity, soil health, and community care.

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