

MUSHROOM DRIP IRRIGATION SOLUTION

UNIQUE SYSTEM COMPLEMENTING CURRENT
GROWING TECHNOLOGY



BREAKING NEW GROUND

Netafim offers a unique drip irrigation solution for mushroom growing. Based on the company's innovative low-flow compensated non-leakage (CNL) drippers, the solution enables the release of small yet precise amounts of water at quick pulses. This ensures optimal casing and compost moisture levels throughout the entire growing cycle, while eliminating water shortages during the second and third flush. Complementing existing mushroom-growing technology, the system reduces growing costs and improves mushroom yields and quality to deliver a rapid ROI.

CHANGING THE LANDSCAPE

Netafim's cutting-edge solution significantly changes the mushroom-growing landscape by:

- Ensuring optimal moisture levels without wetting mushrooms
- Eliminating bacterial blotch and the need to dry out growing rooms after irrigation
- Decreasing amounts of casing material and spent mushroom substrate (SMS)
- Enabling application of supplements during mushroom cultivation



NETAFIM'S SYSTEM PROMOTES SUSTAINABILITY. IN ADDITION TO **SAVING ENERGY, THE SOLUTION EMITS A **LOWER CARBON FOOTPRINT.** THE SYSTEM'S IRRIGATION PIPES CAN BE RECYCLED AFTER USAGE, WHILE THE SMS CAN BE RECYCLED AT THE END OF THE GROWING CYCLE.**



BENEFITS

- Optimal compost moisture level
- Enhanced product quality
- 15-30% decrease in casing material
- Minimal capital investment
- Rapid ROI



7%

INCREASE IN YIELDS

DECREASE IN ENERGY EXPENSES

20%

*Champion Farm, Israel

KEY BUILDING BLOCKS

UNIRAM™ 0.7 DRIPPER

- Pressure-compensated non-leakage dripper
- Installed at shallow subsurface depths
- Remains constantly filled with water to enable rapid irrigation pulses
- Broadens water distribution
- Improves nutrient utilization
- Delivers larger yields



UniRam™

CONTROLLER

- Designed as dedicated controller
- Includes advanced algorithm incorporating outputs from monitoring tools (e.g. uManage™, Netafim's decision support system for improved crop management)

MECHANICAL DEPLOYMENT SYSTEM

- Automates laying and retrieving of dripperlines within and from the casing

VALUE-ADDED PARTNERS

MIGAL

Migal – Galilee Research Institute focuses its research efforts on agriculture, environmental sciences and biotechnology. Migal employs 170 researchers, including 50 PhD scientists, engineers, laboratory technicians and graduate students. Migal's cultivated mushroom research group is devoted to applied research, and the results of its work are transferred directly to mushroom growers.

THE CHAMPINION FARM

Established in 1982, the Champion Farm is Israel's leading mushroom producer. The company's products are grown on in-house substrates made from natural materials. At the end of the growing cycle, the spent mushroom substrate (SMS) is recycled for other agricultural purposes.

ABOUT NETAFIM

Netafim, the world's pioneer in drip irrigation, is the leading global provider of drip and micro-irrigation solutions for a sustainable future. Leveraging agronomic expertise, cutting-edge technology and ongoing commitment, Netafim helps customers produce better quality crops and higher yields with fewer resources. From drippers and dripperlines, through sprinklers and micro-emitters, to CMT systems and greenhouse models, Netafim's market-leading products and services enable cost-effective agricultural irrigation for achieving optimal and sustainable results.

For more information about Netafim's solutions, visit us at www.netafim.com, or contact us at dubi.raz@netafim.com.



