



GHI Fodder System — Executive Overview

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Summary

Greenfield Hydroponics (GHI) sells turnkey hydroponic fodder systems that grow fresh sprouted forage on site, every day of the year, on a roughly seven-day cycle. They use up to 90% less water than field forage and no pesticides, and paired with GTG atmospheric water generators they make their own water from the air. The operator owns a local, predictable feed supply insulated from drought, hay prices and freight.

The problem

Feed is the largest controllable cost in most livestock operations, and forage supply is fragile: drought raises prices, hay travels long distances, water and land are scarce, and winter relies on stored feed. On-site, controlled growing reduces all four exposures.

How the system works

Seed soak → load trays → grow ~7 days → harvest whole mat → feed fresh, repeated daily, so each day's planting becomes a day's harvest once the room is full. Hydroponics, climate control, LED lighting and automated irrigation run the room; labor is limited to seeding and harvest, with the AgTech SmartAPP providing production data.

Key benefits

Benefit	What it means for the operator
Water	Up to 90% less than field forage, supplied by on-site GTG generators
Land and season	A compact room replaces acres of forage; harvest every day of the year
Quality	Fresh, pesticide-free feed with seed-to-trough traceability
Supply security	Less reliance on trucked-in hay and volatile forage markets
Species	Cattle, horses, sheep, goats and pigs

Fodder is one part of a balanced ration; set inclusion rates with a nutrition advisor.

Water supply: GTG atmospheric water generators

GHI systems use Green Technology Global (GTG) atmospheric water generators as the primary water source, condensing clean water from the air instead of relying on a well or municipal line. Production continues through drought, water quality stays consistent, and the humid grow room both suits the generators and lets crop moisture be recaptured. GTG models from 100 L to 10,000 L are sized to daily demand, with existing water as backup.

Offer and next steps

GHI's primary offer is a system the operator owns, delivered from scoping and design (including GTG water sizing) through installation, commissioning and training; Fodder As A Service is available for selected projects. Best fit: dairy, beef, equine, sheep, goat and hog operations facing costly forage, scarce water or unreliable supply. For a complimentary preliminary proposal, send species, head count, daily output target and site details to amo@GreenTechnologyGlobal.com.