

FEEDING SERVICE FOR YOUR
ANIMALS 365 DAYS A YEAR



NO PESTICIDES
NO AGROCHEMICALS
SAVING 90% OF WATER



FAAS
FODDER AS A SERVICE

The new way to feed your cattle

Automation for an Efficient and Simplified Process

At Greenfield Hydroponics, we have developed fully automated systems that simplify the hydroponic forage production process, requiring only minimal operator intervention to start the system. With a simple touch of the power button, our hydroponic system activates and operates independently, optimizing the use of resources and ensuring consistent, reliable production. This simplicity in handling allows our customers to maximize their time and minimize human intervention, reducing errors and increasing operational efficiency.

Artificial Intelligence for Optimal Control

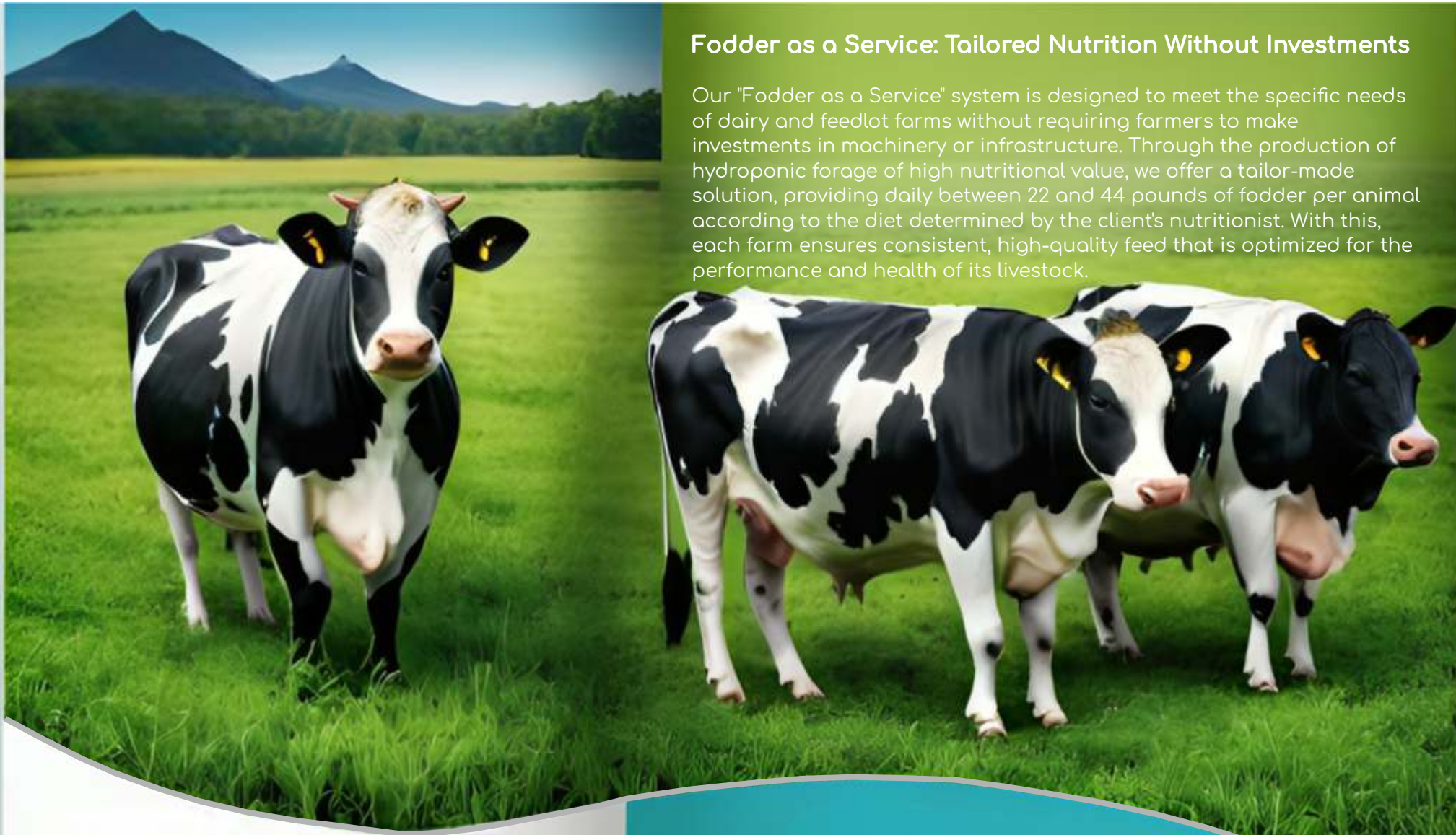
Our Artificial Intelligence (AI)-applied control technology monitors every aspect of the growing process in real-time. Advanced sensors evaluate factors such as humidity, temperature, light and nutrients, automatically adjusting environmental conditions to ensure forage grows in an ideal environment. This AI application not only ensures uniform and healthy forage growth, but also optimizes the use of water and energy, offering a more sustainable and environmentally friendly solution.

Commitment to Quality and Sustainability

At Greenfield Hydroponics, we understand the importance of quality animal feed, which is why our forage is produced in a completely controlled environment, free of pesticides and pollutants. This ensures that each batch meets the highest standards of freshness and nutritional value, promoting animal welfare and farm productivity. In addition, our technology contributes to a more sustainable production model, reducing the carbon footprint and taking care of natural resources.

Innovation That Transforms Livestock Farming

Our automated and AI-controlled systems not only represent an efficient and low-cost solution, but also make a real difference in the livestock industry. With Greenfield Hydroponics, farmers can ensure consistent, quality feed for their livestock, without the traditional challenges of farming methods and without additional costs on infrastructure or equipment. We are committed to innovation and technology as drivers of change, helping our customers to raise the standard in animal production and care.



Fodder as a Service: Tailored Nutrition Without Investments

Our "Fodder as a Service" system is designed to meet the specific needs of dairy and feedlot farms without requiring farmers to make investments in machinery or infrastructure. Through the production of hydroponic forage of high nutritional value, we offer a tailor-made solution, providing daily between 22 and 44 pounds of fodder per animal according to the diet determined by the client's nutritionist. With this, each farm ensures consistent, high-quality feed that is optimized for the performance and health of its livestock.



Savings of up to 40% on the Daily Ration

Thanks to our advanced hydroponic production technology, we can significantly reduce the cost of the daily ration for each animal. By choosing our system, farmers can save up to 40% on feed costs without compromising the nutritional quality of the forage. These savings improve the profitability of livestock operations, maximizing efficiency and return on investment without additional costs in equipment or maintenance.



Increase of up to 15%
in milk production



96% digestibility



Increase in
conception rate







Feeding Dairy Cows and Feeder Cattle with Hydroponic Fodder

Hydroponic forage feeding is revolutionizing the nutrition of dairy and feeder cattle, providing fresh, highly nutritious and sustainable feed that benefits both animals and farmers. This advanced production system allows for high-quality forage at any time of the year, ensuring that the cattle receive a balanced and consistent diet.

Advantages of Hydroponic Fodder

1. **Increased Milk Productivity and Weight Gain**
For dairy cows, a hydroponic forage feed contributes to increased milk production, thanks to its high levels of protein and essential nutrients. In the case of fattening cattle, hydroponic forage promotes more efficient weight gain, accelerating growth and improving meat quality. This feed is easy to digest, which allows animals to absorb nutrients better, optimizing their overall performance.
2. **Constant and Personalized Nutritional**
QualityBeing grown in a controlled environment, hydroponic forage maintains a constant nutritional profile, without seasonal or quality variations. In addition, this system allows the amount of forage supplied to be adjusted according to the diet formulated by the client's nutritionist, providing between 22 and 44 pounds per day per animal. This personalized feeding ensures that each animal receives the right nutrients for optimal development, whether in milk production or fattening.
3. **Sustainability and Resource Use Reduction**
Hydroponic production requires up to 90% less water than traditional methods, promoting responsible use of natural resources. In addition, forage grows in less than 7 days, eliminating the need for large tracts of land and significantly reducing the carbon footprint. This type of diet contributes to the care of the environment and adapts to the growing demand for sustainable agricultural practices.
4. **Year-round availability without weather dependence**
One of the great advantages of hydroponic forage is its constant availability. Regardless of weather conditions or seasonal variations, this type of cultivation ensures a fresh food supply throughout the year. This eliminates dependence on rain or favorable weather, ensuring quality food in any season.
5. **Reduced Operating Cost**

With Greenfield Hydroponics' "Fodder as a Service" system, farmers can reduce the cost of each animal's daily ration by up to 40%. In addition, there is no need to invest in additional machinery or infrastructure, which means immediate and long-term savings. Automating the hydroponic system requires only one operator to turn it on, simplifying the process and minimizing human resource expenditure.

1. **Better Animal Health and Welfare**
Hydroponic fodder is free of pesticides and chemicals, offering clean and safe food. This promotes the health of livestock, reduces digestive problems and strengthens the immune system of the animals. Well-fed and healthy livestock is synonymous with more efficient and profitable production, which directly benefits farmers and improves the quality of the final product.

Category	Description	Unit	Barley Seed	Barley 3 Days	Barley 6 Days	Wheat Seed	Wheat 3 Days	Wheat 6 Days	Maize Seed	Maize 3 Days	Maize 6 Days
CP	Protein (crude)	%DM	3,44	14,88	17,13	16,63	16,48	15,94	3,6	15,2	18
ADF	Fiber (acid detergent)	%DM	4,95	5,88	11,02	3,17	4,15	5,41	4,5	6	10
aNDF	Neutral Detergent Fiber	%DM	13,74	14,46	22,2	11,69	13,5	17,76	12,8	13,9	23,1
aNDFom	Neutral Detergent Fiber	%DM	3,66	14	21,84	10,1	10,25	15,93	3,2	14,8	22,3
Fat (EE)	Crude Fat	%DM	2,23	5,69	2,88	3,34	2,25	2,12	2,5	5,3	3
NFC	NonFibrous Carbohydrate	%DM	0,19	64,96	57,84	0,18	64,12	64,12	0,25	65,3	58,2
Ash	Ash	%DM	0,29	2,53	3,7	1,58	1,88	1,69	0,3	2,6	3,9
Calcium	Calcium	%DM	0,09	0,12	0,12	0,13	0,11	0,11	0,1	0,14	0,14
Phosphorus	Phosphorus	%DM	0,4	0,46	0,42	0,4	0,43	0,4	0,38	0,43	0,41
Magnesium	Magnesium	%DM	0,14	0,14	0,18	0,1	0,1	0,12	0,12	0,15	0,17
Potassium	Potassium	%DM	0,59	0,95	0,81	0,43	0,67	0,57	0,6	0,98	0,85
Sulfur	Sulfur	%DM	0,15	0,19	0,13	0,05	0,11	0,11	0,16	0,2	0,15
Sodium	Sodium	%DM	0,03	0,03	0,04	0,03	0,05	0,05	0,02	0,03	0,05
Manganese	Manganese	PPM	22	32	34	48	48	48	20	30	36
Zinc	Zinc	PPM	30	90	89	90	96	96	35	85	87
Copper	Copper	PPM	1	29	17	7	7	7	2	28	15
Iron	Iron	PPM	62	84	83	36	83	83	65	87	85
Molybdenum	Molybdenum	PPM	0,1	0,75	1,37	0,8	0,84	0,84	0,08	0,76	1,4
TDN 1x	Total Digestible Nutrients	%DM	4,57	79,22	75,58	85,84	84,16	81,74	5,1	80,3	76,9
Nel 3x	Net Energy Lactation	Mcal/cwt	88,72	83,55	78,71	83,97	81,49	80,99	89,5	84,1	79,2
Neg	Net Energy Gain	Mcal/cwt	60,81	59,2	54,98	63,3	61,7	58,71	61,5	60,1	55,9
Nem	Net Energy Maintenance	Mcal/cwt	90,4	88,53	83,65	89,54	88,56	85,71	91	89,2	84,5

NUTRITION T A B L E



A Premium Fodder Supply System for Your Cattle

Our hydroponic fodder supply system is as simple as it is effective. By simply signing a supply contract for 5 years, you will have access to a comprehensive and high-quality feed model for your animals, which will allow you not only to save money, but also to provide them with first-class care.

Guaranteed Savings and Cost Control

By signing with Greenfield Hydroponics, you'll get consistent quality hydroponic fodder with assured year-round availability. This continuous supply will allow you to save up to 40% on power costs without the need to make investments in infrastructure or machinery. Our "Fodder as a Service" system not only provides you with high-quality fodder, but also stabilizes your expenses and eliminates cost variances associated with traditional feeding methods.

Personalized Nutritional Care for Your Livestock

As part of our premium system, you will have the support of a team of specialized nutritionists who will work with you to formulate the most appropriate diets for each group of animals. This ensures that the fodder we provide is optimised to meet the specific nutritional needs of your dairy cows or feeder cattle, maximising their performance and welfare.

Dedicated Veterinary Support

In addition to our nutrition experts, you will have access to a veterinarian available for any question related to the health of your animals. This professional is here to provide advice and answer your questions, ensuring that your cattle receive the care and supervision they need to stay healthy and productive.

A Long-Term Commitment to Quality and Trust

Our 5-year contract is an investment in the future of your business, allowing you to plan and operate with the peace of mind of having a reliable fodder supply and a dedicated team by your side. With Greenfield Hydroponics, you're not just getting a product, you're entering into a comprehensive care system for your livestock, backed by professionals who care about your animals' health and performance.

The Smart Choice for Your Farm's Future

When you choose Greenfield Hydroponics, you opt for an innovative feeding system and personalized service that will transform the way you feed your livestock. We are committed to accompanying you and ensuring that your cattle receive the best, both in nutrition and health, so that you can focus on growing your business in a sustainable and profitable way.





READY TO START?

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