



AL ALIYO
HYDRO FARMS

Innovation
Automation
Conservation

الابتكار، الأتمتة، المحافظة على البيئة

*We reimagine sustainable solutions
for a healthier living and greener earth.*

نعيد تصور الحلول المستدامة
من أجل حياة أكثر صحة وأرض أكثر خضرة.



DECODING HYDROPONIC

Hydroponic is a culmination of two Greek words, 'hydro' meaning water and 'ponos' meaning labour. Hydroponic farming, a Babylonian concept, eliminates the dependency on climatic conditions, seasons, water and soil.

Plant production occurs via water in a monitored sterile environment sans human interference. Hence, the product tends to grow faster, uses lesser water and is chemical and pesticide-free.

GET TO KNOW US

Al Aliyo Hydrofarms is the pioneer of hydroponic fodder farming on an industrial scale in the UAE.

We are on the cusp of a green revolution, and who better than women to lead us?

Two extraordinary ladies, Farzana Malik and Tarannum Malik, a mother-daughter duo have pooled in their collective expertise and combined it with the UAE vision of becoming world leaders in innovation-driven food security.

Al Aliyo Hydrofarms revolutionary hydroponic methods offer a long-term solution to the challenges of the agricultural industry. Essentially, with minimal carbon emissions and reduced energy consumption, we are economical, sustainable, green, and environmentally friendly.



WHAT WE BELIEVE

- Our vision is in sync with the UAE national agenda to strengthen significant food supply chains across all strata of society as top priority. We aim to contribute to the UAE government's food security efforts by providing green fodder of the highest quality directly to farmers.
- Our mission is to employ best practices for sector expansion enabling the UAE to become self-sufficient in livestock fodder requirements. In addition, our objective is to identify and redefine the wasteful farming methodologies and replace them with viable, sustainable solutions for long term benefit.

OUR PRODUCTS-FODDER

Al Aliyo Hydrofarms is changing the livestock farming industry by providing fresh, green fodder at your doorstep. Furthermore, we customize your requirement based on the nutritional specifications of your animals because clearly, the daily diet stipulations of a camel differ from those of a goat.

Presently, our fodder menu consists of barley and corn



BARLEY



CORN

NUTRITIONAL BENEFITS OF SPROUTING GRAINS

- **Increase in hydrolytic enzymes.**
- **Improvements in the contents of total proteins, fat, certain essential amino acids, total sugars, B-group vitamins.**
- **Decrease in dry matter, starch and anti-nutrients.**
- **Tremendous source of plant digestive enzymes (required for digestion of protein, carbohydrates and fats).**
- **Good source of vitamin A, E and C plus B complex (Essential for digestion, metabolism of seeds, release of energy and healing and repair of cells).**
- **Help alkalize the body and neutralize acidic ways, assisting the body to heal itself and develop a more robust immune system.**

- . Contain buffer minerals such as sodium, potassium, calcium and magnesium that help maintain a healthy pH level.**
- . Good source of chlorophyll, which plays an essential role in blood cleansing, and building and helping to regenerate the liver, detoxify and invigorate the body and energize the immune system.**
- . Increase hydration and articulation in the animal.**
- . Decrease feed related problem such as colic, founder and laminitis.**
- . Provide an energy dense, live feed source that has a consistent nutritional content in addition to greater amount of lysine, vitamin E and omega-3 fatty acids than hay.**
- . Animals have a shinier coat and improvement in attitude and energy.**



BENEFITS OF FEEDING SPROUTED GRAINS

HORSE

- ✓ Reduced recovery time after hard work
- ✓ Stimulation of appetite, especially during conditions of heat stress
- ✓ Reduction in the incidence of Gut Ulcers in racehorses
- ✓ Reduction in the incidence of Laminitis in working horses
- ✓ Improvements in behavior
- ✓ Significant improvements in general appearance and coat gloss
- ✓ Substantial improvements in hoof quality and strength
- ✓ Improved conception rates in broodmares
- ✓ Improved performance of young foals



BEEF CATTLE

- ✓ Good weight gains
- ✓ Improved conception rates in heifers and cows
- ✓ Improved weaning rates in herds
- ✓ Great improvements in general appearance and coat gloss



DAIRY CATTLE

- ✓ Improve milk yields
- ✓ Improvements in milk fat levels
- ✓ Improve conception rates in milking heifers and cows
- ✓ Fewer herd health problems
- ✓ Greatly improved performance of calves



SHEEP, AND GOATS

- ✓ Good weight gains
- ✓ Improved conception rates in ewes and does
- ✓ Improved weaning rates in herds
- ✓ Improved appearance of fleece in fiber goats
- ✓ Improved milk yields in milking goats
- ✓ Fewer herd health problems



CAMEL

- ✓ Improve milk yields
- ✓ Improvements in milk fat levels
- ✓ Improve conception rates
- ✓ Fewer herd health problems
- ✓ Greatly improved performance
- ✓ Great improvements in general appearance and coat gloss



HOW MUCH TO FEED?



Dairy Cow: Assuming the average weight of a Dairy Cow is 500kg. It is recommended that approximately 3% of total body weight equivalent of fresh corn grass must be fed. Thus, **for a dairy cow, at least 15kg of hydroponic corn fodder to be fed per dairy cow per day.**



Beef Cow: Assuming the average weight of a Beef Cow is 500kg. It is recommended that approximately 4% of total body weight equivalent of fresh corn grass must be fed. Thus, for a beef cow, at least **20kg of hydroponic corn fodder to be fed per beef cow per day.**



Goat/Sheep: Assuming the average weight of a goat/sheep is 50kg. It is recommended that approximately 4% of total body weight equivalent of fresh barley grass must be fed. Thus, for a goat/sheep, at least **2kg of hydroponic barley fodder to be fed per goat/sheep per day.**



Camel: Assuming the average weight of a Camel is 600kg. It is recommended that approximately 2% of total body weight equivalent of fresh corn grass must be fed. Thus, **for a camel, at least 12kg of hydroponic corn fodder to be fed per camel per day.**



Horse: Assuming that the average weight of a horse is 400kg. It is recommended that approximately 1% of body weight equivalent of fresh barley fodder must be fed to horses. Thus, **for a horse, approximately 4kg of hydroponic barley fodder must be fed to the horse per day.**

WHY CHOOSE AL ALIYO HYDROFARMS?

Our premium livestock fodder is the ideal solution for the following reasons:



No chemicals, fertilizers, pesticides or artificial nutrients in the growth process.



Grass grown under strictly monitored hygiene and sanitary protocol.



Use atmospheric condensers to generate water from the atmosphere.



Recycle excess water for further use.



Temperature-controlled with HVAC systems.



Seeds undergo a thorough cleansing process to eliminate dust, mud and other contaminants, reducing the possibility of colic and other gastrointestinal illnesses.



Regular testing of fodder mats to ensure consistent quality.



Premium healthy fodder available at an economical price compared to the commercially available dry fodder options in the market.




Ready-to-feed fodder mats delivered to the farms in temperature-controlled vans to help maintain the feeding routine of animals.







AL ALIYO HYDRO FARMS


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الشارقة الإمارات العربية المتحدة

