



Peter Burgess <peterbnyc@gmail.com>

Fwd: The market is moving towards non GMO plant based protein!

1 message

Mark Roest <markroest@gmail.com>

Thu, Nov 26, 2015 at 3:23 AM

To: Tim Foresman <foresman@earthparty.org>, Chris Richardson <rcr@rcresearch.us>, Peter Burgess <peterbNYC@gmail.com>

Dear Tim, Chris and Peter,

The star of this story is growing in the little outdoor pond cluster just before the hothouse at the San Mateo Ecovillage – AKA duckweed! It has little green, floating leaves, about 2 mm across. Brian told me it was nutritious (he likes to give some to the fish), but 65% protein?!? That's way more protein than Moringa oleifera, at about 37%.

Amazing.

Regards,

Mark

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From: **Laurel Hopwood** <lhopwood@roadrunner.com>

Date: Wed, Nov 25, 2015 at 12:38 PM

Subject: The market is moving towards non GMO plant based protein!

To: CONS-SPST-BIOTECH-FORUM@lists.sierraclub.org

The market is moving towards non GMO plant based protein!

laurel hopwood

http://www.foodnavigator-usa.com/Suppliers2/Parabel-to-open-commercial-farm-to-produce-LENTEIN-protein-in-Florida/?utm_source=newsletter_daily&utm_medium=email&utm_campaign=25-Nov-2015&c=ygEptU9e6c0OwjEhs4giBg%3D%3D&p2=

Parabel breaks ground on large scale commercial farm to produce LENTEIN plant protein in Florida
The water lentil: A tiny aquatic plant with big potential? The water lentil: A tiny aquatic plant with big potential?
(edited)

Parabel – a new entrant to the burgeoning plant-based protein market - has signed a lease for 450 acres of land in Fellsmere, Florida, where it plans to build a \$10m production facility for its water-lentil-based proteins.

The site – which will use a combination of patent granted and patent pending systems - will initially produce 1,000 metric tons of product per year, with production to increase to 4,000 metric tons, and is the first of several large-scale commercial sites in the pipeline, with others to follow in South America and East Africa.

Parabel CEO Anthony Tiarks said: “There are no other protein ingredients in the market that can deliver such volumes in a sustainable way and at the right price and we now have the right location to do this, and it’s in the USA.

“Sourcing fresh, non GMO ingredients is an issue that food manufacturers are struggling with today. We hope to be part of solving these issues.”

The first product on offer from Parabel is LENTEIN, a water lentil protein concentrate containing around 65% protein and a lot of micro and macronutrients.

A free-floating seed-producing micro aquatic plant that thrives in freshwater ponds, lagoons and wetlands, the

water lentil (also known as duckweed and Lemna/Lemnaceae), is arguably the “world's most nutritionally complete and sustainable food source”, claims Parabel.

The water lentil has obvious advantages over other plant protein sources in that it grows incredibly rapidly and can be harvested in raceways (open-air ponds similar to those in which algae is grown commercially – although the water lentil is not a type of algae) all year around, says the firm.

Marketing manager Cecilia Wittbjer said: “It has higher amino acid levels than any other plant protein, including soy. “People say it has a really nice mouthfeel, the protein is soluble, and has a foaming quality so it works well in beverages. But it can also be used in bars and snacks.

The water lentil is the world's smallest flowering plant, which reproduces itself in 24 hours so it can be harvested every day, which translates into the highest yield per hectare of any other crop...”

“We grow it in an aquafarm but we recycle 98% of the water, which means our water use is very low compared with other plant proteins.”

The world's smallest, free floating, flowering plant, the water lentil grows and reproduces faster than any other leafed plant. While it flowers, fruits and seeds, the water lentil has adapted to cloning as a favored means of reproduction - reproducing itself continuously.

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