AquaResins Introduction

AquaResins

Intro

AquaResins Introduction

- Aquaresins is a new US based company, part of FytoBooster USA LLC, introducing FytoFoam & FytoCell
- FytoBooster Netherlands is the patent holder and developer of the product
- FytoFoam and FytoCell are the two types of foam used in the Agricultural industry for the last 30 Years, and are now known under several different brand names in more that 40 countries worldwide.
- FytoBooster USA LLC is now introducing the products in the North American market.

The Origin

AquaResins Introduction

FytoFoam is a stable spongy substance, Produced from a water based Aminoplast Resin.
The result is a light weight foam that does have an enormous water absorption and air capacity.

Features

- ☑ Biodegradable
- ☑ Light weight
- ☑ Environmentally safe
- ☑ Not Hydrophobic
- ☑ Inert / Organic
- ☑ Water absorption up to 70% by volume
- ☑ Air (always at least 37% available for the roots)
- ☑ Increase of available nutrients. (macro & micro) at the roots

FytoFoam: is designed for Sod production, Sport fields and Golf courses

FytoCell: is designed or Food Production, Nurseries and plants in general

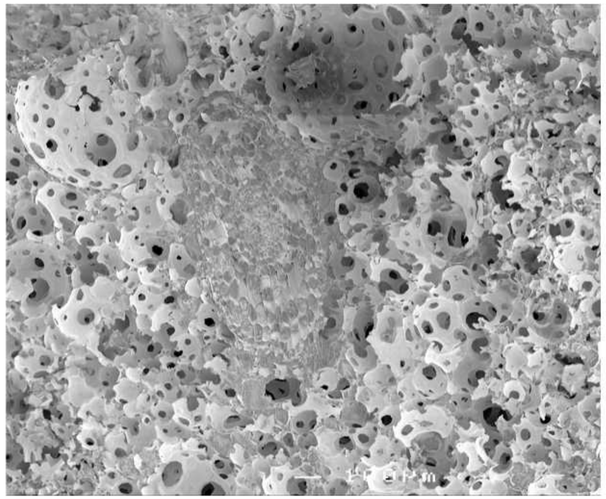
Technical

FytoFoam Technical

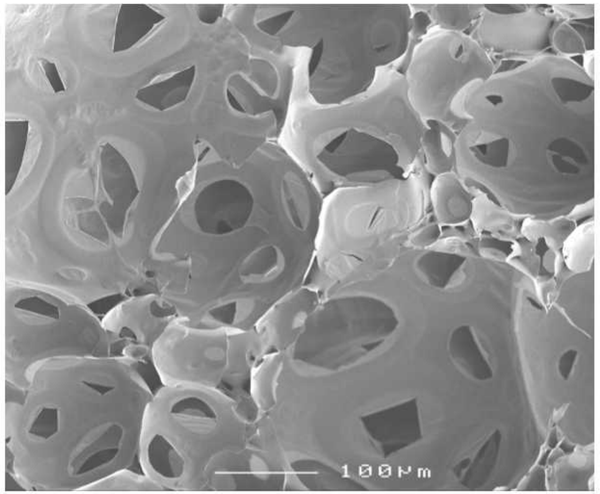
AquaResins

FytoFoam data

Apparent Density	(gr/cm3)	0.0025 gr/cm3
		0.001445 Oz/Cubic Inch
Total Porous Space	(% vol)	98.2 %
Solid Material	(% vol)	1.8 % Dry Sample
Aeration Capacity	(% vol)	30 to 35 %
Easily Available Water	(% vol)	65 to 70 %
Reserve water	(% vol)	50 %
Total Available Water	(% vol)	50 %
There is No Over Saturation of Water Possible		
Water Retention Capacity	(% vol)	50 %
Adsorption	7. Sec	in relation to size
pH in Aqueous suspension	(1-6 pH)	5-6 In RO water



Electro Microscope picture 10 uM



Electro Microscope picture 100 uM

Technical

How is FytoFoam made

AquaResins

The Process

- ☑ Resins & Hardener are mixed
- ☑ Chemical reaction started
- ☑ Blocks of solid Foam
- ☑ Shredder into flakes
- ☑ Or cut into shapes
- ☑ Mobile or Stationary setup

Technical

How is FytoFoam Applied

AquaResins

Applications & Benefits

- Plant Nurseries
- Sod production
- Hemp / Cannabis production
- Soil-less tomato/pepper production
- Hydroponics
- Irrigation savings up to 60%
- Nutrient savings
- Sterile conditions
- Production time savings

FytoFoam: The Results

AquaResins

The results in small applications are very obvious, plants of every kind are responding with increased growth and lower use of nutrients.

Micro and Macro Nutrients are now available at the roots at all times, without washout by new water supply.
FytoFoam/FytoCell will keep water / Air / Nutrients there where they are needed at the roots.

Applications & Benefits

- Plant Nurseries
- Sod production
- Hemp / Cannabis production
- Soil-less tomato/pepper production
- Hydroponics
- Irrigation savings up to 60%
- Nutrient savings
- Sterile conditions
- Production time savings

FytoCell Professional Results

AquaResins

The Netherlands is 273 times smaller than the USA

Still it is the second largest food producer in the world after the USA

Soilless culture

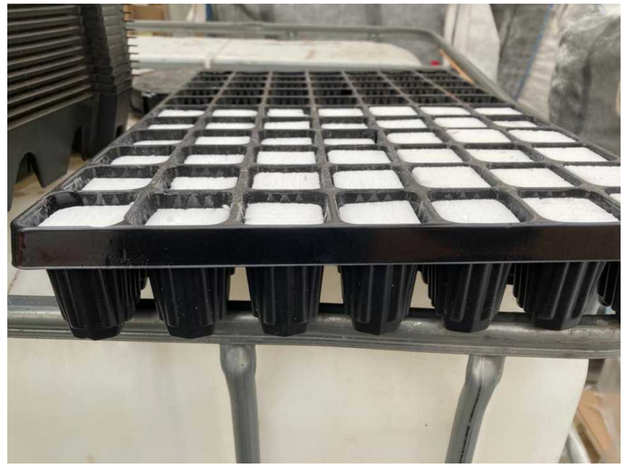
Proven Technology

FytoCell Plugs

AquaResins

Fyto Clones

- ☑ FytoCell used as base for cloning
- ☑ Uses less water and nutrients
- ☑ Grows faster
- ☑ Create a healthy start for production



FytoCell Professional Results

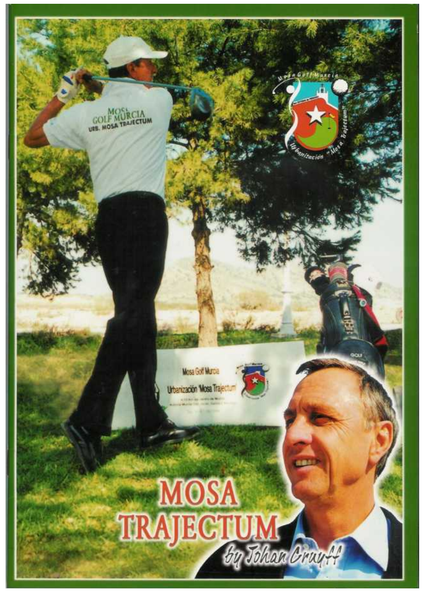
AquaResins

60% less water consumption
Equal or more efficient nutrient use

FytoFoam Professional Results

AquaResins

18 Hole Golf course Abu Dabi 1999



FytoFoam in Golf courses

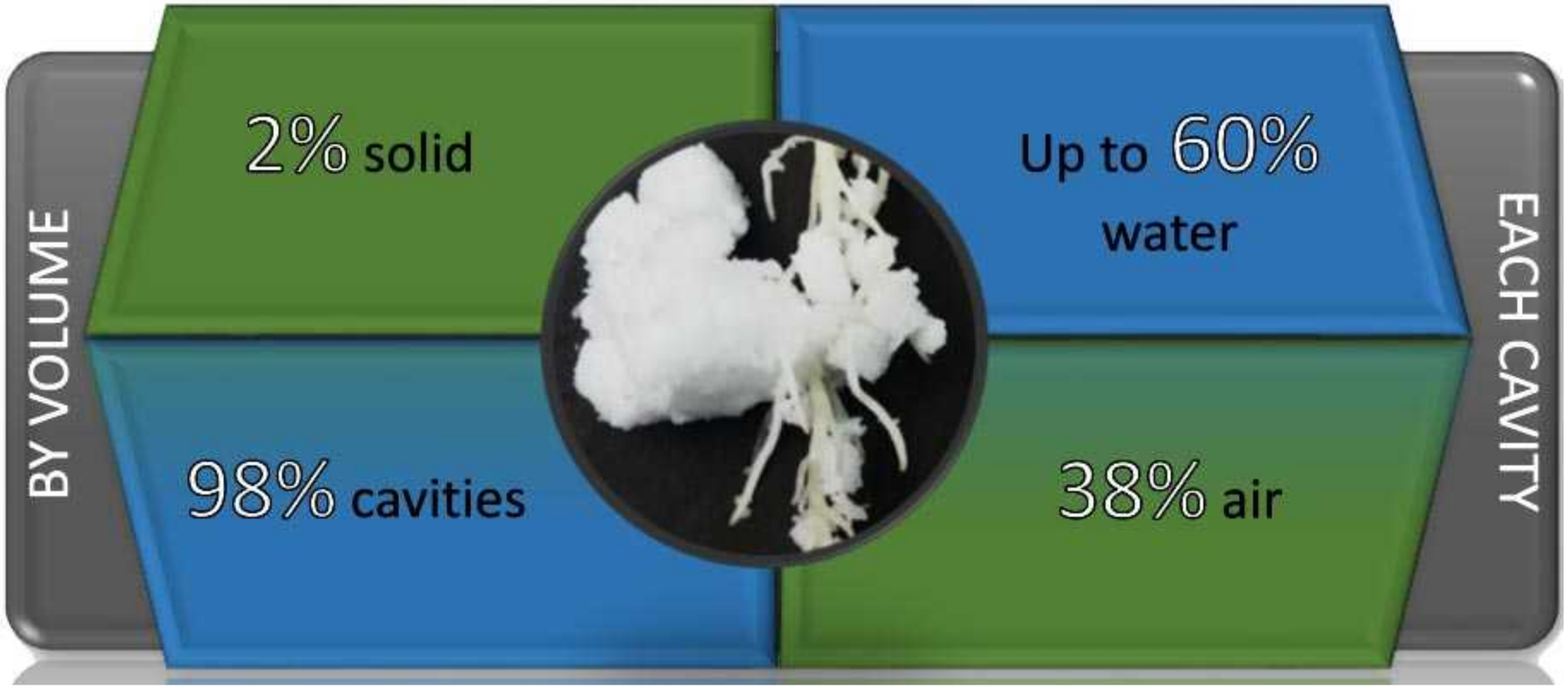
- ☑ 50% + water savings
- ☑ Nutrient savings
- ☑ Runoff controll
- ☑ Half the water Double the green

Environmental quality with Benefits !!

Proven Technology

FytoFoam

AquaResins



Technical

Testing FytoFoam & FytoCell

Testing is done in many Industries to collect data, and calculate the benefits.
After 30 years experience we can say that FytoFoam/Cell will never disappoint.

References for FytoFoam products

AquaResins

Test result Soccer fields Netherlands 2000-2008

In 2000 the first field of 40 fields was redone according to the German regulations DIN 18035
1 cm AgriFoam was added on top of the field and rotated into the top layer down to 4 cm.

Visual results:

The roots where fully developed in 3 months, as if the root system was more than 10 months matured.
Considerably less fertilizers are used and 50% less irrigation water was used due to the water holding capacity of the foam
Al the fields, after the first season are in perfect shape, and do not show any need for repairs.
There is a minimum of 50% water savings achieved and 25% less fertilizers are used on all treated fields.
Reference Gramefo ZH attn: Mr John Hendriks

FIFA

NOC*NSF

Sport-field constructions are used intensive under very different (climatic) circumstances and all over the year. Despite the circumstances playability should be guaranteed in most situations and the construction should show good durability and regeneration capacity.
AgriFoam was introduced in 2004 and aimed for better permeability to avoid compaction of the fields, and increasing the buffer capacity of water in order to reduce the need for irrigation and use of nutrients.

The institute for Sport accommodations of the NOC/NSF states that these aspects have shown to be real in trial and in practice

References for Aquaresins FytoFoam products

AquaResins

Test result Golf course Murcia Spain

July 2000 the new project was started in Murcia Spain, where AgriFoam was introduced as test for the Pitch & Puttcourse and Driving range. The experience with FytoFoam during the very hot summer took all our sepsis away about the claimed benefits of FytoFoam, and we continued to use the product on all 27 holes. *“in all honesty we may conclude that thanks to FytoFoam we kept our golf-courses in a perfect condition”*.
If you have any questions concerning our positive experience with FytoFoam, please do not hesitate to contact us.

Peter Hoogcarspel
Director Friends Of Golf Group

Test result Abu Dhabi Golf Course

FytoFoam soil amendment: during September 1998 an area was shaped and prepared for grassing as a golf course tee using pure dune-sand as the material. FytoFoam was mixed into sand using a rotary harrow to a depth of 15cm until there was a 80% sand and 20% FytoFoam mixture achieved. The golf tee was planted with Bermuda grass stolons, and irrigated until the roots where established. The irrigation quantity was gradually reduced to 50% of the volume added to all other areas. Over the period of the next year the watering regime was maintained, and the test area did not show any adverse effects or drought stress due to the reduction in water and compared well with the surrounding areas.
Based on the above FytoFoam can be recommended for use where high rates of evaporation permeable soils and water conservation are a major concern.

Martin Champion
Golf Course Construction Manager

ABU DHABI GOLF CLUB

AquaResins Introduction

AquaResins

AquaResins Ready for the USA, Canada and Mexico