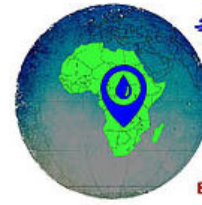


Chris  
Wilkinson



Trading as:

**African Nursery Supplies**



**Aqualock  
Africa**

Empowering the people of Africa  
to grow FOOD for AFRICA

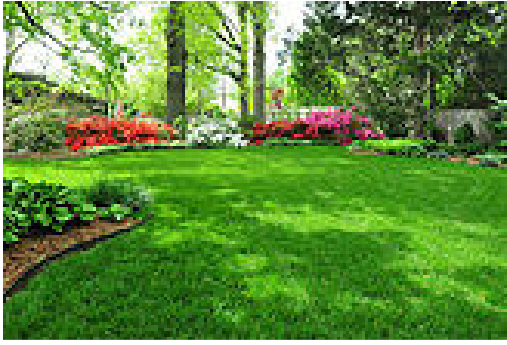
- Aqualock looks like sugar or salt. Turns to gel when water is added
- Holds on to water to keep it where plants can access it.
- Even in severe drought conditions.
- Can absorb up to 600 times its own weight in water.
- Water is released to the plant, tree or grass at the root.
- Environmentally friendly, non-toxic and biodegradable.
- Long lasting, with a lifespan of up to two years.
- Contains Potassium - Plant Root Food. 40-70% Water saving
- 30% + Increased yield in fruit & crops
- Water-soluble nutrients stored
- Seeds protected from rot & disease
- Reduce fertilizer wastage by 50%
- Long lasting - 1.5 to 2-year active lifespan
- Easy application
- Biodegrades into plant food
- Safe - Non-toxic for humans & animals
- Cooling of roots
- Nutrient-rich water in the plant root zone

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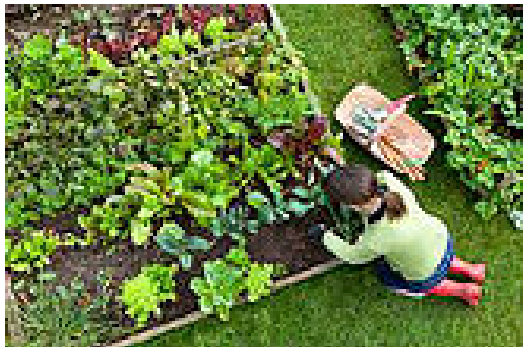


## Where is Aqualock used?

Grass: Golf courses, Sports fields, School playgrounds, Parks, Domestic home use



Agriculture: Food crops, Plant growers, Nurseries, Home flower beds, Seed Germination



Tree: Fruit orchards, Vineyards, Forestry, Plantations



Fresh water is getting scarcer. We need to find better ways of using it. **More carefully.**

Aqualock water saving Crystal Technology helps

Also increases expected yields. **Worldwide.**

Here are some "success" stories from around the world:

- Maize farming in USA & Mexico
- Coconut milk yields increased from 800 000 Lt to 1.3 Mil Lt in India
- Potatoes & melons grown in Cape Verde, Africa increased yield by more than 70%

- Apples in Shandong
- Lychee & pineapple in Guangxi
- Transplanting of trees for the replacement of forests
- Sports fields all over the world

Ave Golf course 18 hole	300 000m <sup>2</sup> maintained	60 x 25Kg bags
Schools with 3 fields	30 000 m <sup>2</sup>	6 x 25Kg bags
100 med trees	100 x 25g	1 x 25Kg
Small veg farm	40 000m <sup>2</sup>	4 x 25Kg
potting soil	1m <sup>3</sup> or 1 ton	400-500g
Home Garden 500m <sup>2</sup>	500 x 10g	5Kg

<b>Application</b>	<b>Volume Aqualock</b>	<b>Coverage</b>
Grass Existing	25KG	5 000 / sqm
Grass New	25KG	2 500 / sqm
General Agri	15 - 30KG (80 - 100mm)	10 000 / sqm
General Agri	30 - 50KG (150 - 200mm)	10 000 / sqm
Trees small	10 - 20g	per tree
Trees med	20 - 30g	per tree
Tree Large	40 - 60g	per tree

An overview of different applications.of Aqualock

### **New Lawn / Turf**

When laying a new lawn from sod or seed, add 20g of Aqualock per square meter. This can be done manually or machine mixed.

### **Established Lawn**

This is a labour intensive exercise. Dethatch the lawn and rake out all the dead stuff. Plug cut or hollow tine. Mix 500-800g of Aqualock per cubic meter of topsoil or lawn dressing. Spread evenly and rake into plug holes to make a mini-reservoir of food and water.



## **Home Vegetable or Flower Garden**

It is very simple to apply Aqualock to home gardens and veggie patches. It is easiest to apply before planting seedlings. If you have an established garden, you may need to remove the plants first. Mix in the Aqualock at 5g per square meter before planting or replanting.

## **Veggie Farming**

Before planting the next seasons seedlings, rotavate or tiller Aqualock into the ground. 15-30Kg per hectare if you are tilling between 80-100mm deep. 30-50kg per hectare if you are tilling between 150-200mm deep. A 30% plus growth in yield can be expected.

## **Tunnel or Green House**

Adding Aqualock to Tunnels or Greenhouses will make it even more waterwise. Aqualock encapsulates water. Plants are not lying in waterlogged ground where they can get root rot or other diseases. Water is only released to the plant when it drinks. Aqualock is a 100% pure potassium based product which will biodegrade into root food.

## **Individual Tree Planting**

A tree's chances of survival improve by 50-70% when using Aqualock around the roots. Or mixed into the soil around the root zone.

## **Existing Trees or Orchards**

Dig down to the root zone. Mix 10g Aqualock crystals for a small tree. 20g for a medium size tree. 30g for a standard fruit bearing sized tree with between 3 and 5 liters of water. Apply around the root zone. Cover the opening with soil and water the tree.

## **Aqualock in Silviculture**

In the replanting of forests Aqualock will reduce the need to water. Or rely on infrequent rain. The addition of Aqualock will reduce the rate of saplings dying from lack of water by up to 50%

