



**GREKKON LIMITED**  
*Irrigating Your Farm To Life*

**COMPANY PROFILE**



## WHO WE ARE

Grekkon Limited Irrigation Hub is a Kenyan Agri-business firm that was established in 2013.

Its main focus is to offer African farmers' with solutions pertaining irrigation, greenhouse, borehole drilling, dam lining and irrigation water pumping needs.

## MISSION

To work with growers to create long lasting Agricultural solutions.

## VISION

To be a reliable source of Agricultural technologies in Africa.

## CORE VALUES

- OPEN MINDEDNESS
- LOYALTY
- RELIABILITY
- COMMITMENT
- MOTIVATION
- INNOVATION



# DRIP IRRIGATION SYSTEMS

## DRIP ROLL TYPES

15 cm

20 cm

30 cm

All our drips are double emitters

VEGETABLE DRIP  
IRRIGATION



BUTTON DRIP  
IRRIGATION

## SYSTEM TYPE

One dripline

Two driplines

Three driplines





## SPRINKLERS



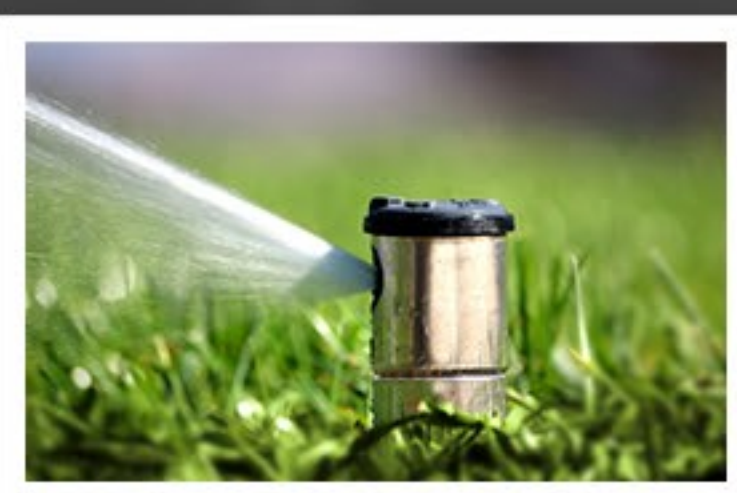
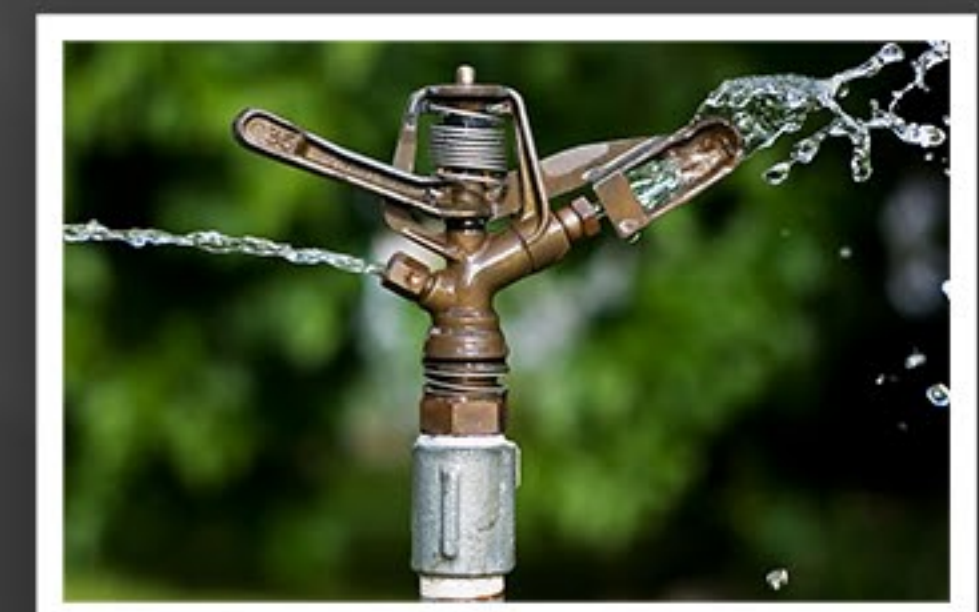
### Rainguns

Rain gun sprinklers are high pressure, high volume water sprinklers used on diverse crops. We supply them as 1", 1.5", 2", and 2.5" brass and steel units with a life time of 50 years. Before installing any rain gun sprinkler, we assist the grower in determining his/ her water sufficiency, and supplying the appropriate pump to power the sprinkler unit.



### Impact Sprinklers

Our plastic or brass sprinklers are designed to work under low gravity and high pressure water flow. Water discharge rate, optimum working pressure and spray radius is determined by the nozzle size, for which we have; 1/2", 3/4" and 1".



### Pop Up Sprinklers

Pop-up sprinklers are set below ground level to water lawns and golf courses. As the name suggests, they are pushed up by water under high pressure and rotate 360 degrees for over a timed period. Grekko Limited's pop up sprinklers are available as; 1/2" and 3/4".



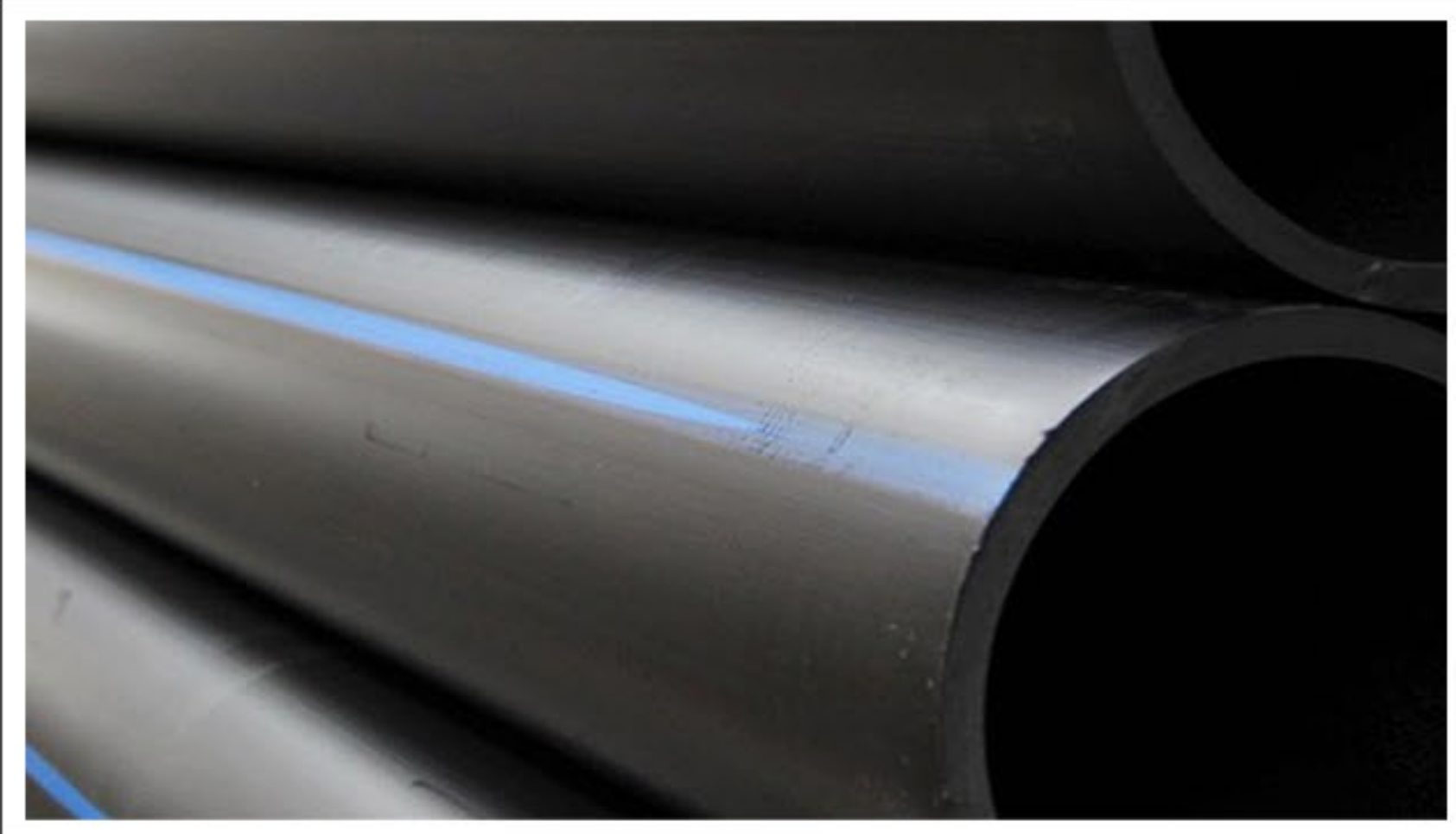
## RAIN HOSE IRRIGATION

Rain hose is a high pressure irrigation system utilising nano technology. It is flexible HDPE hose with a pattern of sequential holes punctured along its width. Puncturing of these holes using nano technology ensures uniformity of emission. It works well in crop nurseries, low lying vegetable crops and in crops that cannot be drip irrigated such as carrot.



# IRRIGATION PIPES

PVC Pipes



HDPE Pipes

Delivery Pipes



Suction Pipes



# IRRIGATION FITTINGS



HDPE Fittings



PVC Fittings



HDPE Drip Fittings

Drip Fittings





## DAM LINERS



Our UV treated black dam liners are manufactured for tropical climates which experience extra ordinary radiation throughout the year. They are used to line the walls and floors of water reservoirs to prevent water loss through sipage into the soil. With changing rainfall patterns and unpredictable seasons increasingly becoming a norm in Africa, the need for agriculture water conservation is growing amongst farmers.

We factory weld our dam liners which keeps them leak proof during their entire lifetime of use. Leaking is a common occurence with manually welded geomembrane and we only allow it where it is impractical to factory weld.





# AGRICULTURAL NETS



## Bird Nets

Bird nets are designed to keep off bird pests in the farm. They are used to protect crop, poultry and fish or other aquatic ventures that are prone to bird pest attack. Grekkon limited's bird nets are spread as a cover over crop, a fish pond or poultry rearing place. Alternatively, it is also erected on the sides particularly for crops and poultry. It allows insect pollination for the crop while preventing bird pest attacks.



## Insect Nets

Insect nets are designed to protect the crop from insect pests. They are usually white in color to reflect plenty of light which in itself is an insect repellent. Grekkon Limited's insect nets are supplied as 30M x 5.5M or 50M x 30M and a grower decides the most fitting option based on the dimensions of the structure.

Our pore sizes are 9mm squared and 4mm squared. The latter one is ideal for crops prone to attacks from very fine insects such as whiteflies.



## Shade Nets (Tea Shadehouse)

Shade nets as the term suggests provide a cover to protect crops from excess heat and light. Grekkon Limited's shade nets are made to provide varying degrees of shade to the crop. These are; 30%, 55%, 75% and 90% shade cover.

The degree of shade is determined by the crop type, stage of growth, and altitude of the location.



## GREEN HOUSES



Our galvanised steel greenhouse structures are made to withstand strong winds and storms. Every structure is tailored to the farmer's specific need according to crop type or climatic zone.

### Greenhouse and nursery misting/fogging system



A misting system is a series of misting nozzles placed in a tube and pressurized to provide a fine spray consisting of water droplets to reduce the temperature in the greenhouse or seedling nursery

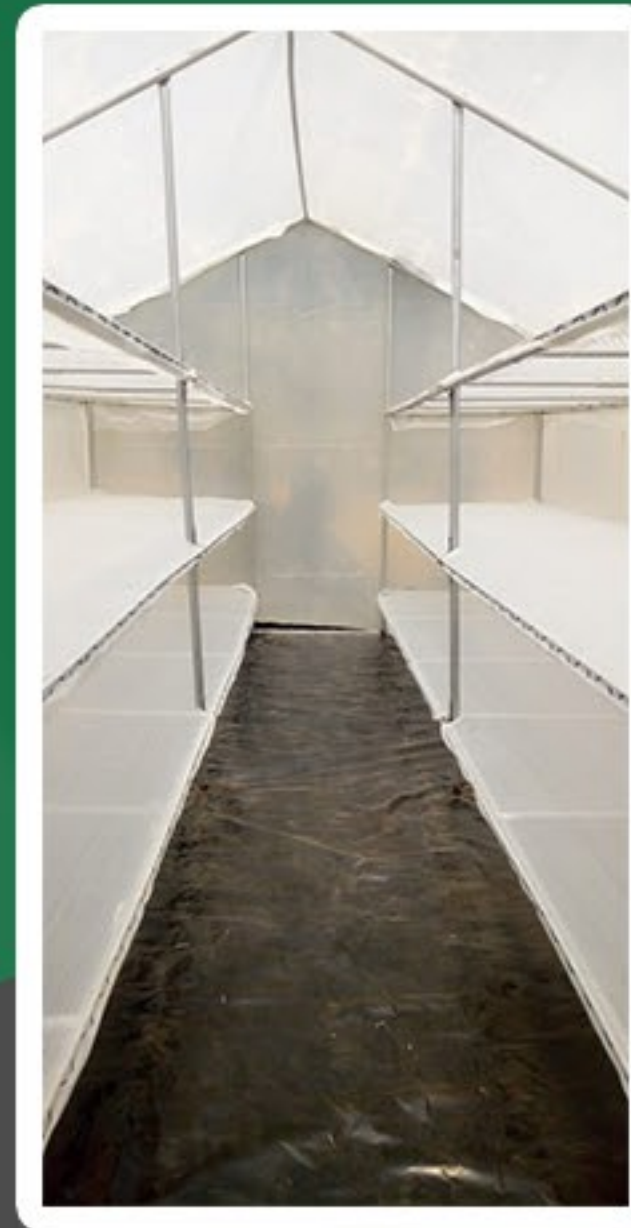


### Venturi Injector System

Venturi injectors are commonly employed for fertigation purposes in agriculture, in which they draw fertilizer from a tank into the irrigation pipeline.



## SOLAR DRYERS



Our natural solar drying system utilizes sunshine to heat up air that dries food product in it. It is an easy way to add value to food crops and meat which is beneficial in reducing wastage of excess agriculture production. Open air drying faces many challenges such as; degradation of food value by ultra violet rays (UV), susceptibility to insect pests and rodents, and dirt contamination. Grekkon Limited's solar dryers are constructed on location.

## HAY GROVES



Used for:

Short Crops i) Strawberry

ii) Herbs e.g mint, lemon grass

Fish Farming

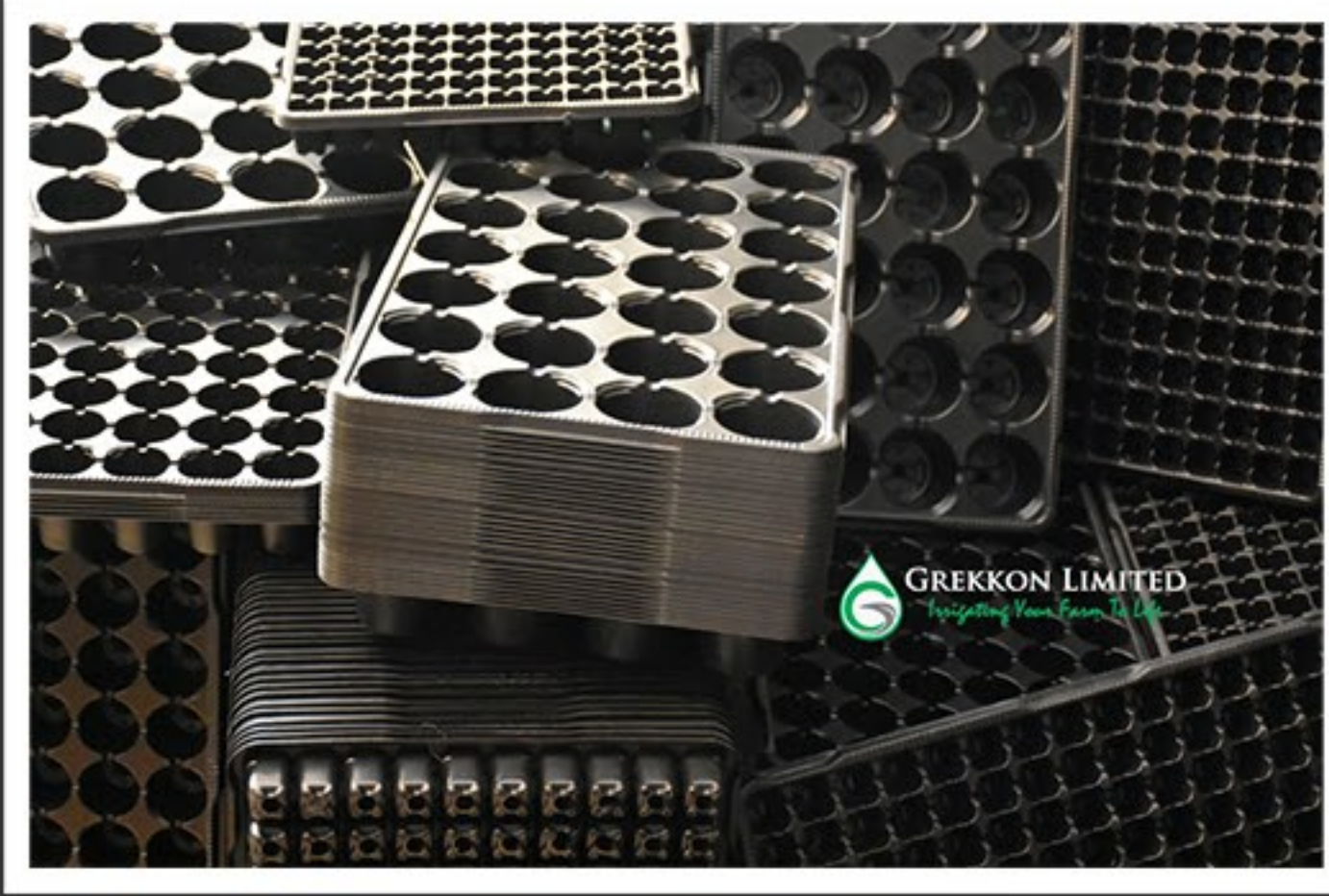
## PLASTIC MULCH

Used for growing crops in the open field or in the greenhouse. Mulch is an effective way of water conservation, weed suppression and raising soil temperature.





## SEEDLING TRAYS



A GOOD PLANT STARTS WITH A HEALTHY SEEDLING!!  
Seedling trays and planting media offer the following benefits compared to traditional nurseries:

- 99%-100% of the seedlings are transplanted
  - every seedling is easily accounted for
  - pest and disease management is easy

## COCO PEAT



Soils that have been used for crop production over many years harbor pest and diseases that easily attack tender seedlings. The use of sanitized seedling trays and planting media shield your crop at this highly susceptible stage from this pestilence.

## SILAGE BAGS



Grekkon Limited's silage bags feature specific UV treatment. Our polythene silage bags are white on black and black on black. We provide dairy livestock specific made airtight silage paper. These silage bags are for both indoor and outdoor storage of silage material.



# BOREHOLE DRILLING



Our borehole drilling services are offered as a package that has the following in it.

**Mobilisation.** This is the movement of the rig, equipment and labor to the site where the well is to be drilled

**Borehole drilling.** This is the actual process of sinking a well in the ground in order to obtain water. The depth of sinking depends on the reading of the hydro-geological survey report. This report states the depth, amount of water expected and the geological structure of the soil and rock underneath. The normal size of the borehole is 8 inches in diameter, but the surface section is 10 inches.

**Casing.** We line the walls of the borehole with mild steel casings to keep the wall from collapsing through out the lifetime of the borehole. Continuous steel casing are used all over except where the aquifer(s) is located, where in this case we use slotted casings to allow for water percolation into the drilled well.

**Graveling.** It is the application of gravel sand between the borehole walls and the mild steel casings. Gravel filters soil and other impurities, and keeps the casings firmly in position.





# WATER PUMPS

## Electric Booster Pumps

These are small inexpensive pumps powered by an AC electric current to pump low water volumes. Booster pumps are used to irrigate small fields or for domestic water use. It is placed on the surface.



## Generator Pumps

Generator pumps are the most common pumps used in Kenya by large, medium and small holder farmers. This is because they are easy to move about, are inexpensive and common in many outlets.

## Solar Surface Pumps

Grekkon Limited's surface solar pumps use an electric current generated from a series of solar panels. They are low pressure, low volume pumps that are used to pump water from shallow wells or rivers. Our surface solar water pumps are single-phase pumps because they use low power.



## Electric Submersible Pumps

Our submersible electric water pumps are powered from the power grid. We have a choice of submersible electric pumps that pump from within the water. These type of water pumps deliver water from deep wells and boreholes.

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# PARTNERS



Grekkon Limited is a member of the Kenya National Chamber of Commerce and Industrialization



## AWARDS



GREKKON LIMITED

Most Preferred IRRIGATION SYSTEMS company of the year

**2019 WINNER**

GREKKON LIMITED

Most Preferred GREENHOUSE SYSTEMS company of the year

**2019 1ST RUNNERS UP**

## CONTACT US

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