

ESG

We are committed to advancing Global Sustainable Development Goals through implementation of our ESG strategy. We monitor this through three key metrics.



Measuring Impact

Our reporting is tracked through both qualitative and quantitative metrics affirming the effectiveness of our sustainability initiatives.



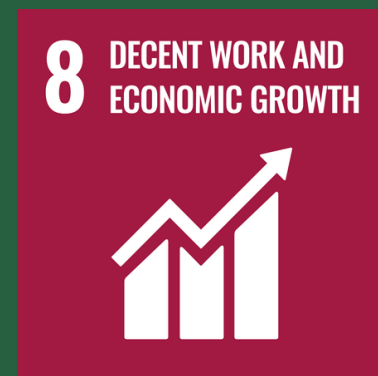
Collaborative Success

We continue to pursue strategic collaborations with key partners to expand our influence, contributing to the overall success in advancing the Sustainable Development Goals.



Continued Commitment

While celebrating achievements, we recognize ongoing challenges and reiterate our enduring commitment to shaping a sustainable and equitable future.



AFFORDABLE & CLEAN ENERGY

RIFT VALLEY ROSES FLOATING SOLAR PROJECT

Powering a safer future through renewable energy



Benefits:

- Clean and renewable energy
- Lower energy costs (50% of energy used during the day is solar powered)
- Reduction in carbon footprint

Power Generation and Output

- Total Output: 144 KWP

Projected Power Generation
522 Kwh per day
15875 Kwh average per month
190510 Kwh per year

Standard baseline index for carbon emission in Kenya is 0.487
Annual total amount of carbon emissions saved will be 92.8 tons

The floating solar system has a guarantee of 25 years so over this period, RVR should save 2,320 tons of carbon emissions

Water Management



About 70% of the world's fresh water consumption goes to agriculture. Groundwater depletion and pollution is a global sustainability concern worsened by far greater threat of climate change, marked by more frequent and intense hydrologic extremes, poses a threat to groundwater recharge.

At Rift Valley Roses, we have invested in harvesting and storage of rainwater from greenhouse roofs and surface runoff stored in 8 reservoirs with a total capacity of 350,000 M3

Solid waste Management



Rift Valley Roses segregates waste at source.

Metal waste is recycled to make structures and fix implements. Small pieces of metals are sold to scrap metal dealers

Organic waste from kitchen is used to produce biogas. Waste flower stems is shredded and composted into compost manure and is used back in the farm to improve soil structure

Plastic waste such as plastic polyethene is re-used in patching torn/wind-blown plastic polythene covers in the greenhouses.

Hazardous waste such as fertilizer bags and empty chemical containers are collected by NEMA approved and certified Environmental Consultants and Combustion (ECC) for disposal

Liquid waste Management



Sources of effluents at Rift Valley Roses include Canteen, Central Spray Unit (CSU), central Fertigation Unit (CFU) , PPEs & Car washing units.

The farm has invested in a hybrid waste water treatment wetland system that is designed and built with open ponds that allow treatment and stabilization of the effluents by UV light from the sun

Construction of a waste water treatment system (wetland) in progress

Environmental Conservation

Rift Valley Roses has a summary code of practice that adheres to and supports environmental sustainability, conserve biodiversity and prevent ecological overshoot. i.e.

- Conduct statutory environmental audits and continuous environmental self-audits
- Comply with all Environmental legislations
- Establish operational controls to minimize negative environmental impacts
- Training our employees

3.1 Biodiversity

RVR is committed to minimize ecological impact of rose farming on wildlife and land.

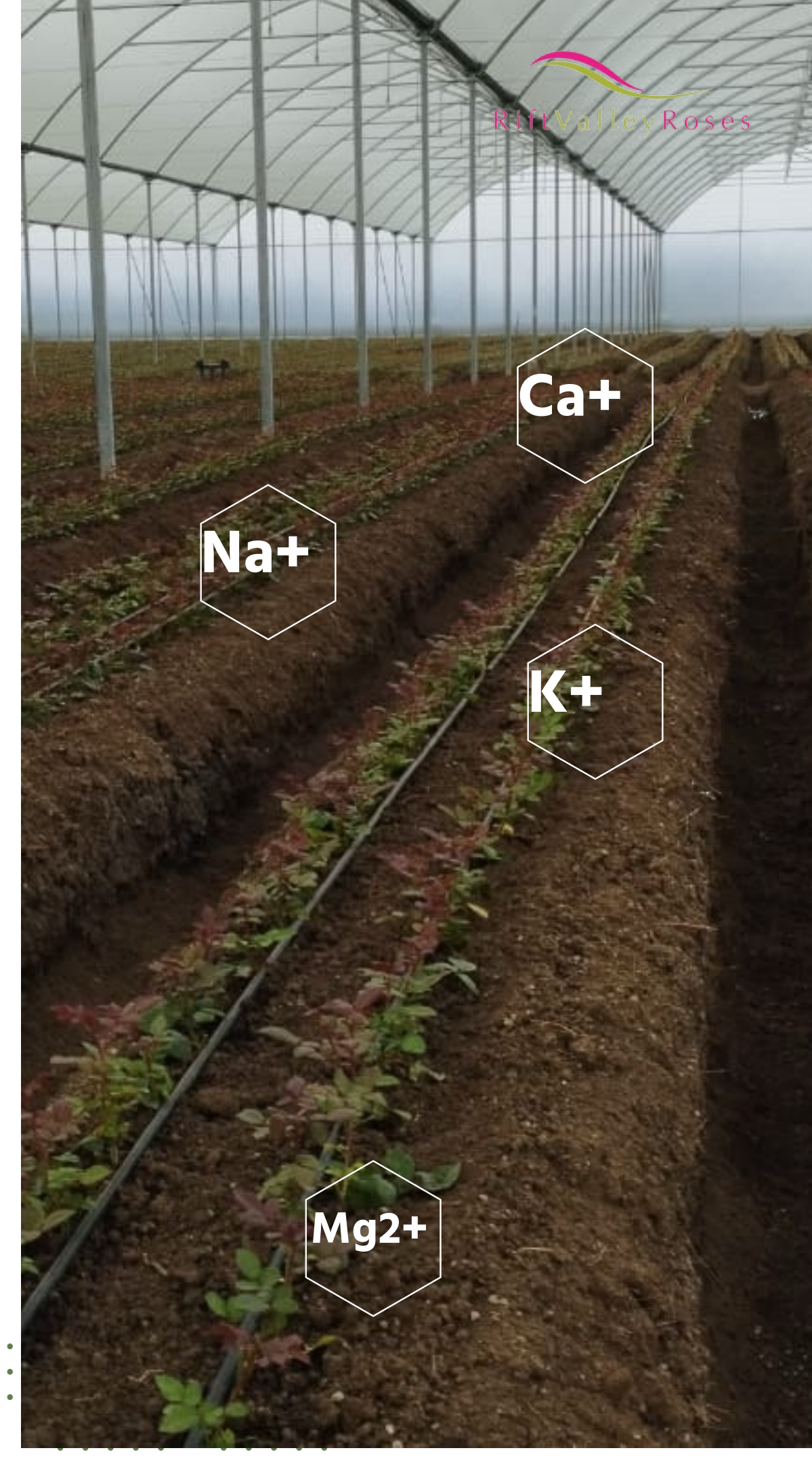
RVR enhances the surrounding ecosystem's health and preserve as much existing land as possible e.g. Tilapia fish in all Water storage reservoirs, Indigenous trees such as red cedar and African olive, birds, mammals such as bush bucks, Columbus monkeys

3.2 Tree Planting

Rift Valley Roses has incorporated tree planting initiative in its ESG strategy as a duty to enhance sustainable development goal on climate action (13)



Good Agricultural Practices (G.A.P)



Fertilisation Plan

- Aqua-checks soil moisture and temperature probes - ensure efficient application of fertilizers into the soil
- Soil suction tubes - Helps optimize & efficiently feed nutrients to the crop
- NMC system - ensure precision in fertigation process



Crop Protection Plan

- Biological control agents - control of P & Ds using predators entomopathogenic microorganisms, pheromone lures and mass trapping
- Cultural practices & habitat manipulation preventive practices - removal of dead woods, dry leaves, hosing of path ways, pruning and reduction of foliage to reduce favourable microclimatic conditions, opening & closing of side curtains appropriately



Soil Management Plan

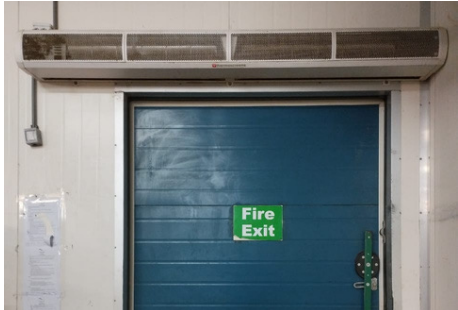
- Soil structure - 250m³/Ha of medium size pumice and 135 m³/Ha of cow manure into 30-40cm
- Rose compost & Fermented Organic fertilizer - applied twice a year, 80 M³/ha & 3.5 tonnes/ha respectively



Net Zero Carbon Footprint Initiatives

At Rift Valley Roses we aim to apply the technology to help conserve and manage energy use Equally we adhere to fully implement recommendations from statutory recommendations and aim to advance green energy initiative. These include developing and empowering an internal energy committee and training staff on energy saving skills

Net Zero Task	Results
Energy efficiency	<ul style="list-style-type: none"> • LED lights installation • VSD on water & chemical pump motors • Power correction bank & modernized distribution board • Air curtains at cold stores • Low GWP refrigerants
Renewable & Clean Energy	<ul style="list-style-type: none"> • 2 Solar PV Plants (rooftop & floating) • Biogas system
Sustainable travel practices	<ul style="list-style-type: none"> • Car-share practice • Walk and cycling to work practice
Reduce, Reuse, Recycle	<ul style="list-style-type: none"> • Compost • Greenhouse plastics used in patching, covering compost
Green Supply Chain Management	<ul style="list-style-type: none"> • Biodegradable packaging boxes (EAPI) • Transport & logistics (Kunhe & Nagel)



Partnership For Goals (Q1 2024 CSR Projects)



Issuance of Sanitary towels & Menstrual health training to 3 primary schools



National Environment Management Authority

WORLD ENVIRONMENT DAY 2024

Theme: Accelerating Land restoration, Desertification, and Drought Resilience

5TH JUNE 2024 CLEANUP EXERCISE IN NAIVASHA'S COUNTY COUNCIL ESTATE

8TH JUNE 2024 TREE PLANTING EVENT AT EBURRU FOREST



3 Classrooms blocks NYS Primary



Global Youth Forum (Football For SDGs)



90 Desks to North Karati Primary sch



Partnering with NEMA for tree planting



Painting & Ceiling Classrooms at Gatamaiyo Secondary School



Water Tank & Piping at North Karati High sch



Partnership with Naivasha Rotary Club for a fun day dubbed Sunshine rally an event that celebrates differently abled children within the rift region

