

SEPTEMBER - OCTOBER 2024

# HortiNews

Growing Ideas

NO. 73 KSH 300

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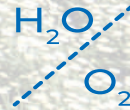
Application:  
**DISINFECT**

## Huwa-San ADVANCED WATER HYGIENE

### Proven efficacy against biofilm in your irrigation system



Superior stability



No harmful residuals



Advanced water hygiene



No-rinse surface disinfection



Oxygen-rich water



Horticulture

Huwa-San TR-50 is distributed by:

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A Unifert Company

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Warehouse No. 1, Sunflag Industrial Park, Mombasa Road, Nairobi.

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# Secure your yield and crop quality with Huwa-San TR-50

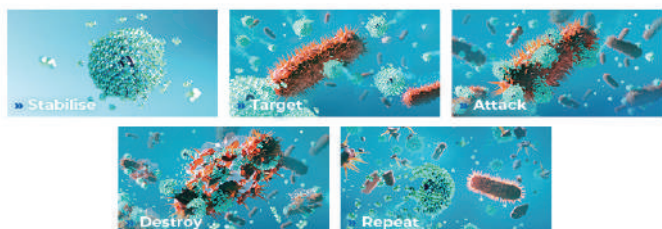
**H**uwa-San TR-50 is a unique biodegradable disinfectant that meets the highest global disinfection standards for bactericides, fungicides and virucides. This powerful and high-quality disinfectant is stable and broadly applicable in agriculture (horticulture, livestock, post-harvest), medical sector, and industrial applications.

Huwa-San TR-50 is the original and most advanced silver stabilised hydrogen peroxide (49,9% w/w H<sub>2</sub>O<sub>2</sub>). This environmentally sound, active substance is a very strong biodegradable oxidiser, which degrades to just oxygen and water post disinfection, leaving no harmful residuals.



The powerful, oxidising effect of Huwa-San TR-50 causes a severe detrimental effect on pathogens.

## The Huwa-San Mode of Action is as follows:



- Thanks to its unique and **stabilised** formulation, Huwa-San TR-50 is able to target unwanted micro-organisms in a very efficient way.
- Hydroxyl radicals are formed** when Huwa-San

comes in contact with micro-organisms.

- These radicals are very aggressive molecules that will **attack vital parts** of the pathogens, crossing the membrane and **physically destroying the micro-organisms**.
- The remaining hydrogen peroxide molecules are kept **stable** in the solution and are directed towards any other micro-organisms present. This highly efficient, biocidal working mechanism **takes place repeatedly**.

## Huwa-San TR-50 is well suited for:

 <p><b>WATER TREATMENT</b></p> <ul style="list-style-type: none"> <li>Treatment of the entire watering system: drip line systems, irrigation systems, spray systems, silos, hydroculture, gutters, etc.</li> <li>Prevention and treatment of biofilm and blockages.</li> </ul>	 <p><b>SURFACE TREATMENT</b></p> <ul style="list-style-type: none"> <li>Disinfection of surfaces, tools and equipment, such as knives, forks.</li> <li>Disinfection of materials by immersion.</li> </ul>	 <p><b>NEBULISATION</b></p> <ul style="list-style-type: none"> <li>Disinfection of empty rooms, walls &amp; floors by fogging.</li> </ul>
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## Huwa-San TR-50 benefits

- Prevents the spread of pathogens
- Biodegradable\*, splits in water and oxygen
- Removes and prevents biofilm
- Free of chlorine and alcohol
- Long lasting and controlled effect in the irrigation system
- Quickly and easily measurable

\*Ecocert: product suitable for use in Organic Farming in accordance with regulations (EU) No 2018/848 and 2021/1165. Control ECOCERT F-32600

## Most common diseases successfully treated with Huwa-San TR-50\*:

Powdery Mildew, *Phytophthora*, *Botrytis*, *Agrobacterium*, *Xanthomonas*, *Erwinia*, *Pythium*, *Clavibacter*, *Fusarium*, Cucumber Green Mottle Mosaic Virus, Tomato Brown Rugose Fruit Virus, Pepino Mosaic Virus, and more.

\*Huwa-San TR-50 is a biocide and subject to certain laws and regulations per country. Please contact Roam Technology for more information on registrations and approved applications for your country.

## Case studies (Scan QR code to view)



Fighting *Botrytis cinerea* – Strawberry Farm Poland



Green houseplant in the Netherlands



Cultivate Flourishing Excellence – Flower Farms in Kenya



Fighting *Phytophthora* spp. and *Sphaceloma perseae* – Avocado Farm Guatemala

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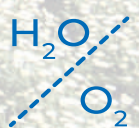
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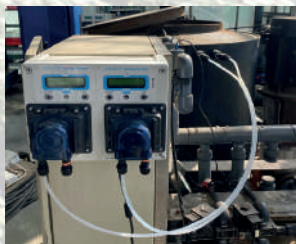
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# CONTENTS



**Rising demand for CRYPTEX® SC solution® to combat false codling moth P. 6**



**P. 18  
Elgon Kenya installs Paper Sleeve making machine**



**Redlands Roses FCM free zone P. 10**



**Kenya roses on red alert: Clement Tulezi speaks P. 15**



**The Kantaria Agricultural Technology Innovation Centre (KATIC) P. 24**

**P17 Chrysal Africa long haul flower storage**

**P.20 Potato farmers field day at Fresh Crop Limited: A step toward agricultural excellence**

**P 23 Pictorial**

**Pg. 27 Directory**




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## HORTISPOT



A notorious pest known for its destructive impact on a variety of crops, FCM has become an industry nightmare. The pest's larvae feed on the fruit and flowers, leading to significant damage and rendering produce unfit for export.

Catherine Riungu

# Collaboration in managing the false codling moth commendable

Kenya's flower sector, renowned for its vibrant roses that grace bouquets across Europe, faces a critical juncture due to the mounting challenge posed by the False Codling Moth (FCM). The European Union, in response to an increase in FCM incidents, has escalated its scrutiny of Kenyan flower shipments from 10% to 25%. This policy shift underscores the gravity of the pest problem and its potential to undermine Kenya's lucrative floral export market.

A notorious pest known for its destructive impact on a variety of crops, FCM has become an industry nightmare. The pest's larvae feed on the fruit and flowers, leading to significant damage and rendering produce unfit for export.

Kenya's response to this challenge has been proactive and commendable. In an effort to reassure the EU of commitment to pest management, stakeholders have implemented a comprehensive system designed to pacify the pest, including enhanced monitoring, improved pest control measures, and increased investment in research and development. The aim is not only to meet EU regulations but to exceed them, demonstrating Kenya's dedication to quality and reliability in its floral exports.

The establishment of robust pest management systems is crucial for several reasons. Firstly, it helps maintain Kenya's reputation as a leading exporter of high-quality flowers. The EU market is highly competitive, and maintaining consumer trust is essential for sustaining market share. Secondly, effective pest management reduces the risk of further regulatory restrictions that could jeopardize the entire sector. By proactively addressing the FCM issue, Kenya can safeguard its access to key markets and prevent potential economic losses.

However, the responsibility for managing pest issues does not rest solely on the shoulders of Kenyan growers. Collaboration between the Kenyan government, industry stakeholders, and international partners is vital. The government can play a crucial role by providing support for research initiatives, facilitating access to advanced pest control technologies, and negotiating with the EU for fair and scientifically-based regulations. Industry stakeholders, including flower growers and exporters, must continue to invest in best practices and innovations in pest management.

International partnerships can also offer valuable support. Collaborative efforts with EU authorities and agricultural experts can lead to the development of more effective and targeted pest control measures. Sharing knowledge and resources can help Kenyan growers implement best practices and stay ahead of emerging pest threats.

Moreover, addressing the FCM challenge provides an opportunity for Kenya's floral sector to lead by example in sustainable agriculture. The development of integrated pest management can enhance environmental sustainability and appeal to increasingly eco-conscious consumers in the EU.

While the rise in FCM-related scrutiny presents significant challenges for Kenya's flower sector, it also opens avenues for innovation and collaboration. By embracing a proactive approach to pest management, investing in research, and fostering partnerships, Kenya can not only meet but exceed international expectations. In doing so, it will reinforce its position as a leading exporter of high-quality roses and contribute to the broader goal of sustainable agricultural practices.

catherine@hortinews.co.ke / www.hortinews.co.ke



# Rising demand for CRYPTEX® SC solution

*The KEY challenge is to have a joint approach to managing this pest from all sectors in the agri industry as it affects not only roses but also other export crops such as avocado and capsicum - we need to have a national focus on this pest in order to manage/ contain the population especially in and around key farming areas to ensure the pest is not breeding/multiplying in areas/farms adjacent to KEY commercial export farms/crops - FCM pest is not about managing it individually as a farm but collectively as interceptions impact the status of Kenya as a whole so we must join hands as the fresh produce industry and put in place measures to control this pest in a consistent manner and not wait for flare ups/outbreaks which in a number of cases is too late, leading to interceptions in Europe - I am confident if farms/Agricultural sector put in place control measures and consistent preventative programmes we will see a significant reduction in this pest avoiding further escalation - Hamish Ker, May 2024.*



**A**ndermatt Kenya has realized a unprecedented demand for its baculovirus -based CRYPTEX® SC, a biological solution specific for control of False Codling moth (FCM). The growth is notable considering that as the CEO - Hamish Ker quoted above says - Kenya needs a joint approach and a national focus. Predictably, the collective action is spearheaded by industry, represented by the Kenya Flower Council, government agencies notably the Kenya Plant Health Inspectorate Service (KEPHIS) and the Pest Control Products Board (PCPB) with active participation of pest control products providers. “Being a naturally occurring pathogen, CRYPTEX® SC is environmentally friendly, suffers no resistance and is FCM specific, explaining its rising demand”, said Hamish.

“**CRYPTEX® SC** is safe to non-target organisms, including humans, beneficial insects, mammals, other arthropods and pollinators”, he explained, adding, “we have a CRYPTEX® SC solution to FCM”, that fits perfectly into the national focus.

## **What is CRYPTEX® SC ?**

CRYPTEX® SC is a suspension concentrate of a granulovirus (CrIeGV) for the biological control of False Codling Moth *Thaumatotibia leucotreta*, the product is registered (PCPB (CR) 1969) on Roses, Capsicum and Avocado.





# Cryptex®

Reg. No. PCPB(CR)1969.

Cutting edge granulovirus technology for the suppression of False Codling Moth (FCM) on ornamental and horticultural crops.

## Andermatt - Leaders in Biostimulant and Biocontrol solutions.

Andermatt's vision for Africa is focused on feeding the continent sustainably, as well as strengthening African economies through the export of high quality, residue-free, healthy food.

As partners of choice, Andermatt delivers the best biorational products, sourced both locally and globally along with expert technical guidance and support.

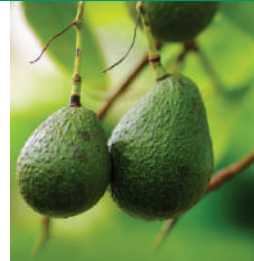
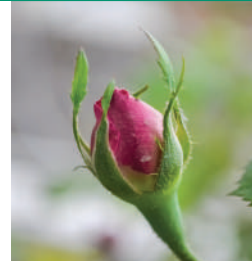


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Cryptex® contains *Cryptophlebia / Thaumatotibia leucotreta* Granulovirus (CrleGV). Reg. No. PCPB(CR)1969. Andermatt Kenya Limited. Address: Two Lakes Business Park, Moi South Lake Road, Naivasha, Kenya. Reg. No. PVT-GYU2RYX.





## FALSE CODLING MOTH (FCM)



### About Andermatt

Andermatt Kenya is a subsidiary of the Andermatt Group, which was founded over 30 years ago by Dr Martin and Dr Isabel Andermatt. Incidentally, the group started with the production of a plant protection product called MADEX, based on baculoviruses to control a specifically challenging pest, the Codling Moth, and this was a great success. Today, as a result, the Andermatt Group is recognized as a global leader in providing such bespoke biological solutions.

#### CRYPTEX® SC

The group has over the years developed a number of world leading baculovirus solutions to manage challenging resistant pests such as the FCM. CRYPTEX® SC (*Thaumatotibia leucotreta*) has been proven to be the leading preventative/curative product in multiple crops in Africa including grapes, citrus and avocado to name a few. Following the success of CRYPTEX® SC in Southern Africa in a range of crops, Andermatt Kenya has successfully registered CRYPTEX® SC (PCPB (CR) 1969) as the go to product to control FCM in roses, avocado and capsicum.

#### THURICIDE® HP

In addition to CRYPTEX® SC we have Thuricide® H.P (PCPB (CR) 0105) a bioinsecticide containing spores of *Bacillus thuringiensis* (Bt) sub species *Kurstaki*, a spore forming bacterium which produces crystals of protein Endotoxin. The Endotoxin is specifically toxic to many lepidopteran (caterpillar) larvae including the FCM.

#### ECO-BB® WP

We have Eco-Bb® WP (PCPB (CR) 2308) a broad-spectrum contact bioinsecticide containing spores of fungus *Beauveria bassiana* which has proven to be effective at controlling a broad range of critical roses pests from thrips, red spider mites, mealybugs and FCM.

### Optimal baculovirus application

#### Why CRYPTEX® SC?

- Cryptex® SC has been shown to control false codling moth (FCM) larvae on various crops.
- Cryptex® SC is highly compatible in weekly tank mixes.
- Cryptex® SC can easily be integrated in IPM strategies and is suitable for residue free production.
- FCM is a quarantine pest for many export crops such as roses or avocados. Thus the use of Cryptex® SC in FCM control strategies becomes a key tool to maintain access to export markets allowing adherence to residue restrictions.

#### When to apply?

- 1st Cryptex® SC application approximately 10-14 days after the 1st main peak in FCM moth flight – apply min 200ml- Max 330ml/ha
- 2nd Cryptex® SC application approximately 10-14 days after the 2nd main peak in FCM moth flight – apply min 200ml -Max 330ml/ha
- 3rd Cryptex® SC preventative application to follow the 2nd application at a dose rate of 35ml per ha
- Continue with the program as weekly preventative until such a time as FCM is no longer a risk to the farm

**STOP PRESS**

Andermatt Kenya recently have registered Tutavir® SC ( PCPB (CR) 2496 ) and Littovir® SC ( PCPB (CR) 2500) - Tutavir® SC is a baculovirus for the control of the tomato leafminer (*Tuta absoluta*) and Littovir® SC is a baculovirus that specifically infects and kills larvae of African cotton leafworm (*Spodoptera littoralis*) as well as the Fall Armyworm (*Spodoptera frugiperda*).

### What are baculoviruses?

Baculoviruses are classified as microbial biological control agents, the naturally occurring insect specific viruses. The pathogens are often very specific and target only one particular species of insects – in the case of CRYPTEX® SC it targets the FCM. The insect becomes infected with the baculovirus after ingestion of the virus particles. Once ingested, baculoviruses replicate inside host cells causing the insect to become sick and eventually die.

### Types of baculoviruses

There are two main classes of baculoviruses, nucleopolyhedroviruses (NPVs) and granuloviruses (GVs). The main difference between the two is the number of virions, also known as the number of virus particles. Nucleopolyhedroviruses contain several virions, whereas granuloviruses contain a single virion.



## What are the benefits of using a baculovirus?

Baculoviruses are naturally occurring insect specific pathogens that can be used for controlling certain types of insect pests. Baculoviruses are usually very specific and often control only one species of insect.

Baculoviruses that are used as biological control agents in Kenya have to be registered as plant protection products by PCPB that puts them under same stringent evaluations to demonstrate their safety and efficacy as the conventional chemical insecticides. Baculoviruses with approval for use can be used in integrated pest management programmes and on organically produced crops. They can be used alongside other forms of biological control, including macro biologicals, microbial products, mating disruption, pheromones and also in programmes with other plant protection products. Baculoviruses have a unique mode of action, belonging to IRAC Group 31, meaning that using them as part of plant protection programme is an excellent way to help prevent resistance developing to plant protection products and active ingredients.

## Mode of action of baculoviruses

Baculoviruses contain high concentrations of virus particles, also known as virions. Each virus particle is surrounded by a protein matrix called the occlusion body which helps protect the virus from environmental conditions, such as UV. The occlusion bodies containing the virus particles are sprayed onto the leaves where the virus particles must be ingested by the larvae of the target insect in order to be effective. Baculoviruses have no direct effects on adults, eggs or pupae.

Once ingested, the occlusion bodies that surround the virus particles dissolve due to the highly alkaline environment in the larva's midgut. The infective part of the virus called the occlusion derived virus (ODV) is responsible for the primary infection in the midgut cells. Replication takes place in the nuclei of the midgut cells. Following the primary infection, cell to cell transmission occurs by the budded virus (BV). This is how the virus spreads throughout the insect's body. Towards the end of the infection cycle, larval host cells produce new occlusion bodies to help protect the virus once it gets released back into the environment when the insect dies. Once released from the insect, these occlusion bodies can then be ingested by other larvae which will lead to another virus infection.

## How do baculoviruses provide population control?

As well as being able to cause a direct effect on larvae when ingested, baculoviruses can also provide population control due to either the horizontal effect, the fitness effect or the vertical effect.

The horizontal effect takes place after an infected larva ingests a lethal dose of the virus and dies and the virus is released back into the field, where other larvae feed on the virus particles that have been released from the dying insect, leading to further insect mortality.

Baculoviruses can also cause a fitness effect. This is when an insect ingests a sublethal quantity. The insect may not have enough virus to be controlled after ingestion at the larval stage, but this can lead to a reduction in pupation or egg hatching of the next generation.

Finally, baculoviruses can also spread via the vertical effect. Again, this can happen when a sublethal quantity of virus is ingested by the larva. The infected larva may not die from the virus, but the virus can get passed onto the insect's offspring. The next generation can carry the virus infection which can cause an outbreak after activation due to stress factors such as heat and disease.

All three of these effects; horizontal, fitness and the vertical effect ultimately provide population control of codling moth.

## Timing of baculoviruses

The two main factors determining the time taken for larvae to die after becoming infected by baculoviruses are the dosage of virus ingested and larval stage of the insect. A higher dose of the baculovirus will ensure that the larvae will ingest a higher viral load, ultimately leading to quicker death. The other factor that will influence mortality rate is the larval stage of the insect. Younger larvae will be controlled more quickly than older larvae as the smaller larvae are more susceptible to the baculovirus. Quicker mortality helps reduce the amount of damage caused by the pest.

### Optimal baculovirus application



## FCM (Thaumatotibia leucotreta)

False Codling Moth (*Thaumatotibia leucotreta*) is present in Sub-Saharan Africa, and has recently been detected in Israel. This extremely polyphagous caterpillar feeds on crops especially fruits including flowers, by penetrating them, and can cause

significant damage. The high infestation by this pest often leads to dramatic fruit drop and high yield losses. Furthermore the presence of single FCM larvae in shipment lots into export destinations can provoke the ban of future shipments into these markets which cause further high economic losses – the KEY concerns for Kenyan crop exports are roses, Avocado and Peppers.



# Andermatt

Healthy Food and Healthy Environment, for all

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# Redlands Roses FCM free zone

By CHARLES KARIUKI

**R**edlands Roses, one of Kenya's premier flower farms, has developed a highly sophisticated system for controlling False Codling Moth (FCM), a pest that poses a significant threat to rose crops.

Their approach integrates a combination of modern pest control techniques, strict hygiene protocols, and continuous monitoring, all designed to ensure the health of their roses while minimizing environmental impact.

At the core of their strategy is Integrated Pest Management (IPM), a holistic approach that combines biological, cultural, and chemical controls to manage pests. A key component of this system is the use of monitoring traps, also known as delta traps due to their triangular shape. These traps are strategically placed both outside the greenhouses (90 traps) and inside (1 trap every 2,000 square meters) to track the population dynamics of FCM. The traps contain pheromone lures that attract male moths, disrupting their mating cycle. The pheromone lures are replaced monthly, along with the sticky cards beneath the traps that capture the moths. This ongoing monitoring allows Redlands Roses to understand pest trends and respond swiftly before infestations escalate.

In addition to the traps, Redlands Roses employs physical barriers to protect their roses. Nets are installed around the greenhouses to prevent the movement of insects from outside into the controlled environment. To ensure proper air circulation inside the greenhouses, the plastic sheeting is lifted from below, which not only regulates airflow but also helps maintain optimal growing conditions while keeping external pests at bay. This method, based on the principle of isolating the crops from external organisms, is foundational to preventing FCM and other pests from entering the greenhouse environment.



Stefano Banella, IPM Manager explaining use of light traps

Once the roses are harvested from the greenhouses, they undergo an extensive post-harvest treatment process. The flowers are immediately taken to the retake/pre-cool area, where they are thoroughly inspected for diseases and pests.

This step is crucial, as it provides an opportunity to detect any early signs of FCM infestation. If any presence of FCM is detected at this stage, an alarm is raised, and the specific greenhouse where the flowers were harvested is immediately identified. This allows for targeted actions to address the problem before it spreads.

After the initial inspection, the flower heads are dipped in a specially formulated solution designed to

combat Botrytis, a common fungal disease that thrives in humid conditions. The solution also contains insecticides to eliminate any pests, including FCM, that may have survived the harvest. Botrytis is a persistent challenge for flower farms due to its dependence on environmental conditions, making this treatment an essential part of maintaining the quality of the roses.

The next stage in the process is a rigorous quality check. Here, scouts equipped with strong lights and magnifying lenses carefully examine the flowers for any signs of pests, such as FCM or other insects. This thorough inspection ensures that no pests remain hidden within the blooms. The flowers then pass through another round of checks after emerging from cold storage, where staff inspect them net by net for any signs of damage or remaining pests. This step is critical for ensuring that any FCM larvae or other insects that might have been missed are removed.



**Redlands Roses employs physical barriers to protect their roses. Nets are installed around the greenhouses to prevent the movement of insects from outside into the controlled environment**







**Delta pheromone traps for trapping and monitoring pests.**

The ultimate goal of this meticulous post-harvest process is to remove any larvae that might be present in the flowers, ensuring that only the highest quality roses proceed to the grading area, where they are prepared for export. Redlands Roses recognizes that quality control is not just about aesthetics but also about protecting the health of their crops and ensuring their reputation as a producer of premium roses.

In addition to these direct pest control measures, Redlands Roses employs biological control methods by introducing natural enemies such as *Trichogramma* species, tiny parasitoids that target FCM eggs. This helps reduce the population of FCM without the need for extensive chemical interventions. If necessary, the farm may also employ targeted chemical control using environmentally friendly insecticides that have minimal impact on beneficial organisms.

Furthermore, the farm may adopt Sterile Insect Technique (SIT) as part of their IPM strategy. This method involves releasing sterilized male FCMs into the environment. When these sterilized males mate with females, the resulting eggs are infertile, leading to a gradual reduction in the pest population.

By combining these diverse pest control techniques, Redlands Roses has developed a robust system that not only protects their crops but also minimizes their environmental footprint. Their commitment to sustainability, quality, and pest management ensures that they remain a leader in the flower industry, providing the world with beautiful, healthy roses.

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**FCM free roses**



**Dipping treatment**



**Scouting**



# Controlling False Codling Moth (FCM) with Delegate 250 Wg

## Biology of the FCM

**T**he False Codling Moth, *Thaumatotibia leucotreta*, is a highly polyphagous pest, feeding on more than 50 plant species, mostly crops of economic importance. The pest has been spotted on export crops such as Capsicum spp, Citrus spp and Rosa spp. In the recent past the pest has become an increasingly important pest, necessitating more attention from a pest management point of view.

False Codling Moth (FCM) is a nocturnal pest with 1.25cm-2cm wings and colour variation. The eggs of FCM are laid singly or in small groups on the surface of the flower buds and the tender parts of the plants. Eggs are difficult to detect because they are flat and take same colour with the substrate. The pest has a 30-174 days lifecycle and can produce 2 to 10 generations in a year laying up to 800 eggs depending on multiple factors including temperature, food availability and quality, and humidity. Eggs hatch into larvae in 20-22 days. At maturity, the larvae exit from the fruit or flower buds and drop on the ground.

The stage likely to be detected during inspection is the larva, while in the field adult stages can be detected on traps. Larval stages are internal feeder in flower buds in the case of Roses. The larval stages are visually detected by use of a hand lens, usually done by looking out for symptomatic buds, which when opened small holes are observed in the bud where the larva has penetrated and exited the bud. Frass can also be observed protruding from the hole, larvae may migrate to the centre of the bud. The pupae then undergoes a metamorphosis to winged adults and the cycle restarts.



### **Pest management,**

#### **Cultural method:**

- Remove all the unwanted affected plant parts.
- Keep the beds clean, free of plant debris. This would limit chances of Pupa stages hiding.
- Remove crown galls.

#### **Biological method:**

- Attract and Kill by use of pheromones
- Mating disruptors if available.

### **Chemical method:**

Solution from Corteva Agriscience  
Delegate 250 WG

DELEGATE 250 WG is the first registered FCM product on flowers in the market. The new kid on the block has a long heritage focused on offering complete solutions to the growers. The aim is to enrich the lives of producers and consumers, ensuring progress for generations to come. DELEGATE 250 WG is an insecticide belonging to the Spinosyns





**Delegate™ 250 WG**  
Jemvelva™ active

INSECTICIDE



## UNMATCHED PROTECTION

**Quick knockdown activity on:**

Thrips, False Codling Moth (FCM) & other Caterpillars  
in Ornamentals.

**Active Ingredient:** Jemvelva (Spinetoram) 250g/Kg

**Application Rate:** 150g/Ha

**Corteva Agriscience™**

Keystone Park, Block B, 3rd Floor, Riverside Drive  
P.O. Box 53384 - 00200, Nairobi Kenya  
Tel: + 254 709 142 000

**For more information call: 0723 771 666**



class and to Group 5 mode of action classification. DELEGATE 250 WG has improved potency at target site, improved residual control, improved translaminar activity and penetration through the plant cuticle, increased activity at the target site and is more stable in sunlight. It provides broad spectrum activity on key pests from Lepidoptera, Thysanoptera, Diptera and Coleoptera and other pests such as Pear Psylla and Asian Citrus Psyllid. It is also effective on whiteflies nymphs and has ovi-larvicidal activity when sprayed on eggs.

Due to its improved rain-fastness and photo-stability property with no breakdown in sunlight, the product has better weather resilience. It delivers exceptional, fast-acting activity within minutes to hours with a fast knockdown on contact toxicity. DELEGATE 250 WG is a unique product that is highly active at the target site in the pest's nervous system causing paralysis within minutes its effective through ingestion and contact making it difficult for the target pest to escape the activity of the product.

DELEGATE 250 WG with low impact on beneficial arthropods making it compatible with IPM programs. Its short environmental persistence and greater ingestion versus contact activity minimises impact on natural enemies. It has minimal impact on pollinators once the spray deposit has dried up. It is practically non-toxic to honeybees when spray has dried up. DELEGATE 250 WG is safe with minimal risk (if any) to predatory lacewings, ladybird beetles, predatory mites, and parasitic wasps.

Moreover, it is a valuable tool in resistance management, it has shown no cross resistance within existing chemistries of the IRAC groups.”

With no phytotoxicity, no varietal sensitivity observed making it a suitable partner to be a mixed with most adjuvants when necessary, in addition to being compatible with commonly used Fungicides, Insecticides and Foliar Fertilizers.



The product won Presidential Green Chemistry awards in the USA, as well as AGROW award as Best New Crop Protection Product. It is also classified by EPA as a reduced risk pesticide. If properly utilised, DELEGATE 250 WG has the potential of further cementing Kenya's position as the leading flower exporter to the European markets.

To reduce the potential for resistance development we recommend alternation of DELEGATE 250WG with different Mode of Action actives recommended against control of FCM.





# Kenya roses on red alert

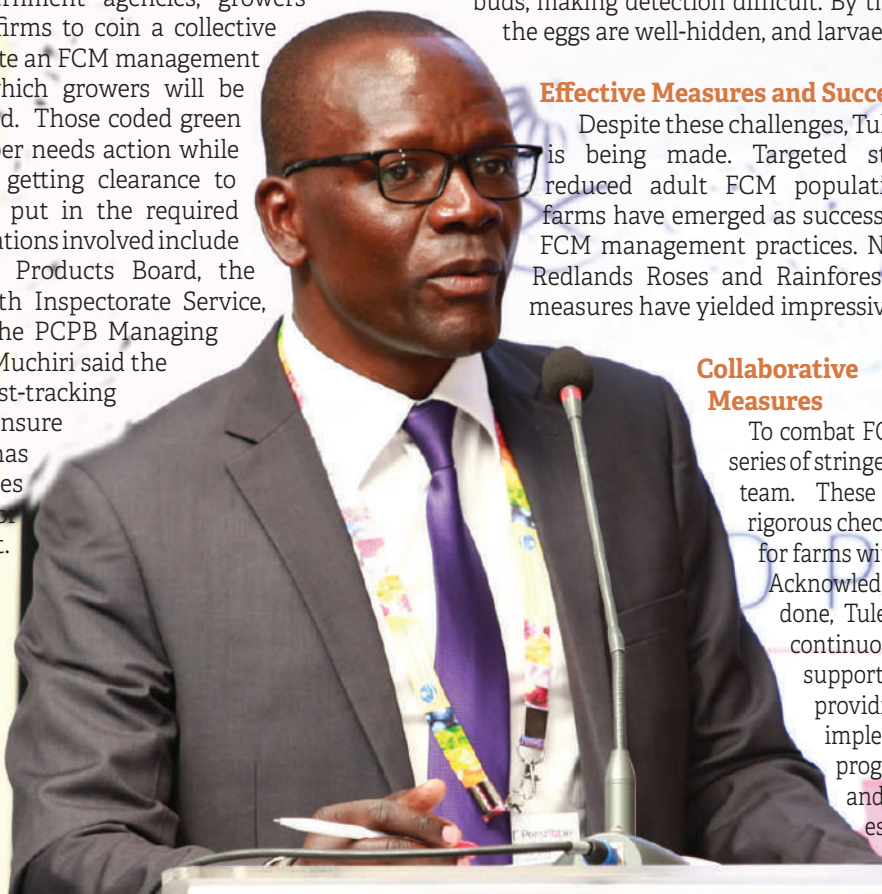
**Late last year, the European Union issued an alert it would increase checks on rose shipments from 10 to 25 percent due to increasing incidents of the false codling moth. The bloc went ahead and imposed the warning beginning June this year. It went further and alerted the industry it would consider a ban, if there was no significant improvement in reduction of the pest. Farms are now being labeled red, amber or green depending on the intensity of infestation.**

By **ANDREW MATHENGE JESSE**

**H**ortiNews talked to the Kenya Flower Council CEO Clement Tulezi on the situation. He said the sector has formed a multi-agency team comprising of the associations, government agencies, growers and pest control firms to coin a collective approach and create an FCM management system against which growers will be periodically audited. Those coded green are FCM-free, amber needs action while the reds are not getting clearance to export until they put in the required steps. The organizations involved include the Pest Control Products Board, the Kenya Plant Health Inspectorate Service, and AAK Grow. The PCPB Managing Director Fredrick Muchiri said the institution is fast-tracking registration to ensure the country has enough molecules and products for combating the pest.

### Excerpts from the Clement Tulezi talk:

The false codling moth, a persistent pest that infiltrates our cherished flowers, poses a significant threat to our exports, particularly to the European Union (EU). The EU has recently intensified its inspection measures, requiring up to 25% of flower consignments to be meticulously checked, a substantial increase from the previous 10%. This stringent regulation, aimed at ensuring zero tolerance for FCM, places enormous pressure on our industry.



### Chemical Constraints and FCM Control

Tulezi highlighted a critical issue: the limitations imposed on chemical usage. While essential for maintaining flower quality, these chemicals must be carefully managed to avoid exceedance of permissible levels. Moreover, FCM's lifecycle complicates control efforts. The moth lays its eggs within the buds, making detection difficult. By the time flowers are harvested, the eggs are well-hidden, and larvae can go undetected.

### Effective Measures and Success Stories

Despite these challenges, Tulezi emphasized that progress is being made. Targeted strategies have significantly reduced adult FCM populations. Encouragingly, several farms have emerged as success stories, showcasing effective FCM management practices. Notable examples include the Redlands Roses and Rainforest Alliance where innovative measures have yielded impressive results.

### Collaborative Efforts and Stringent Measures

To combat FCM effectively, Tulezi outlined a series of stringent measures agreed upon by the team. These include enhanced inspections, rigorous checks, and strict export restrictions for farms with recurrent FCM interceptions. Acknowledging the hard work being done, Tulezi stressed the importance of continuous improvement. The KFC, with support from the Dutch Embassy, is providing resources to assist farms in implementing best practices. Training programmes, increased surveillance, and hands-on coaching are essential components of this support, aiming to bring FCM numbers down and maintain our industry's reputation for excellence.

### Success stories

Tulezi also underscored the need for robust communication and negotiation. Sharing our success stories and engaging in meaningful dialogue with EU regulators are crucial steps. The goal is to ensure they understand Kenya is doing everything possible to put the pest under control.

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# CHRYSA SERVICES

by Chrysal Africa

- Keeps your roses Botrytis free
- Enhances colours
- Ensures uniform opening
- Prolongs vase life
- Enables for Long Storage



Long storage has always been an interesting option, since the introduction of Chrysal Rose Dip Service in 2019. As sea freight possibilities are under pressure at the moment, we are increasingly offering our customers the option of long storage.

# Having more flexibility over selling flowers

## Chrysal Long Storage

What we have seen in the recent months is a strong adoption of long storage, whereby roses are stored longer than normal at farms to be shipped by air freight at a later moment than normal. Although the benefit of a cheaper freight option and less carbon emission is not there, in the case of sea freight of flowers, still the advantages - if well managed - outweigh the disadvantages:

- Timing the market following supply and demand; sell at a later date with higher price.
- Reduced need for flushing.
- Avoid waste of flowers that are produced at times of lower demand.
- Sell red roses when there is a market.
- Creating of operational advantages of not processing all flowers at once.
- Lastly, and this is an advantage purely to long storage, having more flexibility over selling flowers, not only today or in 4 weeks (sea freight), but with this option anywhere in between.

The requirements for success remain the same as for sea freight, but with the added requirement of

having good, sufficient and preferably dedicated cold store space at your farm. Input quality of your product remains key. Management of your product and proper timing of sell-date is important. Having a (dedicated) cold store available set at a low temperature is paramount where the climate is constant and stable.



To conclude, many good growers have adopted long storage nowadays in their processes in absence of sea freight, and Chrysal is working with many other growers to support this as well.



# Elgon Kenya installs Paper Sleeve making machine

By **GEORGE OMUOK**

Elgon Kenya is proud to announce the acquisition of a ground-breaking new paper sleeve making machine, the first of its kind in the region. This advancement comes in response to increasing demands for environmentally friendly packaging as concerns for environmental preservation grow. The new machine aligns with our vision of maintaining our leadership position in the flower sleeve manufacturing sector, including both plastic and paper products.

This state-of-the-art machine is designed to produce high-quality paper sleeves in various combinations, such as PAPER/PAPER, PAPER/BOPP, and PAPER/PPP. It meets the specific needs of local flower farms in terms of quality, specifications, and capacity. This innovation addresses the previous challenges faced by local farms, which often had to import paper sleeves. Now, we can provide timely, customized deliveries directly to local farms, with quantities tailored to their needs. Additionally, our new machine's substantial production capacity positions us well for future export opportunities.

One major issue with paper sleeves has been their tendency to become soggy in wet conditions, leading many flower farms to shy away from using them. We've overcome this problem by using specially coated ribbed kraft paper, which is moisture-resistant while preserving the quality of printed designs. This ensures that our sleeves retain their aesthetic appeal and functional integrity throughout the supply chain. For clients who prefer their flowers fully visible, we also offer PAPER/BOPP combination sleeves.

Our paper sleeves range from 30-102 gsm, covering the full spectrum of paper used in flower packaging. We offer both plain and printed options. Importantly, all our paper sleeves are fully recyclable

and compostable, contributing to a cleaner, safer environment. We use only FSC-certified paper, sourced from responsibly managed forests that provide environmental, social, and economic benefits.

Moreover, we have implemented environmentally and socially responsible production practices.

Our manufacturing environment is safe, prohibits child and forced labor, and adheres strictly to human and labor rights. We enforce policies against discrimination, harassment, and intimidation, and provide clear communication channels for workers to voice their concerns.

This commitment to ethical practices is crucial for our clients, particularly those in the European market, which demands proof of ethical manufacturing practices. We undergo annual quality, safety, and social audits to ensure compliance with global standards and identify areas for improvement.

All our sleeve-making operations are handled in-house, giving us full control over production, quality control, and delivery. This approach enhances accountability, traceability, and transparency, allowing us to manage delivery schedules efficiently and expedite urgent orders.

As an ISO 9001:2015 and BRC certified company, we guarantee that our products are of high quality, safe for use, and meet all legal requirements. Choosing Elgon Kenya means receiving top-notch sleeves that fulfill both local and international market criteria. We've done the heavy lifting to ensure our customers get sleeves that are fit for purpose. In essence, "Elgon cares."

[news@hortinews.co.ke](mailto:news@hortinews.co.ke)





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# Potato farmers field day at Fresh Crop Limited: A step toward agricultural excellence

By MURIITHI KARIUKI

In the heart of Nakuru, Mwisho wa lami, Fresh Crop Limited, in collaboration with notable partners like Koppert, USAID, SNV, Feed The Future, CRAFT, OCP Africa, and KIS, organized a remarkable Potato Farmers Field Day. This event brought together potato farmers from various regions, providing them with a unique opportunity to engage with different companies, all focused on enhancing potato yields through innovative products and farming techniques.

The day was more than just a gathering; it was a platform designed to create awareness among farmers, educate them on the latest and most effective farming methods, and showcase a wide range of products that are essential for successful potato farming. The importance of the event was underscored by the presence of the Cabinet Secretary (CS) of Nandi County, who, along with a delegation of farmers from the region, demonstrated the government's vested interest in supporting and uplifting local farmers in the agricultural sector.

Sustainability was a key theme throughout the day. Discussions centered on the critical need to increase farmer awareness of various farming methods, with a particular focus on the benefits of fostering relationships among farmers. By learning from each other and sharing new skills, farmers can improve their harvests and contribute to a more sustainable agricultural future.

Kenya's potential as a powerhouse in potato farming was emphasized by Mr. Chris Gasperi, the CEO of Fresh Crop Limited. He highlighted the country's fertile lands and favorable climatic conditions, which make it possible for farmers to achieve up to three harvest seasons annually. Mr. Gasperi urged farmers to take full advantage of these natural resources, emphasizing that with the right techniques and products, Kenya can significantly boost its potato production.

The field day was also an opportunity for farmers to meet with various companies that play a crucial role in the agricultural sector. Companies such as Elgon Kenya, an agri-input provider, showcased products designed to boost crop productivity. Platinum Credit Limited, a



Doris Kawira, Commercial Manager, Omnia

microfinance company, offered solutions to farmers facing financial constraints, ensuring they have the capital needed to continue their farming activities. CFAO Kenya, which specializes in selling tractors to large-scale farmers, highlighted how modern machinery can ease the workload and increase efficiency. EXOME Kenya, known for its organic fertilizers, promoted sustainable farming practices, while Kortevea presented its range of fertilizers aimed at improving soil health and crop yields.

The Potato Farmers Field Day at Fresh Crop Limited was not just an event but a significant step toward agricultural excellence. It provided a platform for knowledge sharing, innovation, and collaboration, all aimed at enhancing the productivity and sustainability of potato farming in Kenya. As farmers left the event, they carried with them new ideas, techniques, and connections that will undoubtedly contribute to the growth and success of their farming endeavors.

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“

**The field day was also an opportunity for farmers to meet with various companies that play a crucial role in the agricultural sector.**

”



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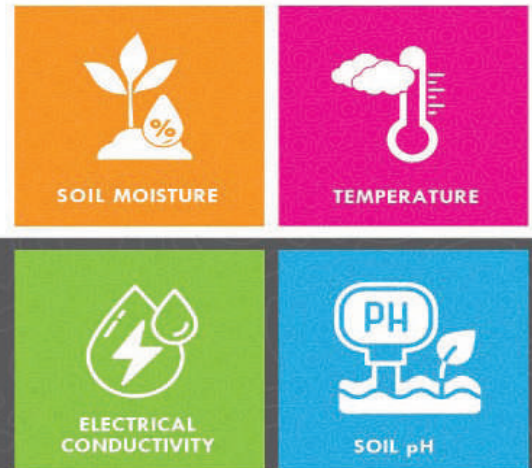
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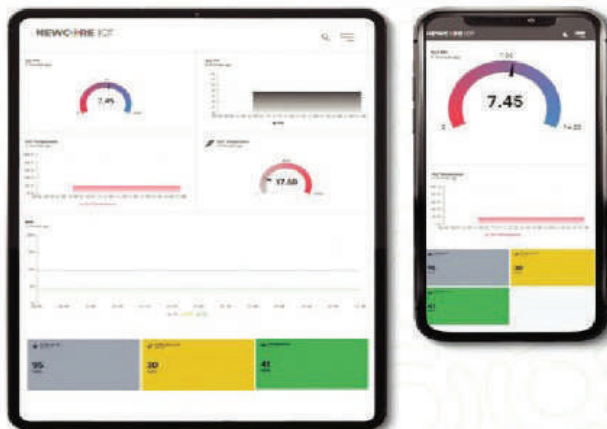
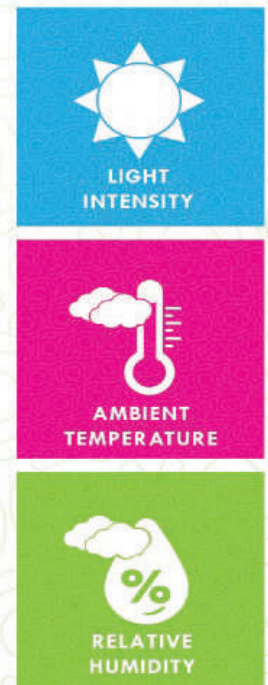
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Tel: +254 112 861 167

[www.newcoreiot.com](http://www.newcoreiot.com)





The Kantaria Agricultural Technology Innovation Centre (KATIC) is nearly ready for the grand opening at the University of Nairobi, College of Agriculture and Veterinary Sciences. The centre will serve as a hub for agricultural renovations experimental learning and technology transfer with the ultimate goal of contributing to food and nutrition security, job and wealth creation, poverty alleviation and improved livelihoods, environmental sustainability, and inclusive economic development.



## Kisima Flowers fetches gold

By CHARLES MURIITHI

"We are Gold! I traditionally post our celebration at Kisima Flowers of achieving Kenya Flower Council highest accreditation the Gold Standard. The Fact is we work all year towards setting our standard at the highest level in Environmental and social sustainability... and all of us our very proud! our work culture is simple.

Work together as a team . Sort out any issue as a team. Talk through any problem together that are bound to come up. We are here to enjoy and be happy in our job . Everyone contributes to our success," Craig Oulton, Floriculture Manager .

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IF flex in the tire

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## 372 AGRIFLEX+

Rim	Size	LI/PR
	VF520/80R26	168A8
	VF620/70R26	1700
	VF750/65R26	177B
26	VF420/85R28	151D
	VF520/60R28	149D
	VF600/60R28	146D
28	VF600/65R28	163D
	VF600/70R28	173D
	VF600/60R30	147D
30	VF600/70R30	170D
	VF620/75R30	169D
	VF650/75R30	172D
	VF710/55R30	165D
	VF710/60R30	171D
34	VF600/70R34	167D
	VF650/65R34	167D

## 372 AGRIFLEX

Rim	Size	LI
	VF650/65R38	169D
	VF520/85R38	170D
	VF650/75R38	175D
38	VF710/60R38	160D
	VF710/70R38	166D
	VF710/70R38	178D
42	VF710/85R38	183D
	VF710/70R38	190A8
	VF710/70R38	177A8
	VF800/70R38	190A8
	VF900/60R38	187A8
42	VF520/85R42	177A8
	VF580/85R42	183D
	VF620/70R42	172D
	VF710/60R42	161D
	VF710/70R42	185D
	VF710/75R42	181D

Rim	Size	LI
26	IF520/80R26	165A8
	IF420/85R28	145D
28	IF600/65R28	160D
	IF600/70R28	164D
	IF600/70R30	159D
30	IF620/75R30	164D
	IF650/75R30	166D
	IF600/70R30	165D
32	IF800/65R32	178A8
	IF800/70R32	182A8

Rim	Size	LI
32	IF900/60R32	188D
	IF900/60R32	192D
	IF1250/50R32	201B
34	IF650/65R34	161D
38	IF520/85R38	167D
	IF520/85R42	169D
	IF580/85R42	178D
	IF710/60R42	161D
	IF710/70R42	179D
	IF710/75R42	176D





# DIRECTORY

ORGANIZATION	PRODUCTS	CONTACT PERSON	PHONE	EMAIL
Adonai Flower Limited	Flowers		0718278616	nairobyflowers@Gmail.com
Africalla (K) Limited	Flowers	Rob Holtrop	066-76453	sales@Africalla.com
AIB Petals Ltd	Flowers		0798888977	info@Aibpetala.com
Annak Limited	Flowers	Mrs. Mwendu	0724955232	mwende@Mandaorchids.co.ke
Aurum Roses	Flowers	Anne Mbuthia	0756778823	anne@Aurumroses.com
Azalea Blooms Ltd	Flowers	Saskia Sighh	0736364155	info@AzaleabloomsLtd.com
Benev Flora Ltd	Flowers	John Ndungu	0722318793	johnndungu@Benevflora.co.ke
Benyama Supplies Ltd	Flowers			
Best Harvest Farm Produce Suppliers Ltd	Flowers		0716617840	
Big Flowers Plc	Flowers	Mr.sunny	+971564142431	trade@Btfgroup.com
Bliss Flora	Flowers	Mr. Shivaji Wagh	0704501932	appachu7@Yahoo.com
Black Tulip Group Ltd	Flowers	Mohan Choudhery	0789999924	trade@Btfgroup.com
Bloomingdale Roses Ltd	Flower	Riya Bunty Shah	0722514931	riya@Bloomingdaleroses.com
Bohemian Flowers Ltd	Flowers	Bharat Kumar	0722209600	
Bonelflora Limited	Flowers			
Bos Flowers Limited	Flowers			
Broban Export & Import Agencies	Flowers	Obango	0722317932	obango@Brobanflower.co.ke
Buchati Gambier Blooms Limited	Flowers		0723840820	bgambier@Gmail.com
Buchero Enterprises Limited	Flowers			bucheroenterpriseskenya@Gmail.com
Canopy Farms	Flowers			canopyfarms.maine@Gmail.com
Cartesia Bloom International	Flowers			
Castelig Freight Trading Ltd	Flowers		0791646717	info@Casteligfreight.com
Cedar Wood Properties	Flowers			
Celie Blooms Ltd	Flowers		0722731763	
Cenacle Kenya Ltd	Flowers	Bonny	0722465674	bonny@Cenaclekenya.co.ke
Chalvin Far Fresh Ltd	Flowers		0713717971	sale@Chalvinfarm.co.ke
Cheche Flora Ltd	Flowers	Wangari	0721110217	Wangaricate07@Gmail.com
Clenton Enterprises	Flowers			
Clove Flower And Fruit Ltd	Flowers		0720793331	
Coming Up Roses Ltd	Flowers		0750009009	cominguproseskenya@Gmail.com
Cultural Horticrop Ltd	Flowers		0714536937	www.culturalhorticrop.com
Daleflora Limited	Flowers	Ms. Jennifer	0722206555	
Dasev Flowers Limited	Flowers			
Delight Flora Ltd	Flowers		0113213752	sales@Floradelightkenya.com
Demaru Limited	Flowers			info.@Demarulimited.com
Dhamiri Limited	Flowers			
Driplets Limited	Flowers		0722316282	info@Dripletsflowers.com
Dutch Flower Group Kenya Limited	Flowers		+31297389389	info@Dfg.nl
Eco Roses Limited	Flowers	Madhukar Bhalerao	0799555440	mbhalerao.eco@Btfgroup.com
Elegant Blossoms	Flowers	Paul Muli	0724004502	paul@Elegantblossoms.co.ke
Mount Elgon Collection	Flowers	Channa Van Der Spek	0610472528	channa@Rosehandling.com
Equinox Horticulture Ltd	Flowers	Mr. Tom Lawrence	0722312577	tom@Equinoxflowers.com
European African Trade Ltd	Flowers			
Exavier Fresh Exotics Ltd	Flowers			
Fair Flora Ltd	Flowers			info@Fair-Flora
Fairy Flowers Kenya	Flowers		020888999	info@Lathyflora.com
Farmco Fresh Limited	Flowers			
Fenmolt Flowers	Flowers	Sarah Mwangi	0717720844	sarah@Fenmoltflowers.com
Fides Kenya Ltd	Flowers	Mr. Francis Mwangi	06830776	info@Fideskenya.com



Fina Flora Ltd	Flowers		0728604555	info2finaflora.com
Flawless Flowers International Limited	Flowers	Susan Kuria	0734964031	kevin@Flawlessempiredltd.com
Floralchain Africa Limited	Flowers			info@Floralchain.app
Flora Lead Enterprises	Flowers			
Floramarket Kenya Ltd	Flowers		07204184546	sira@Bidii.com
Flora Ola Limited	Flowers	Lucas Choi	0721832710	lucas.choi@Floraola.co.ke
Floriken Blooms	Flowers	Elizabeth Muasya	0724306279	florikenbloom@Gmail.com
Flower Cliq	Flower	Shabistan Khan	0736255477	info@Flowercliq.com
Gabbana Fresh	Flowers			
Galaxy Flowers Limited	Flowers	Tatyasaheb Zipare	0722711791	galaxyflowers@Yahoo.com
Golden Slate Limited	Flowers			
Golden Swift Ltd	Flowers		0114409522	info@Goldenswift-Ltd.com
Gos Limited	Flowers		0722203359	info@Globalgos.com
Greenbrook Fresh Products Ltd	Flowers	Kevin	0721665603	
Greystone Commodities Ltd	Flowers	Mr. Silas Mbaabu	0722312316	silas.mbaabu@Greystones.co.ke
Groove Limited	Flowers	Mr. Mark	0726116780	groovekenya@Gmail.com
Mark@Grooveflowers.com				
Hanna Roses Ltd	Flowers		0754200200	info@Hannaroses.com
Henat Enterprises Limited	Flowers		0722205044	sales@Henatflowers.com
Heritage Flowers Ltd	Flowers			
Herany Flora Kenya	Flower		0711638506	heranyflora@Gmail.com
Holio Growers	Flowers	Esther Simon	0741845388	
Hombe Flowers Investments Ltd	Flowers			
Horaizo Blooms Limited	Flowers	George Kamunge	0719112962	horaizobloom25@Gmail.com
Hortech	Flowers	Aiyappa Kushalappa	0738461111	aiyappa@Hortech.biz
Hub Imports And Exports Limited	Flowers		0723852512	sales@Hubimportsandexport.com
Hybrid Agricultural Support Ltd	Flowers	Philip Kuria	0114954222	hybrid@Hybridagrisupport.com
Imani Flowers Ltd	Flowers	Roy Gachoki	0724629897	roy@Imaniflowers.co.ke
Interlinkflowers (K) Ltd	Flowers			
Isinya Roses Limited	Flowers	Mr. Rajesh P. Dave	0721403175	info@Isinyaroses.com
James Finlay Kenya Limited	Flowers		0722202365	info@Finlay.co.ke
Jan Spek Rozen	Flower	Steve Outram	0733609863	steve@Rozen.com.www.rozen.com
Jasm Trading Limited	Flowers			
Jatony Flowers	Flowers			
Johari Flowers Limited	Flowers		0782495500	info@Johari-Flowers.com
Jowa Blooms	Flowers		0711746765	bloomsjowa@Yahoo.com
Karwiz Floral	Flowers		0743607821	info.karwizfloral@Gmail.com
Kenfloraa Ltd	Flowers	Mr. Allem Abdul	0206761198	info@Kenflora .Com
Kensalt Limited	Flowers		0720905611	info@Kensalt.co.ke
Kentalya Ltd	Flowers	Mrs. Linet	0733549773	lynette@Kentalya.com
Kenya Cuttings Ltd	Flowers	Mr. Martin Kolvenbach	0602-2030280/81	kolvenbach@Sygenta.com
Kikwetu				
Kiki Flowers (K) Ltd	Flowers	Mercy Ndumba	0718366974	kikiflowers2018@Gmail.com
Sales@Kikiflowers.com				
Kisementi Oak Farm Ltd	Flowers			
Knet Flowers Ltd	Flowers		0720693370	info@K-Netflowers.co.ke
Kr Farms Limited	Flowers		0722627375	krfarmlimited@Gmail.com
Kranian Farms	Flowers	Rachel Muturi	0701640801	rachel@Kranianfarms.com
Lamiflora Ltd	Flowers	Mary	0757629613	mary@Lamiflora.co.ke
Lathyflora K Ltd	Flowers		0722455996	t.nannes@Planet.nl
Lauren Fresh Limited	Flowers			



Laurel Investment Ltd	Flowers	Lydia Macharia	0720483502	marketing@Fairtradeafrica.net
Lauren International Flowers Limited	Flowers	Mr. Chris Ogutu	0722783598	laurenflowers@Access.co.ke
Legrane Limited	Flowers		0741024455	marketing@Legrane.com
Lenara Belle Limited	Flowers		0785145507	lenarabelle@Gmail.com
Lolomarik Ltd	Flowers	Mr. Simon	0722206173	simon@Lolomarik.com
Info@Lolomarik.com				
Maaskant Flowers Ltd	Flowers	Hanna Mwangi	0722915595	maaskantflower@Gmail.com
Manuchar Kenya Limited		Evalyne Wambui	0796672670	evalyne.wambui@Manuchar.com
Merest Flowers Ltd	Flowers		0725869017	saleske@Merestflowers.co.ke
Merybery Trading Company Limited	Flowers		0725412429	marketing@Meryberytradingcompany.com
Mevrose Exports Ltd	Flowers			
Mikom Flowers	Flowers			
Milush Enterprises Ltd	Flowers			
Milele Flowers	Flowers	John Kimani	0712370192	john@Mileleflowers.com
Molo South Buds Limited	Flowers		0705400400	
Mount Kenya Alstroemeria Ltd	Flowers	Miriam	0716162671	miriam@Mountkenyaalstromerialtd
Moriah Growers	Flowers	Eric Muthi	0716582000	moriahgrowerskenya@Gmail.com
Mp Flowers Kenya Ltd	Flowers			mpflower@Comcast.net
Mt. Kenya Sprouts Ltd	Flowers	Alice Muthoni	0700294440	muthoni@Mtkenyasprouts.com
Multi Grow Investments	Flowers		0724977259	info@Multigrow.com
5Growers09@Gmail.com				
Mumiflora Limited	Flowers	Lucy	0740383695	barakaroses@Gmail.com
Sales@Barakaroses.com				
Murara Plants Limited	Flowers		0780625253	murara@Muraraplants.co.ke
Mwihoko Flowers	Flowers			
Nathe Enterprises Limited	Flowers	Mr. JT Njoka	0722115598	jtnjoka@Gmail.com
Pkemei99@Hotmail.com				
Neat Logistics Limited	Flowers			
Neptune Flowers Agencies	Flowers		0722808385	sales@Neptuneflowers.com
Ninth Avenue Limited	Flowers	Reginah Gathoni	0705424147	regina@Ninthavenueltd.com
Nirp East Africa Ltd	Flowers	Alessandro Ghione	0724264653	info.ke@Nirpinternational.com
Ole Engai Growers	Flowers	Akshay Haria	0724352515	a.haria@Oleengai.com
Olij Kenya Propagation Ltd	Flowers		020888999	info@Olijkenya.com
Ol-Njorowa Ltd	Flowers	Mr. P. Isaiah	0202722584	info@Olnjorowa.com
Panda Flowers Limited	Flowers	Mr. Richard	05050046/50198	richard@Pandaflowers.co.ke
Penta Tancom Ltd T/A Penta Flowers	Flowers	Mr. Tom Ochieng	06752136	penta@Kenyaweb.com
Philiam Group Cargo Limited	Flowers			servise@Nbd.ltd
Phinna Flowers Ltd	Flowers	Mrs. Ruth Thuo	0723582436	phinnaflowers2014@Gmail.com
Pigeon Blooms Limited	Flowers			
PJ Dave	Flower	Hillary	0719324853	marketing@Pjdave.com
Pollen Sygenta Limited	Flowers	Mr. Daniel Kisavi	06725056	info.pollen@Sygenta.com
Pollyfleur Ltd	Flowers		0726680095	sales@Pollyfleur.com
Prime Flora Ltd	Flowers	Mr. Moses	0722977214	moses@Primefloraltd.co.ke
Precise Flowers Ltd	Flowers		0720287411	info@Preciseflower.co.ke
Primaflora Limited	Flowers		020311678	paul@Primaflora.co.uk
Pro-Root	Flowers	Julias	0722200890	
Q-Star Farms Limited	Flowers			
Rainbow Bouquets Limited	Flowers			
Range Farm	Flowers	Connie Muneo	0780716110	xxportsranges@Gmail.com
Rebby Touch Flowers	Flowers		0721634110	rebbytouchflowers@Yahoo.com
Rhema Agro Ltd	Flowers	Caren Obuya	0725302105	sales@Rhemaflowerltd.com
Rhino Floriculture Limited	Flowers			
Rimi Flora Limited	Flowers		0722357678	info@Rimiflora.com



Romade Produce	Flowers			
Rosa Park Flowers	Flowers			
Royal Deep Dreams Limited	Flowers			
Royal Floraholland Kenya Limited	Flowers		0740887502	contact@Nlbh.ke
Royal\$Fresh Limited	Flowers		0732657227	remboflowerskenya@Gmail.com
Rembo Flowers	Flowers			
Rift Valley Roses(K) Ltd	Flowers		0721216026	info@Riftvalleyroses.com
Fm@Riftvalleyroses.co.ke				
Simbi Roses	Flowers	Mr. Jefferson K. Karue	06744292, 0202042203	simbi@Sansora.co.ke
Simona Flowers Limited	Flowers		0740800026	simonaflowers74@Gmail.com
Slikweid Kenya Limited	Flowers		+31628209841	info@Slikweid.nl
Sojanmi Springfields Ltd	Flowers			
Sololo Agriculture Limited	Flowers		0721602130	
Soloplant Kenya Limited	Flowers	Mr. Hagai	0202017448	hagai@Soloplant.co.ke
Sosiani Flowers Limited	Flowers			
Sq Flora Ltd	Flowers			
Stokman Rozen Kenya Limited	Flowers	Mr. James Hutchings	0720604000	info@Srk.co.ke
Sunfloritech Limited	Flowers		0721937455	trade@Btfgroup.com
Supreme Floral Ltd	Flowers		0727233485	supremefloraltd@Gmail.com
Sabwani Flowers Limited	Flowers		0721176070	sabwaniflowers@Gmail.com
Sand Pro Growers Ltd	Flowers		0758434343	info@Sandprogrowers.com
Saruni Blossoms	Flowers			
Savanna Flowers Plc	Flowers	Peter Barker	0740103609	info@Savannaflowers.com
Selecta Kenya	Flowers			
Shalimar Flowers Kenya Limited	Flowers	Mrs. Elizabeth Wahogo	0738391832	elizabethw@Eaga.co.ke
Sierra Flora Limited	Flowers			hello@Sierraflora.com
Tambuzi Ltd	Flowers		0790539344	info@Tambuzi.co.ke
Terrasol Kenya Limited	Flowers	Mr. Sjaak Nannes	0722387943	info@Terralsolkenya.com
The Flower Patch Ltd	Flowers			
The Flower People Limited	Flowers	Jane	0702545524	jane@Theflowerpeople.co.ke
The Flower Source	Flowers			
Tripple F Agencies	Flowers	Amos	0735405982	sales@Fagencies.co.ke
Tulaga Flowers Limited	Flowers	Esther Kamau	0708350122	marketing@Fairtradeafrica.net
Twee Flowers	Flowers			
Two Chiefs	Flowers	Waiyaki Ngugi	0714194720	waiyakiztctfloral.com
Tambuzi Ltd	Flowers	Tim Hobbs	0722881707	info@Tambuzi.co.ke
Timaflor Ltd	Flowers	Mr. Julias Kinoti	06241263	timaflor@Wananchi.com
Tropiken Blooms Ltd	Flowers		0714805872	info@Tropikenblooms.co.ke
Ultra Flo Ltd	Flowers		0720858465	info@Ultraflo.biz
Uniflora Services Limited	Flowers		0721957949	uniflowerandplants@Gmail.com
United Selections Kenya Ltd	Flowers		0203566135	
Valentinegrowers Co.ltd	Flowers	Alex Maina	0202020585	alex.maina@Valentinegrowers.com
Van Den Berg Limited	Flowers	Loek Van Adrichem	+31631791898	loek@Bergroses.com
Victoria Dale Flowers	Flowers			
Wermort Industries Ltd	Flowers		0733723258	info@Wermortflowers.co.ke
White Valley General Merchant	Flowers	Margaret	0722486225	info@Whitevalley.co.ke
Wilfay Investment Ltd	Flowers		0203874477	wdkiboro@Gmail.com
Xpressions Flora Ltd	Flowers	Mr. M Rasam	0202312888	info@Xflora.net
Zamzam Flowers	Flowers			
Zeeflora Ltd	Flower	Shaban Kurji	0724493344	shabankurji@Zeeflora.com
Zedgee Flowers Ltd	Flowers			
Zedgee Ltd	Flowers			





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