



# Biocontrol in Africa

Trusted leading supplier of the highest quality roses and cut flowers to the UK's largest retail multiples







Sources, processes
c730m stems pa in
Kenya, UK, Germany and
Holland

## **Flowers**

Prepares more than 1 million flower bouquets weekly

on own world class farms for UK, continental Europe, South Africa and Japan

Largest added-value producer and supplier of flowers and fresh produce from Africa to the EU

Fairtrade roses and lilies

First supplier of Fairtrade vegetables into the UK



Supplies **c25m kg pa** of premium and **prepared** vegetables in the UK and Europe

# Fresh Produce

Grows and processes **7m kg pa** on own farms

Unrivalled global network of preferred supply partners across 17 countries

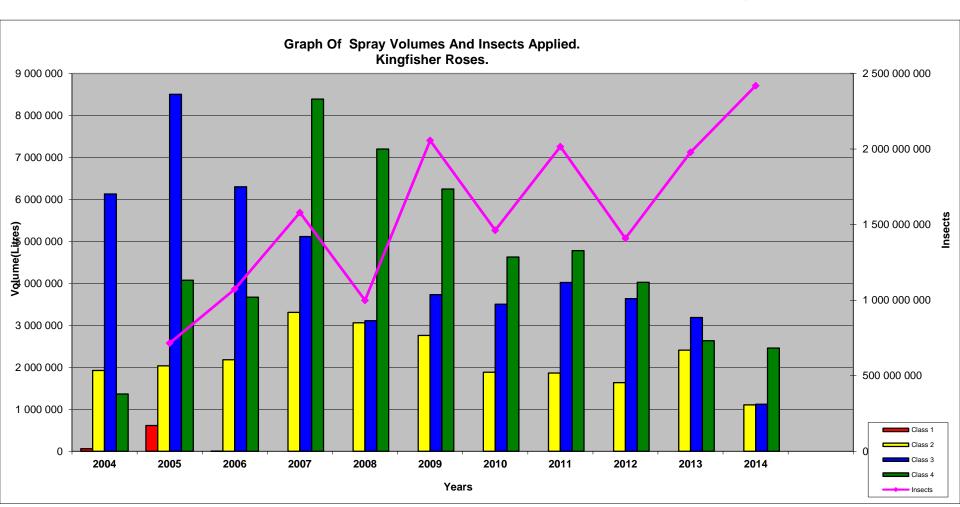








### The success of IPM at Flamingo

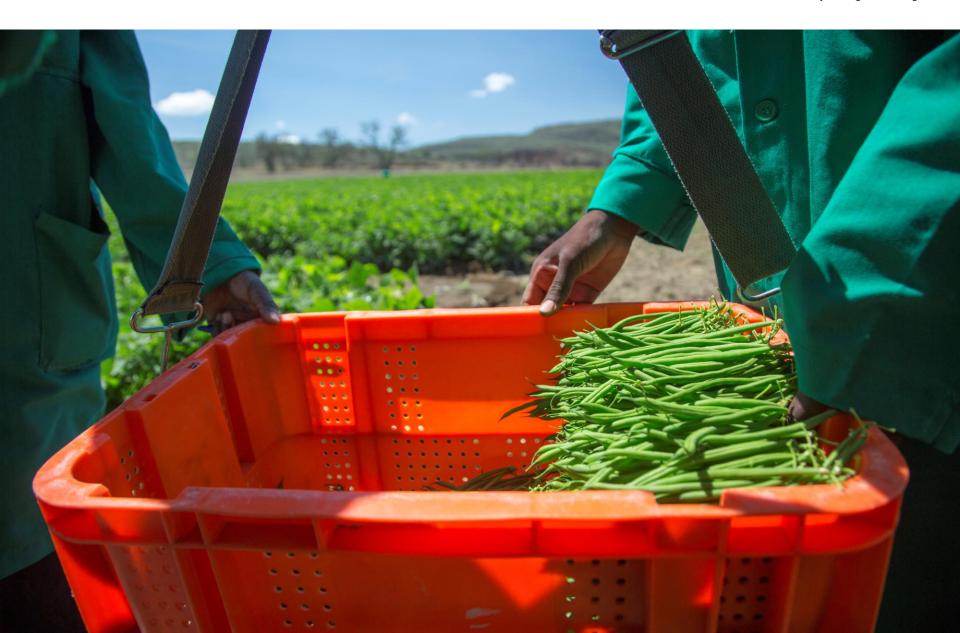


































# Sainsbury's

M&S



the

The co-operative



# Waitrose



JUMBO





roseportal



















### A range of complex and differing standards

- GLOBALGAP,
- Retailer Good Agricultural Practice Standards:
- Nurture,
- M&S Field to Fork Select Grower,
- Tesco Food Manufacturing standard,
- Tesco Ornamental Packhouse Standard,
- Waitrose Farm Assessment,
- Sedex methodology
- Ethical Trade Initiative audit,
- British Retail Consortium & Retailer Food Safety and Hygiene audits.
- Fairtrade certification & over 26 others!



# Kenya at risk of losing EU market for

peas, beans due to falling standards **KENYA** - Peas and beans in pods (unshelled) from Kenya will continue to be subjected to strict sanitary phytosanitary controls before entering the

European market, following a rise in cases

of contaminated produce last year.



### New EU maximum residue levels hit Kenyan vegetable exports 28 April 2013

According to regional press articles, "more than a fifth of Kenya's vegetable exports to the European market were rejected in January after they were found to contain traces of a banned chemical", dimethoate, "said to cause cancer". Stephen Mbithi, CEO of the Fresh Produce Exporters Association of Kenya (FPEAK), pointed out that the increased interceptions followed a 90% reduction in the permitted level of residues: the EU changed its regulations in 2012, stipulating that dimethoate residues "should not exceed 0.02 parts per million". Dr Mbithi added that "several companies and farmers were de-listed" as a result of the interceptions.





Challenges of Access in

RURAL KENYA

Smallholder farmers like Grace face one key challenge—access. One Acre Fund believes every farmer should have regular access to life-changing products.

#### **●** Grace's Farm

1 Hospital: 10 min. walk

2 Electricity: 10 min. walk

3 School: 20 min. walk

4 One Acre Fund
Distribution Site >>
30 min. walk

5 River: 30 min. walk

6 Mpesa Shop: 40 min. walk

7 Paved Road: 50 min. walk

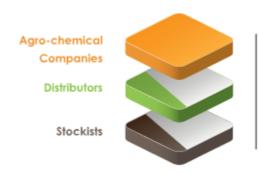
8 Church: 1 hr. walk

9 Market: 1 hr. walk

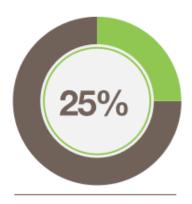
10 Webuye: 1.5 hr. drive Nearest town Grace could purchase inputs before joining One Acre Fund.



### The Kenya perspective



**75** agrochemical manufacturers and over **7,000** agrodealers in Kenya



Agriculture's contribution to Kenya's GDP



Kenya's population employed in agriculture



Kenya's population who are food insecure



Kenya's agriculture is predominantly smallholder farmers accounting to 3.5million.



Only 50% of smallholder farmers participate in commercial farming: 70% use fertilizer and 30% use certified seeds.



Farm productivity per Ha in Kenya is lower than global average. Maize production for instance is

1.6 MT/ha



The global average is

6 MT/ha



The World Bank estimates that women make up 70% of Kenya's farmers.
[Source: Gender in Agriculture Sourcebook, World Bank, page 14, Figure 1.4.]



#### Inputs access and use

- Farmers lack information about right type of farm inputs, right application and right time of use.
- Poor rural roads and other key physical infrastructure have led to high transportation costs for agricultural inputs and services.
- Low agro-dealer investment in the rural areas.

#### Extension services & technology

- Limited access to extension services hindering faster adaptation of new farm practices
- Inadequate research and farmer linkages reducing access to new farming technologies.



#### Soil degradation

- Insufficient information on soil preservation practices causing land overuse and soil degradation
- Insufficient access to soil testing services to determine the soil nutrition, pests and diseases.



#### Climate change

- Changing and unpredictable weather patterns greatly affecting rain-fed agriculture.
- Varying climatic conditions causing an increase in pests and diseases
- Lack of information on farm-level technologies to address climate change challenges

#### **Key Sector Challenges**

#### **QUALITY INPUTS**

Over 2.45 million farmers will be using quality inputs in 10 years. Over 3 million farmers will have improved access to inputs, usage & performance.



#### **AGRO DEALERS**

30% of trained agro dealers adopt improved business & customer management practices. Impact over 2,000 agro dealers in the next 5 years.

### SYSTEMIC CHANGE INDICATORS

### LARGE COMPANIES AND SERVICE PROVIDERS

Large companies investing in improved distribution and farmer support. Service Providers make own investments to commercialize their services.



#### **MAIZE YIELDS**

Over 2 million farmers increase their maize yields from 1.6mt/ha to 3mt/ha

### INNOVATIONS 35 large scale mai

35 large scale market actors adapt new ways of training and dissemination of information across the supply chain.

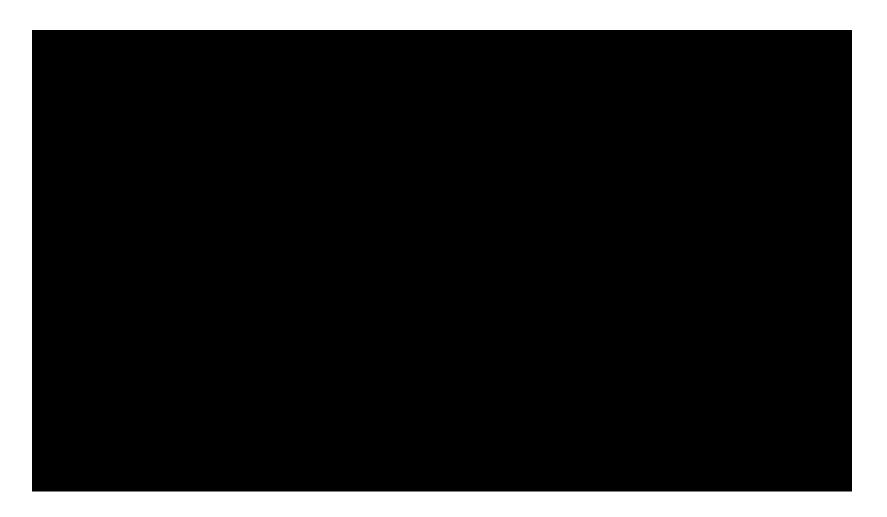








### **Expanding the use of Biocontrol**





### **Project Deliverables**

- 500 farmers employed biocontrol on small scale trial plots
- Agrodealers established who can store and provide technical support to a range of biocontrol technologies.
- Farmers trained and champions appointed to spread the message.
- Regulatory, industry, non governmental and governmental authorities Authorities involved.
   PCPB, KEPHIS, DIFID, SNV, KMT

### **Next stages**

 Scale up and integration with other biocontrol providers, and organisations, SABO, South Africa. Etc.

### **Asante Sana!**

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