

19th Review Conference Invasive Species Threatening Livelihoods

Working together to manage biological invasions across sectors

Dr Janny Vos, Director, Strategic Partnerships

DID YOU KNOW THAT...

Invasive species are a **global issue**
They are impacting the **lives of millions**
of people right now

They are **destroying** crops, livestock & the global
economy **billions** of \$ each year
and driving people into **conflict**
over land

Global issue?

5%

global production per annum lost
due to invasive non-native species



Global issue?

2nd biggest

threat to biodiversity loss worldwide,
killing ecosystem services



Costing billions?



> \$1.4 trillion
per annum

Killing crops, livestock and livelihoods?

>26m farming families are
being affected in **East Africa**
alone by invasive species
impacting
food security and incomes

A rural landscape featuring a body of water in the middle ground, green rice fields in the foreground, and a tractor parked on the right. The background shows a line of trees under a hazy sky.

In just 3 countries in **Asia**

>45m farming families are
being threatened

A person wearing a red and black patterned shuka and a blue shirt stands in a field, holding a long wooden staff. In the foreground, a large green cactus with many purple, round fruits is visible. The background shows a vast, open landscape under a blue sky with white clouds.

Driving conflict?

Land degradation caused by

**invasive
main driver**

weeds is now regarded as a

of conflict in Somalia

DID YOU KNOW THAT...

Livestock
73% of South
Africa's natural grazing
accounts for 30% of
would be lost if alien
Africa's
invasive weeds were not
managed
agricultural

DID YOU KNOW THAT...

human
allergic reactions such as hay fever and
asthma
energy
years
loss
allergies
reactions
97%

of the respiratory system and skin



DID YOU KNOW THAT...

100 million Almost 10% of women in Africa spend school to help with weeding on family farms per annum

20 billion hours

A photograph of two men in traditional Maasai attire sitting in a savanna landscape. The man in the foreground is wearing a yellow jacket and a colorful patterned wrap, holding a wooden staff. The man behind him is wearing a blue shirt and a red and black patterned wrap. Several cows are grazing in the background. The text is overlaid on the right side of the image.

DID YOU KNOW THAT...

Some invasive species have been

found to **affect**
native plant
richness by up to **90%**

There are proven solutions

↓95%

Cassava mealybug which was threatening the food security of >200 million in Africa



There are proven solutions

↑142%

Increase in production after control of
Mango mealybug in West & Central Africa



There are proven solutions

↓60%

Reduction in Mile-a-minute weed cover in parts of East Asia and the Pacific





Our GOAL

**to protect and improve livelihoods
of over
50m poor rural households
impacted by invasive species**

Our STRATEGY

**A unique multi-sectoral and regional approach
to manage the world's worst invasive species**

**leveraging Plantwise
amplifying impact on the ground**



Adapting the human health model

General health care

Human health clinics

Adapting the human health model

Immunisation campaign

Polio campaign

Malaria campaign

Targeted health care



General health care



Leveraging Plantwise

Plantwise

Plant health clinics provide a touch point mechanism for advising individual farmers on invasive management options

Leveraging Plantwise, amplifying impact at scale

Invasives



Plantwise

Plant health clinics provide a touch point mechanism for advising individual farmers on invasive management options

Leveraging Plantwise, amplifying impact

Maize lethal
necrosis
disease

Host plant
resistance &
vector elimination

Early detection
and Eradication

Control and
restoration

Plantwise

Plant health clinics provide a touch point mechanism for
advising individual farmers on invasive management
options

Leveraging Plantwise, amplifying impact at scale

Tomato leaf
miner



Plantwise

Plant health clinics provide a touch point mechanism for advising individual farmers on invasive management options

Leveraging Plantwise, amplifying impact at scale

Prickly pear



Plantwise

Plant health clinics provide a touch point mechanism for advising individual farmers on invasive management options



The devastation caused by invasive species can be **halted** and even **reversed**

Incomes can be **improved**, crop yields **increased**, land can be **reclaimed**

Responding to the Global Agenda 2030

SUSTAINABLE DEVELOPMENT GOALS



SDG 2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture

SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

A young child with dark skin and short hair, wearing a yellow and blue plaid shirt, stands in a field of green plants. The child is looking towards the camera with a serious expression. The background is a soft-focus field of green foliage.

**We must
and we can
make this
work....**

A young child with dark skin and short hair, wearing a yellow and blue plaid shirt, stands in a field of green bushes. The child is looking towards the camera with a slight smile. The background is a soft-focus landscape of greenery and hills.

Will **you** work with us?

Thank you