

AgPortal

Trevor Nicholls, Chief Executive Officer

Member Countries Regional Consultation: Asia-Pacific
16-19 October, 2018, Beijing, China

AgPortal – what it is

An **agri-advisory tool** for use in the field, enabling field technicians to:

- Digitally record their observations
- Receive support in their diagnoses of pests and diseases
- Identify control methods
- Identify the correct dosage for pesticides





Market research feedback

- We built a website and carried out a pilot in Kenya
- Feedback was positive especially in relation to the diagnosis tool
- Barriers to adoption identified with SMEs:
 - Users don't have company phones
 - Users not experienced at using apps in the field
 - The go-to-market costs of reaching this new audience

Next steps



Partners for further development

- CABI has decided to pause on the technical build whilst it explores the business model
- Technology providers such as FarmForce are interested in AgPortal content
- Potential in various commodity sectors sponsoring development
- Donor bids being pursued to match-fund CABI's investment that would enable an app to be built

AgPortal

An independent service giving agronomists access to scientifically proven advice and information

Farm management



Record each farm visit, any observations of any pests, and then save and share the reports

Diagnosis



A hand curated tool that supports the diagnosis of pests and diseases for a particular crop

Pesticides & Management



Advice on how to manage pests using green methods
Search our pesticides database for registered products
Identify local agro-vets using our map

Training



Training on recognising and diagnosing pests and diseases with PestSmart, CABI's new e-Learning tool

AgPortal links supply and demand for quality inputs, to help farmers increase their yield and meet market requirements.

[Log-In](#)

Please Log-in to get full access to all these services

AgPortal

An independent service giving agronomists access to scientifically proven advice and information

Farm management



Record each farm visit, any observations of any pests, and then save and share the reports

Diagnosis



A hand curated tool that supports the diagnosis of pests and diseases for a particular crop

Pesticides & Management



Advice on how to manage pests using green methods

Search our pesticides database for registered products

Identify local agro-vets using our map

Spray Calibrator



Calculator that helps identify the correct dosage of pesticide to apply

Training & Certification



Training on recognising and diagnosing pests and diseases

AgPortal links supply and demand for quality inputs, to help farmers increase their yield and meet market requirements.

[Log-in](#)[Log-in \(Supervisor\)](#)

Please Log-In to get full access to all these services

Monitoring report



Which estate:

Camelia Estate



Which block:

D157



Date observations made:

14.02.2018

14:05:25



Go to Field Report



Monitoring report

Help me identify
a problem

Date: 05/02/2018

Block: D157

Monitoring stop: 1

Stop ①

(tap species to add)



Helopeltis



More photos



Add a photo

Sample 100 shoots at 10 stops



Looper



More photos



Add a photo

Sample 5 bushes at 10 stops



Blister blight



More photos



Add a photo

Sample 5 bushes at 10 stops

Add a new pest to estate report

Empoa



Empoasca



Add to my Scout Report

Add a beneficial insect to estate report

Hov



Hoverfly



Add to my Scout Report

Save Stop 1 to total



Diagnosis

Crop: Cabbage

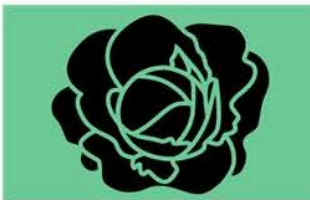
Change

Selection 1

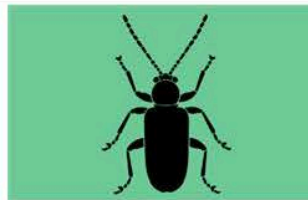
Change



What problem do you see?



Head



Insect



Leaf



Root/stem base



Seedling



Slugs and snails



[Ask my supervisor for help with this diagnosis.](#)

Diagnosis

Crop: Cabbage

Selection 1 Insect

Selection 2 Less than 5 mm

[Change](#)[Change](#)[Change](#)

What problem have you seen?



White winged insect (whitefly)



Soft pear-shaped body thin legs (aphid)



Tiny, yellow/brown cigar shaped (thrip)



[Ask my supervisor for help with this diagnosis.](#)



Diagnosis

Crop:	Cabbage	Change
Selection 1	Insect	Change
Selection 2	Less than 5 mm	Change
Selection 3	White winged insect (whitefly)	Change
Selection 4	Wings held tent like above body	Change



The most likely causes for the above descriptions on CABBAGE in Kenya are shown.

Please select one or more possible causes to get further help diagnosing this problem.

Picture		Common Names	Scientific Names
		Tobacco whitefly	Bemisia tabaci



[Ask my supervisor for help with this diagnosis.](#)





We have the following control options:

Cultural controls


Tobacco whitefly - Bemisia tabaci


- Water spray to reduce the population build up
- Use yellow sticky traps and water trays to monitor and reduce pest population
- Spray neem seed kernel extract 30-40g/l
- Use recommended plant spacing for the variety used
- Avoid excessive use of nitrogen fertiliser
- During dry spell practice mulching to conserve moisture
- Keep field free from residues, weeds and alternative hosts such as cotton, tomatoes, peppers
- Conserve natural enemies such as lady birds, lacewings, wasps and Parasitoids by a voiding use of broad spectrum insecticides

Biopesticide & chemical controls

Active Substances	Registered In EU	Registered In Kenya	WHO Toxicity Level	Product Name	Manufacturer	Information	Available Data	Product Label
Azadirachtin			NL	NEEMRAJ SUPER 3000	Neem India Products.	Insecticide/Nematicide to control aphids, thrips, whiteflies, DBM, bollworms and various species of nematodes in French beans, Snow peas, Roses, Cabbages, Kales, Peas.	Show Available Data	Info
Azadirachtin			U	NEEMRAJ SUPER 3000	Neem India Products.	Insecticide/Nematicide to control aphids, thrips, whiteflies, DBM, bollworms and various species of nematodes in French beans, Snow peas, Roses, Cabbages, Kales, Peas.	Show Available Data	Info

You can search our online database for further articles and help (internet connectivity required):


Search AgPortal online articles for **Bemisia tabaci**


Ask my supervisor for help with this diagnosis.

Pesticide Sprayer Calibrator

Show Distances in	Metres		Save My Defaults
Show Farm Area in	Hectares		
Show Sprayer Volume in	Litres		Load My Defaults

FARM DATA AND CALIBRATION

?	Sprayer Width	2.00	Metres
?	Walking Speed Whilst Spraying	10.00	Metres in 30.00 Seconds
?	Total Volume of backpack sprayer	20.00	Litres
?	Volume of water collected in bucket	750.00	Litres
?	Area to spray	0.50	Hectares

CHEMICAL INFORMATION

?	Chemical Application (from label)	10.00	Litres	per	Hectares
---	-----------------------------------	-------	--------	-----	----------

[Calculate Calibration Data](#)

شكرا جزيلًا
mercì
शुक्रिया
xìe-xìe
obrigado
efharistó
merci
zikomo
zi kò mò
gracias
zikomo
asante
urakoze
danke
terima kasih
dhanyawaad
ke itumetse
tak
thank you

CABI is an international intergovernmental organisation, and we gratefully acknowledge the core financial support from our member countries (and lead agencies) including:



Ministry of Agriculture and
Rural Affairs,
People's Republic of China



Agriculture and
Agri-Food Canada



Ministry of Foreign Affairs of the
Netherlands



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC