



# PRISE: A PEST RISK INFORMATION SERVICE

**Locations** Ghana, Kenya, Zambia

---

**Dates** 01-12-2016 - 31-12-2021

---

**Summary** Pests can decimate crops and are estimated to cause around a 40% loss. These insects, mites and plant pathogens can impact on food security and impede supply chains and international trade. A Pest Risk Information Service (PRISE) aims to solve this problem by using data to help farmers manage pests in up to five countries in sub-Saharan Africa.

---

## Results so far

Country stakeholder workshops have been held annually, and as a project we also hold an annual planning workshop, to review our progress and plan for the coming year. A formal launch of PRISE at the British High Commission has taken place in Ghana and Zambia with Kenya taking place in 2019.

To date, pest alerts have been disseminated to Plantwise plant doctors in Kenya, Ghana and Zambia, based on predictions from the system. We have received feedback on these alerts, and conducted field trials to validate the pest models, both of which we will use to improve the accuracy of the system and the pest risk alerts.

We have also gathered insights from our country partners on who are our additional audiences for PRISE alerts, and exactly what information in what format via which dissemination channel PRISE should focus on in coming iterations.

Our partners Kings College London are conducting Land Surface Temperature trials to validate the satellite earth observation data and calibrate the environment parameters within the pest risk models. This work is currently taking place in Kenya with Zambia soon to commence.

[Watch a video about PRISE.](#)

---

### Donors

Co-finance from Plantwise, UK Space Agency

---

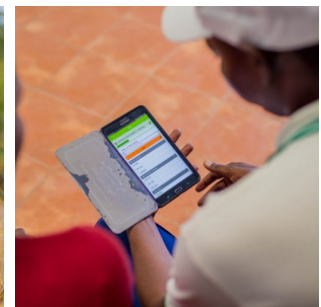
### Partners

Zambia Agriculture Research Institute (ZARI), Zambia - International partner, Ministry of Agriculture, Livestock and Fisheries, Kenya - International partner, Kenya Agricultural & Livestock Research Organization (KALRO), Kenya - International partner, Plant Protection & Regulatory Services Directorate (PPRSD), Ghana - International partner, Centre for Environmental Data Analysis - Project consortium, King's College London - Project consortium, Assimila - Project consortium

---

### CABI Project Manager

Charlotte Day



<https://site.cabi.org/what-we-do/projects>