Antibiotic use on crops in low and middle-income countries based on recommendations made by agricultural advisors... 

“Plantwise” supports extension service in 32 low- and middle-income countries in six regions to provide assistance to farmers... 

...and trains agricultural advisors and promotes plant clinics 

Insects and mites 
Pathogens 
Nutrient deficiencies 

Plant clinics help to diagnose and manage: 

Data from the clinics are stored; CABI holds half a million records 

Antibiotics were recommended for use on over 100 crops, with over 10% of the rice crops receiving an antibiotic in some countries 

Two of the most widely recommended antibiotics are of clinical importance, potentially increasing the spread of antibiotic-resistant infections 

International cooperation is required to ensure antibiotic use is regulated so that antibiotics are used appropriately without spreading resistance 

Overuse of antibiotics has led to antibiotic resistance becoming prevalent, leading to a global crisis in healthcare 

However, antibiotic use in crop production is poorly regulated and poorly documented 

11 countries from 4 of the 5 WHO regions studied recommended antibiotic use on crops, but no use was recorded in Africa 

Antibiotic Use in Crop Production Is Far More Widespread than Previously Thought