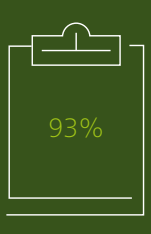
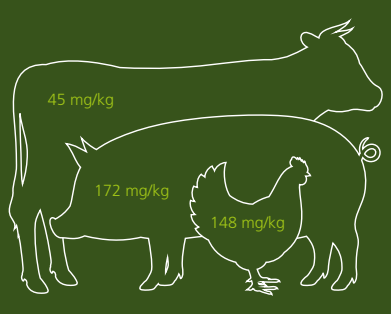
Antimicrobial resistance

The Facts

Majority of medically important antibiotics are used in animals



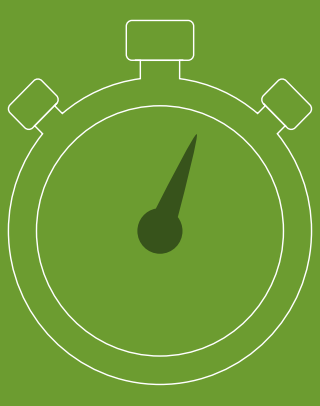
93% of academic papers agree that we need to limit antibiotic use in animals



Average consumption ranges between 45-172 mg/kg of animal

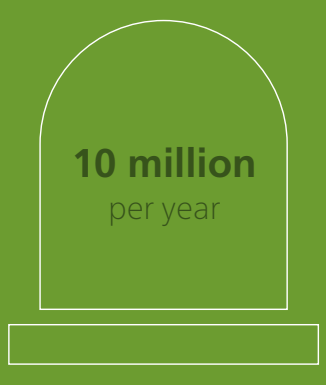
75% of antimicrobials used in animals are deemed medically important for humans

The impact by 2050



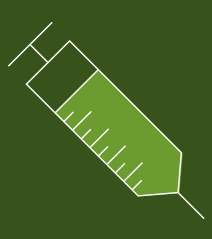
One person will die every 3 sec. due to antimicrobial resistance

Global GDP cost will be more in US dollars than there are synapses in the human brain



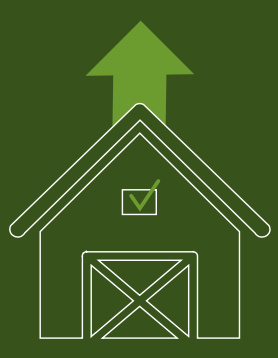
AMR will be the leading cause of death

The Solutions

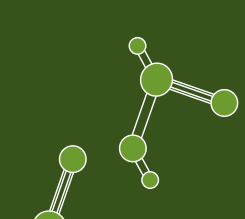


Vaccination can reduce the risk of disease

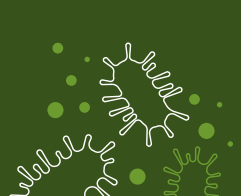
Improved rapid diagnostics make sure the right antibiotics are used for treatment



Improved farm hygiene and management can prevent infections



Organic acids reduce bacterial loads



Probiotics reduce harmful bacteria through competitive exclusione

Improved feed hygiene reduces pathogenic pressure

Protect your feed

During feed production products like ProPhorce™ Feed Hygiene or ProSid™ MI 700 reduce microbial contamination and inhibit molds

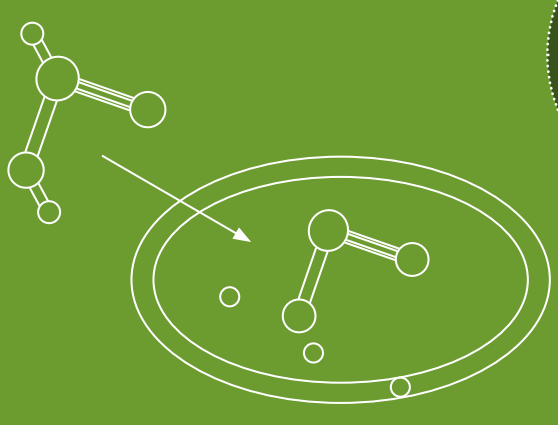
ProPhorce™ Feed Hygiene prevents recontamination from the feed mill to the animal

The animal should receive the highest quality feed with the lowest microbial load

Did you know?
100 tons of ProPhorce™ SR can be fed to 10 mill, broilers that could be eaten by 15 million people

Antimicrobial effects

The antimicrobial effect of organic acids are due to their low molecular weight and lack of polarity. This allows them to penetrate the cell wall where they release their H+ ion, lower the pH in the cell and disturbing the cells DNA and ability to replicate



Protect the animal

Formic-lactic acid based solutions are added to help lower pH value in the stomach and improve nutrient breakdown.

These solutions also inhibit pathogenic bacteria from entering the intestine.