

A person in a dark jacket and hat is herding sheep in a green field. A semi-transparent globe with a pig silhouette is overlaid on the image. The text '非洲猪瘟东方遇见西方' is at the top, followed by 'African Swine Fever' and 'East Meets West' in large yellow letters.

非洲猪瘟东方遇见西方

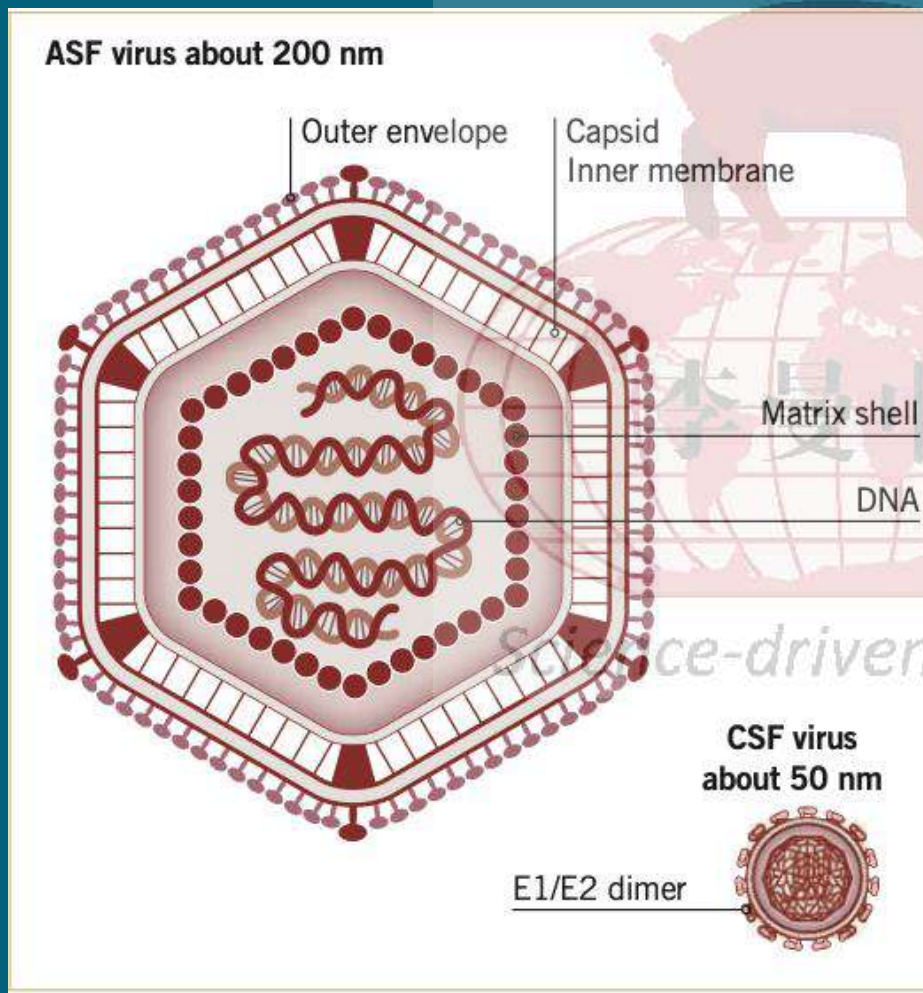
African Swine Fever

East Meets West

Dr John Carr
Portec Apiam WA
Melbourne and Adelaide Universities

Science-driven solutions[®]

非洲猪瘟疫 African Swine Fever





- Natural habitat



这次疫情 This latest pandemic

Asia 亚洲

Europe. 欧洲



它是如何传播的 How did it spread



The ASF virus can be spread through contact with infected animals, their excretions, or carcasses.



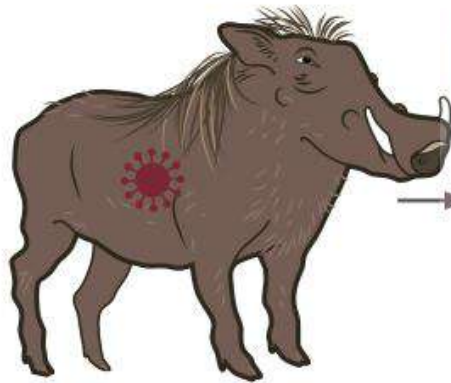
Bites by infectious ticks.



Contact with objects contaminated by the virus such as clothing, vehicles, and other equipment.



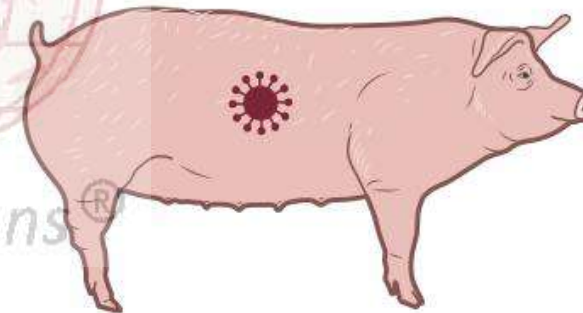
Ingestion of meat or meat products by infected animals – kitchen waste, swill feed.



Warthogs are naturally resistant to the virus and usually do not develop clinical disease. They get infected as piglets and develop lifelong immunity.



Wild boars, in which the virus is endemic, are usually exposed through contact with warthogs.



Domestic pigs are exposed through contact with infected pigs from other farms and wild boars. Spread is facilitated by human activities, such as movement of animals due to trade, or sale of infected meat or animals.

Science driven solutions®





欧洲和亚洲疫情有何明显差异 What are the obvious differences between Europe and Asia outbreaks

Europe

Type 2

Type 1
Sardinia

Typically
Not
commercial
Pigs

Ukraine
Big
outbreak
At moment



Asia

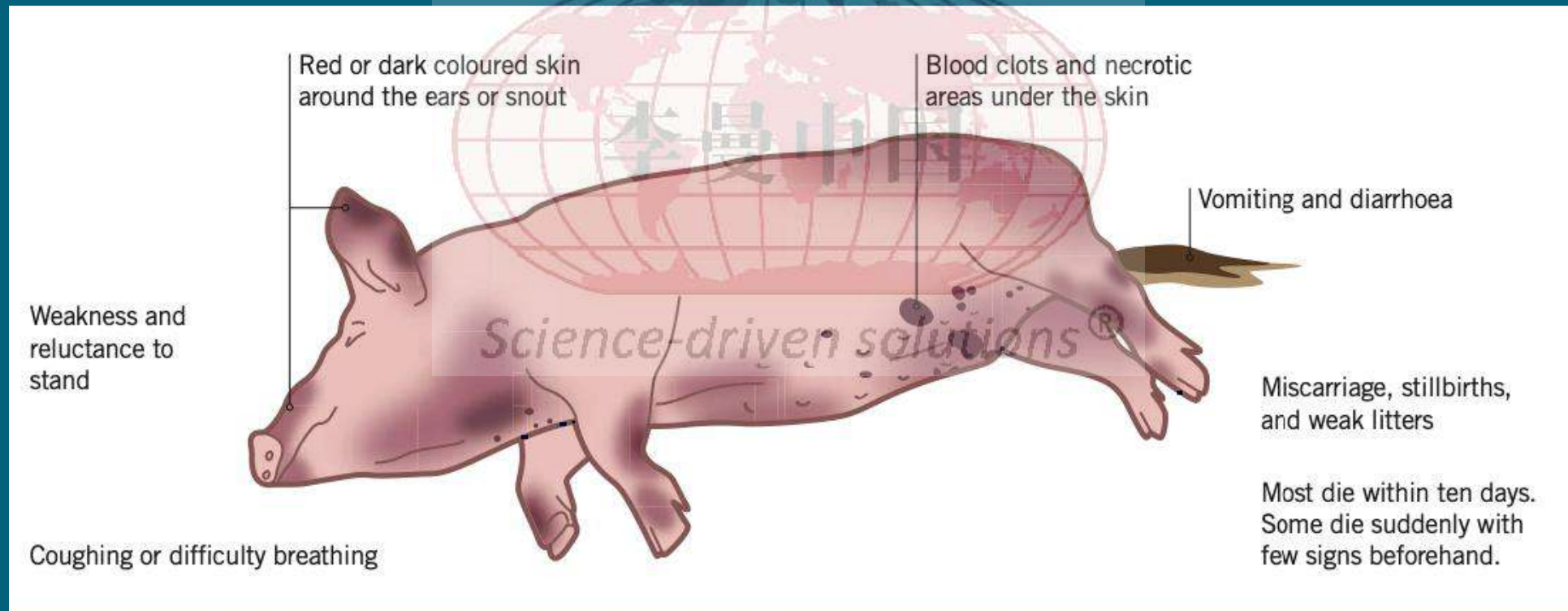
Type 2

Type 1 vaccine
Type 2 vaccine
Type 1/3

More mixed
farms

临床症状 Clinical signs

- 10 years ago most in the room would not have known much about ASF but now a career move





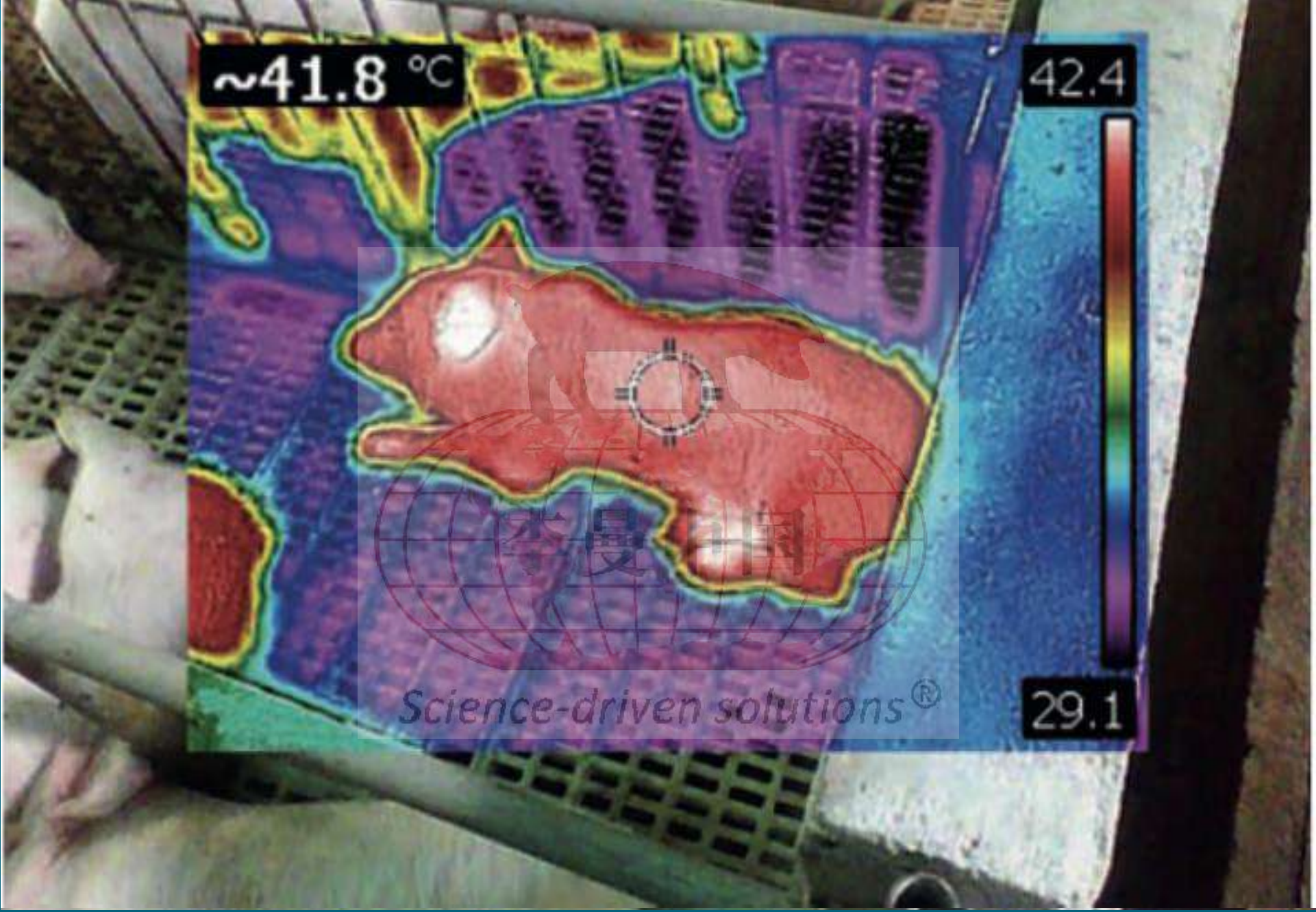


Science-driven solutions®



泰昌国际

Science-driven solutions®





泰昌国际
Science-driven solutions®

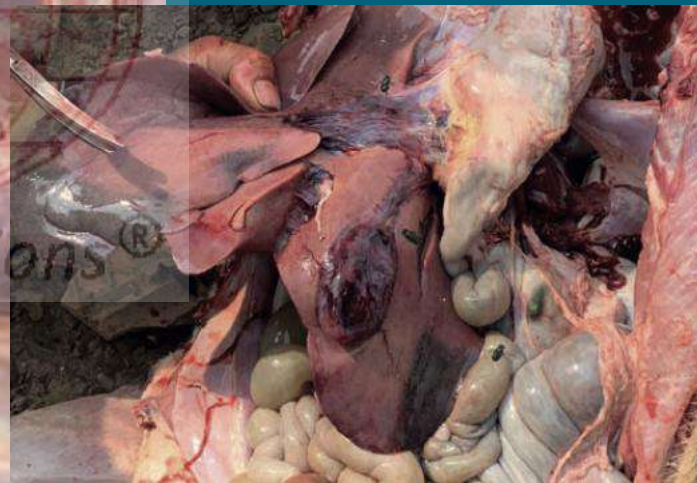
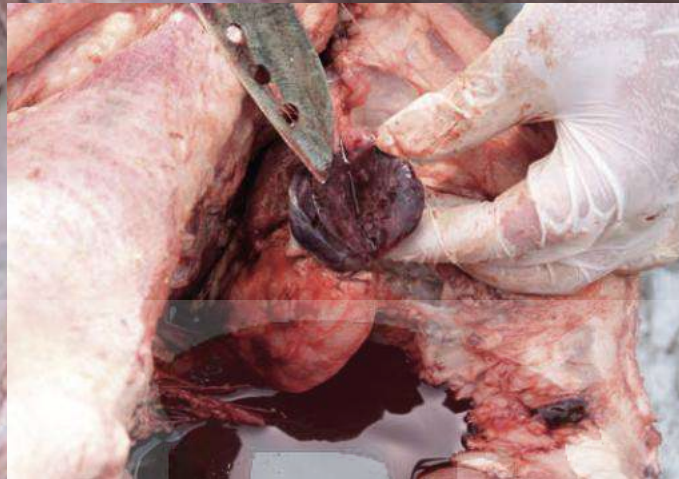
事后分析

Postmortem



Normal

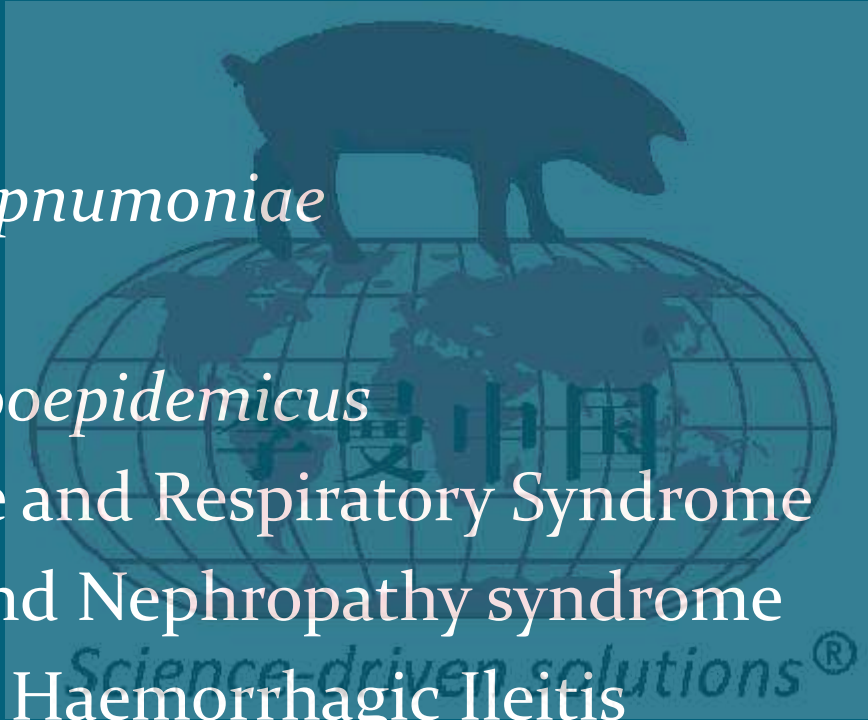
Science-driven solutions®



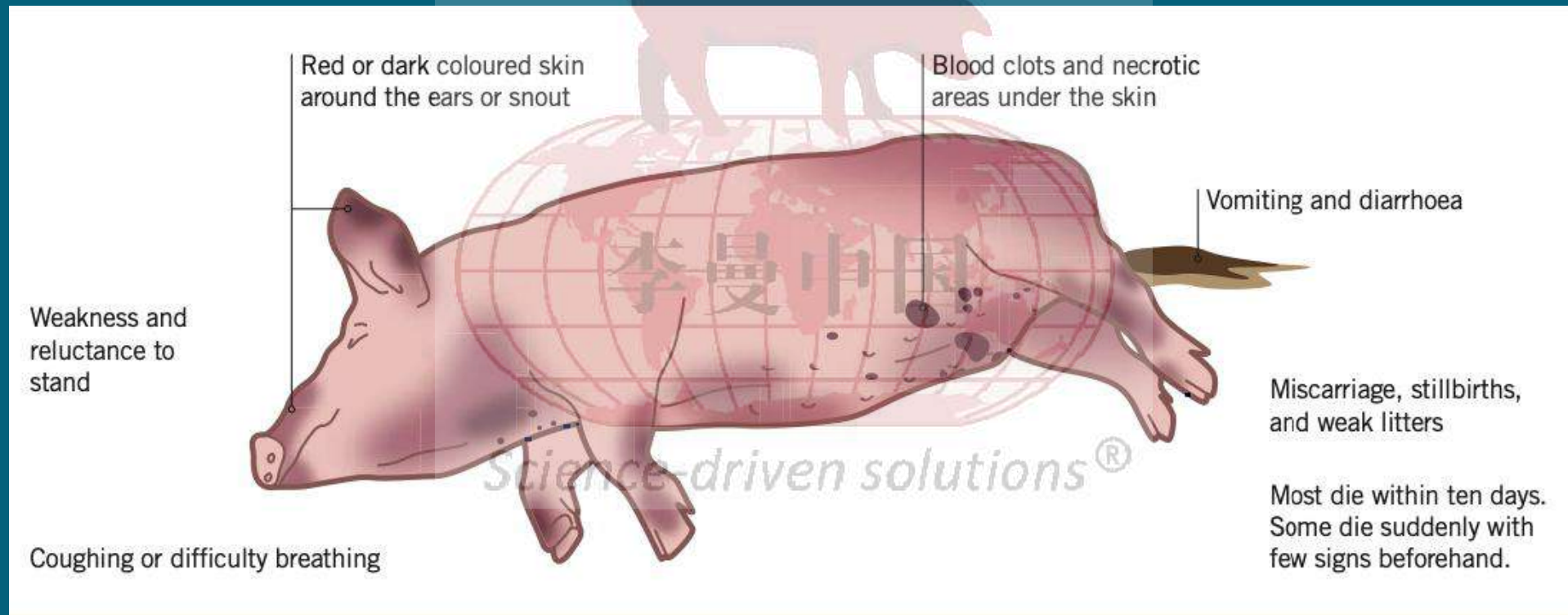


什么不是 ASF What is not ASF

- Salmonella
- *Actinobacillus pleuropneumoniae*
- Erysipelas
- *Streptococcus equi zooepidemicus*
- Porcine Reproductive and Respiratory Syndrome
- Porcine Dermatitis and Nephropathy syndrome
- Swine Dysentery and Haemorrhagic Ileitis



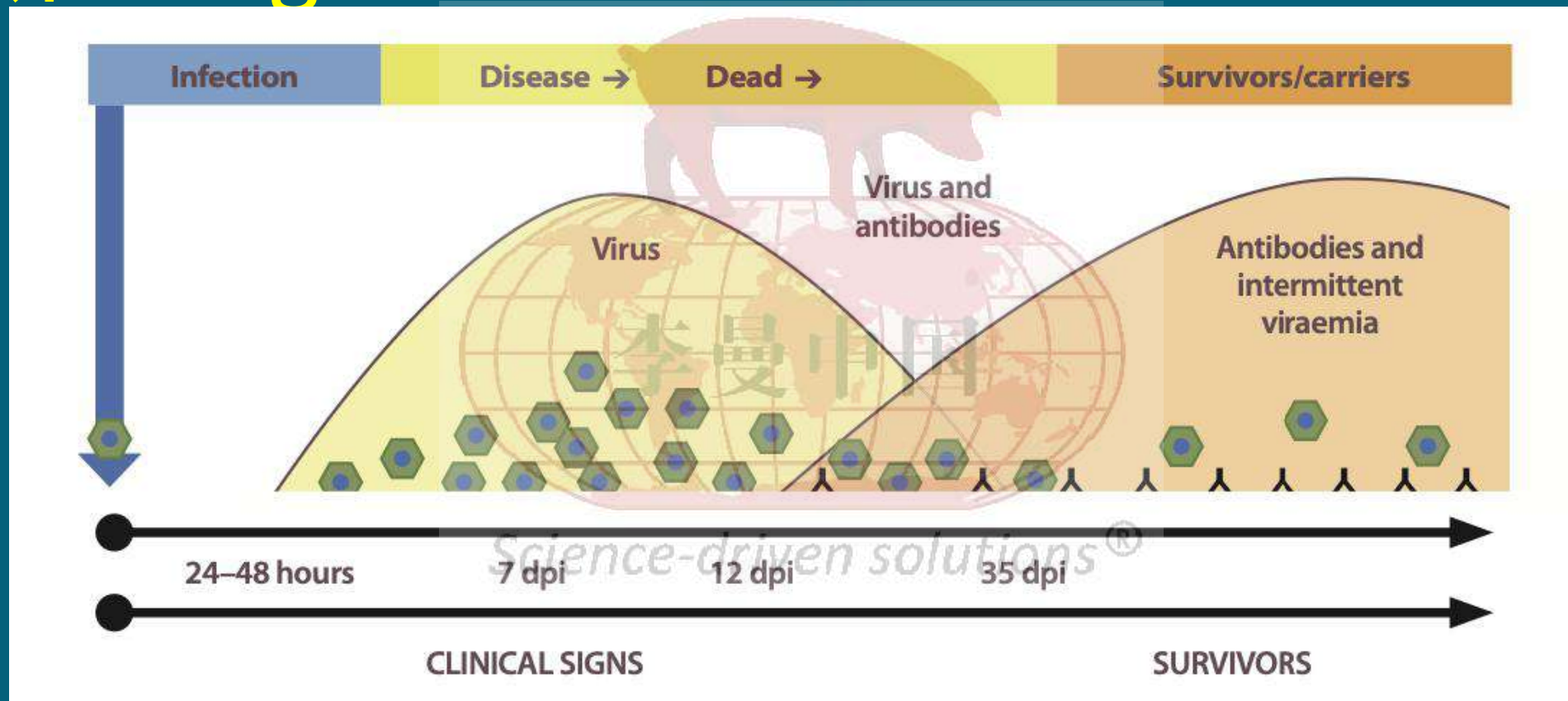
Hog Cholera – Classical Swine Fever





Science-driven solutions®

诊断. Diagnostics

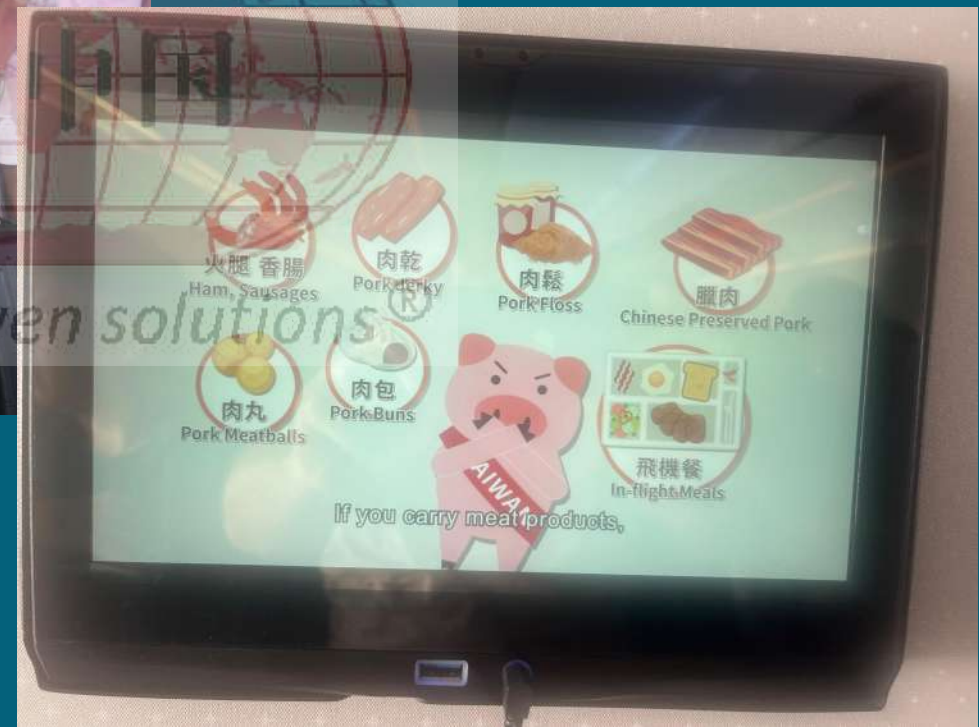


我们该怎么做才能停止关注人

What can we do to stop Stop focusing on people

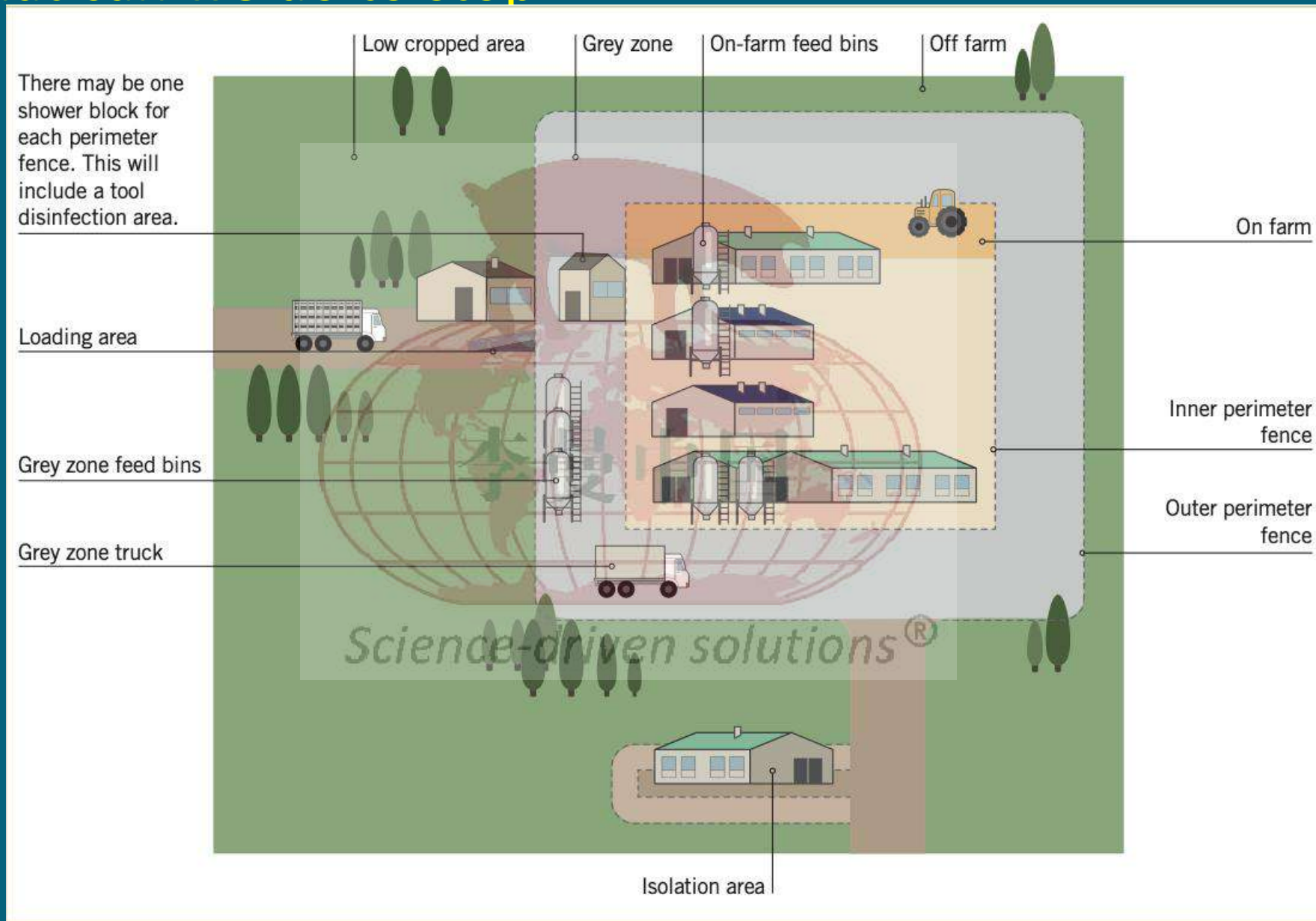


People are not a risk Their hands?



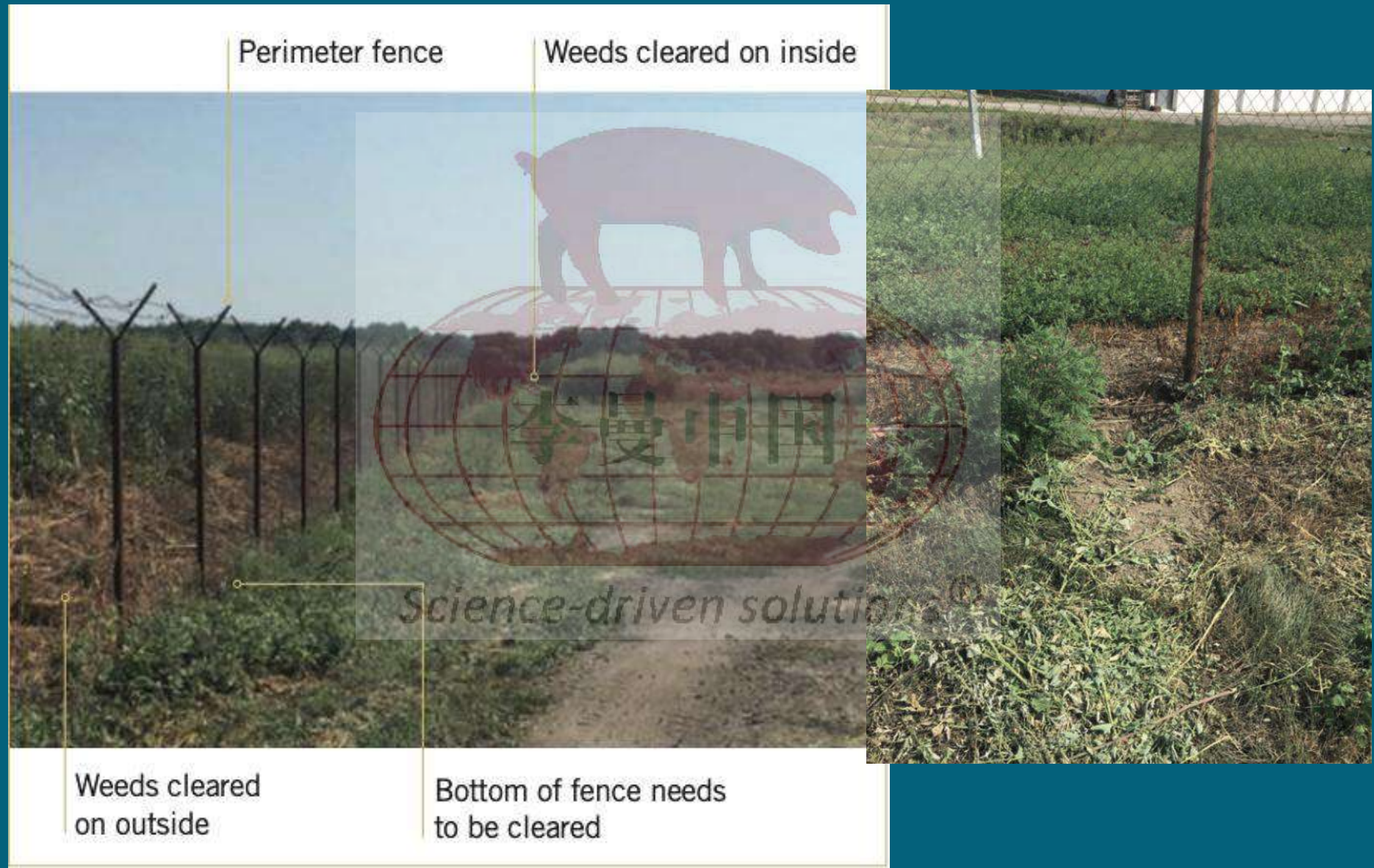
我们可以做什么来阻止

What can we do to stop



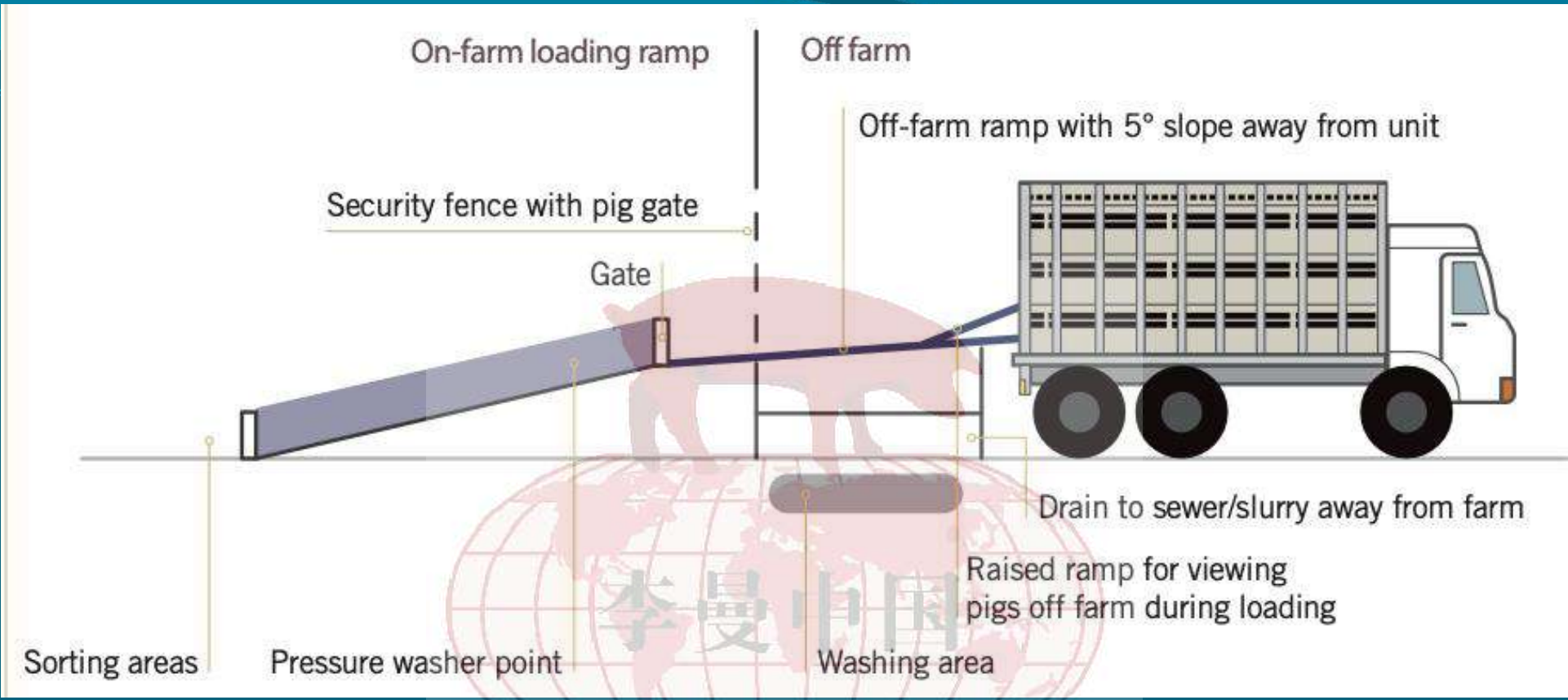
喜欢你的围栏

Love your perimeter fence







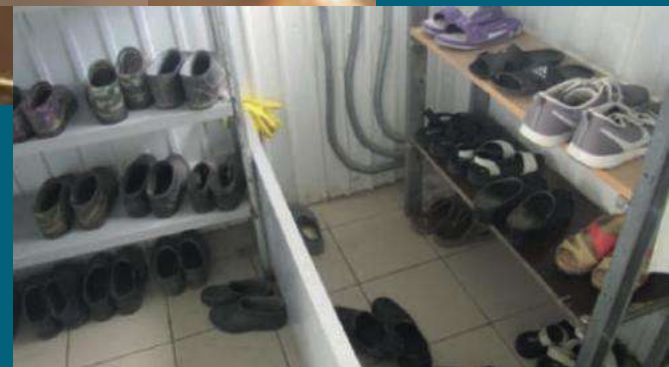




Science-driven solutions®



Science-driven solutions®

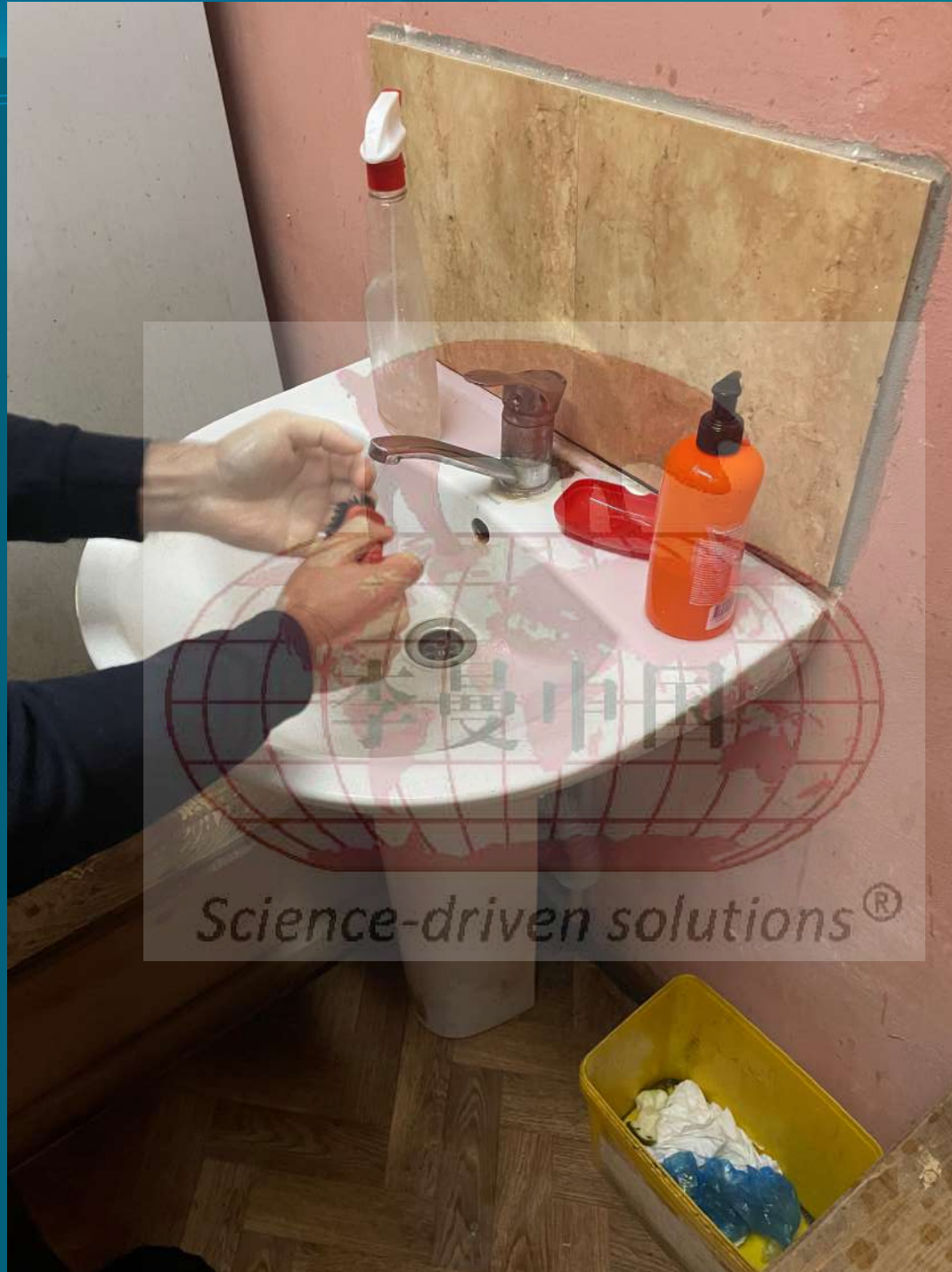


Nail bed

Knuckles

Inside of
thumb and
fingers





Science-driven solutions®



NO PORK
不含猪肉



Science-driven solutions®

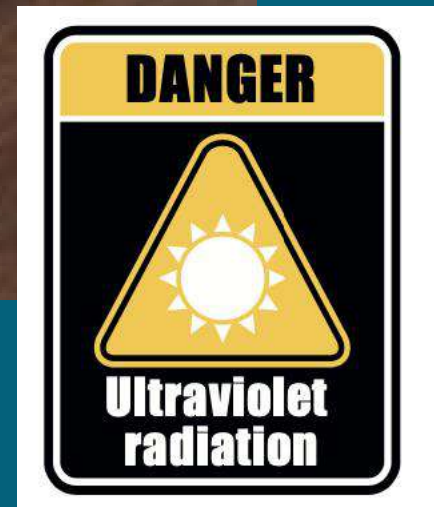
Live on farm? Or not
住在农场吗？或者不







Science-driven solutions®



Feed?

- Wet maize?

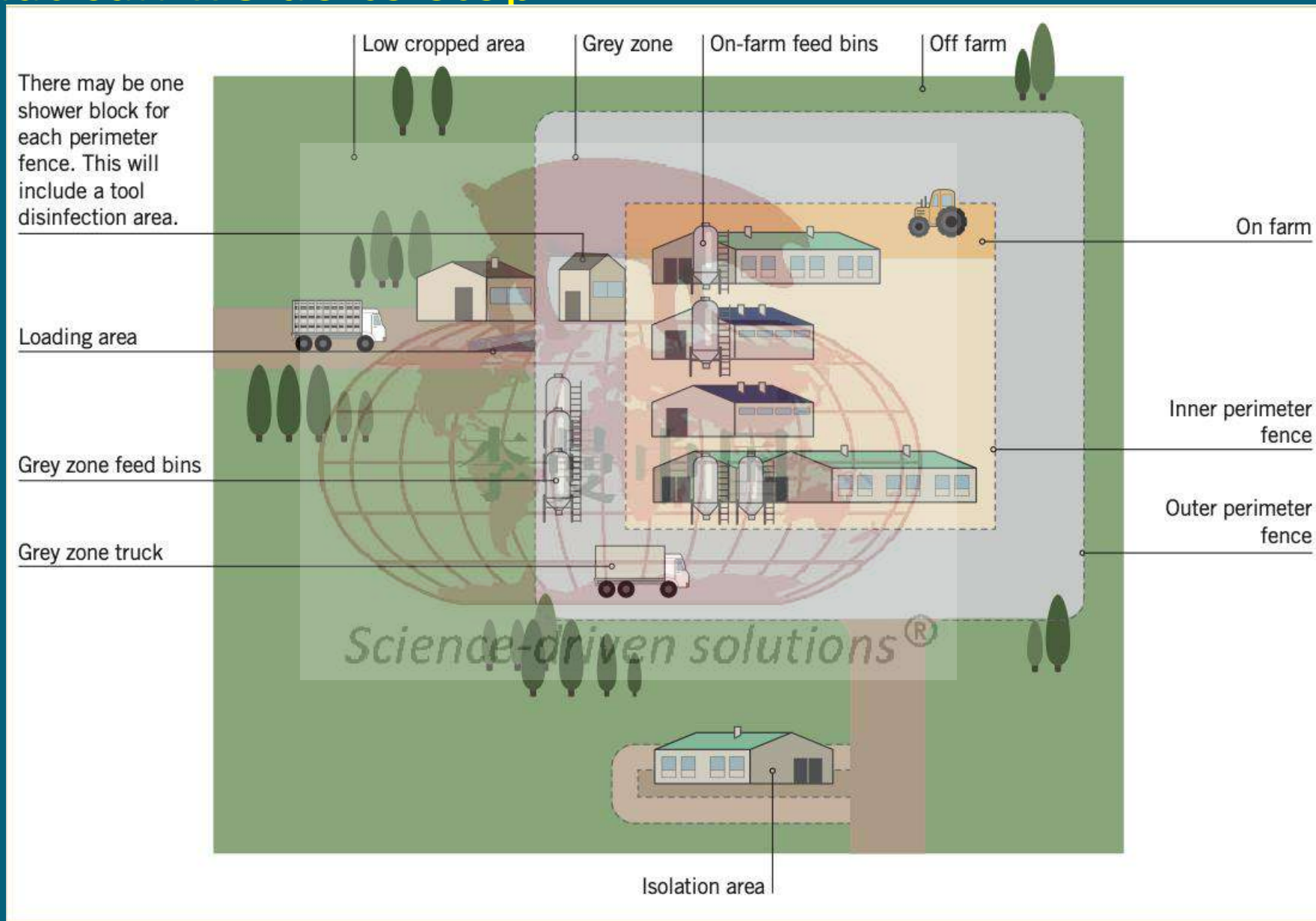


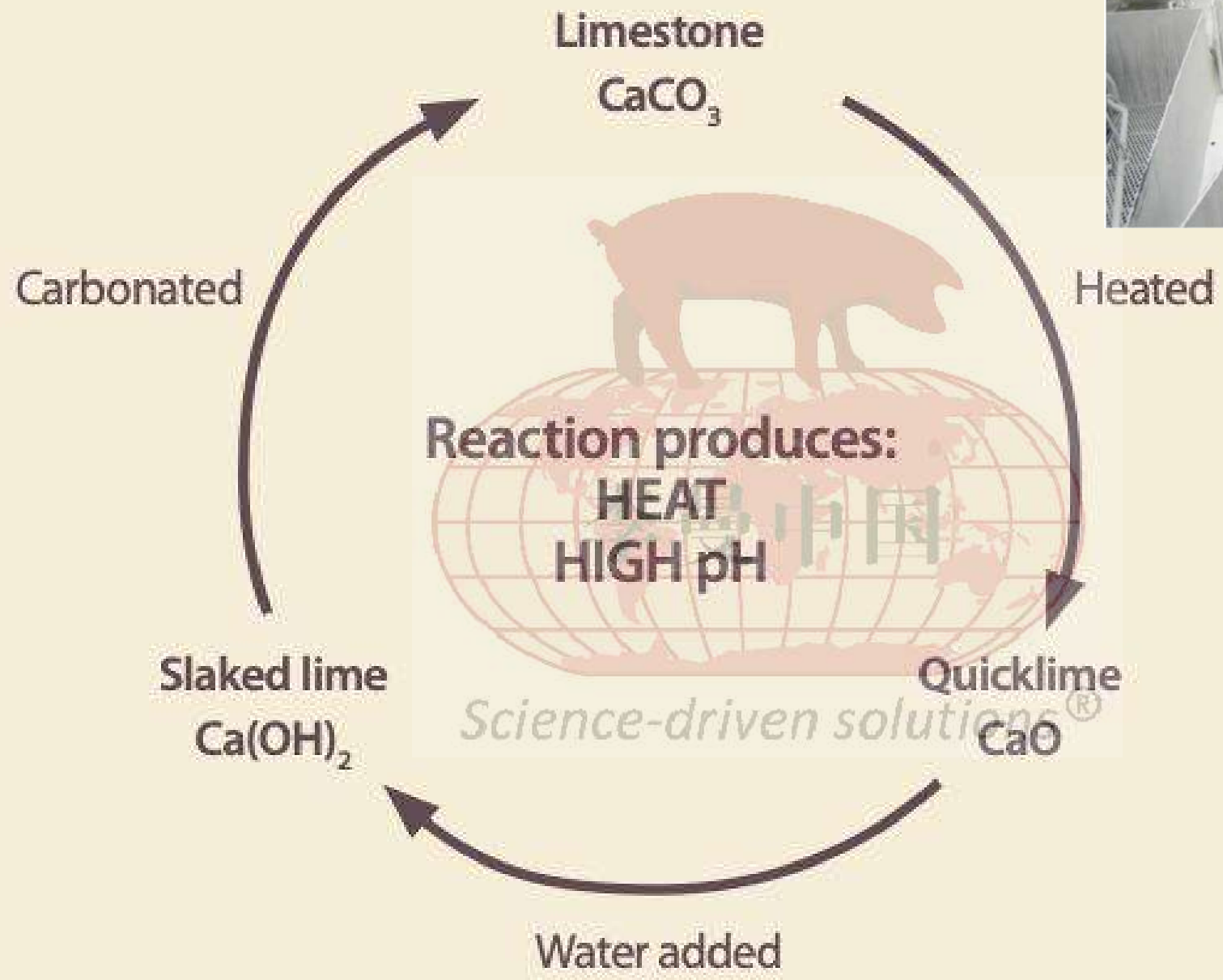


Science-driven solutions®

我们可以做什么来阻止

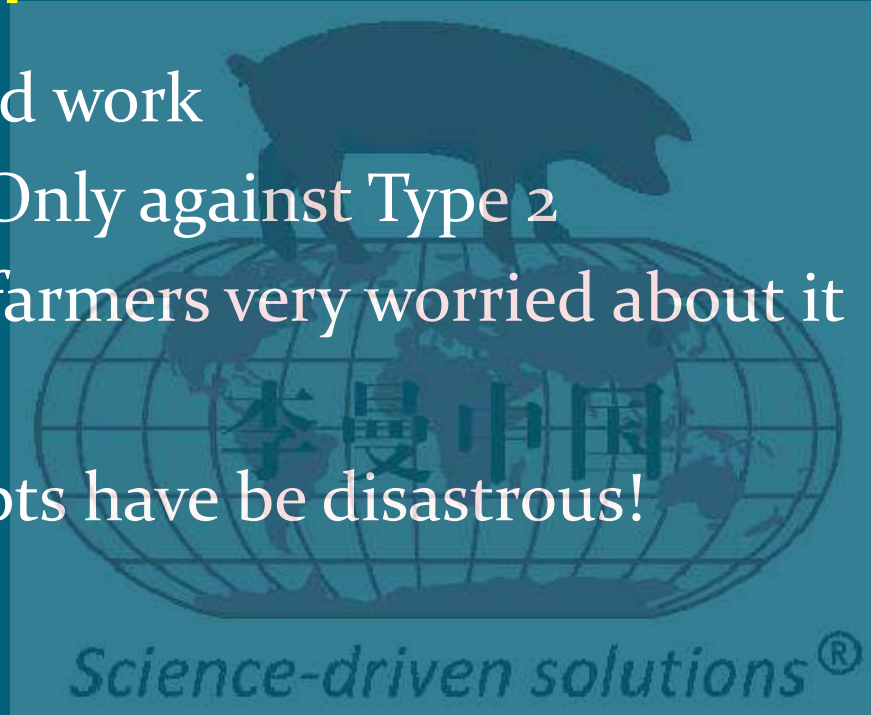
What can we do to stop





Vaccine. 疫苗

- Not enough published work
- Vietnamese vaccine Only against Type 2
- It appears safe – but farmers very worried about it
- Other vaccine attempts have be disastrous!





Science-driven solutions



Pig farms can and do recover

养猪场可以而且确实会恢复



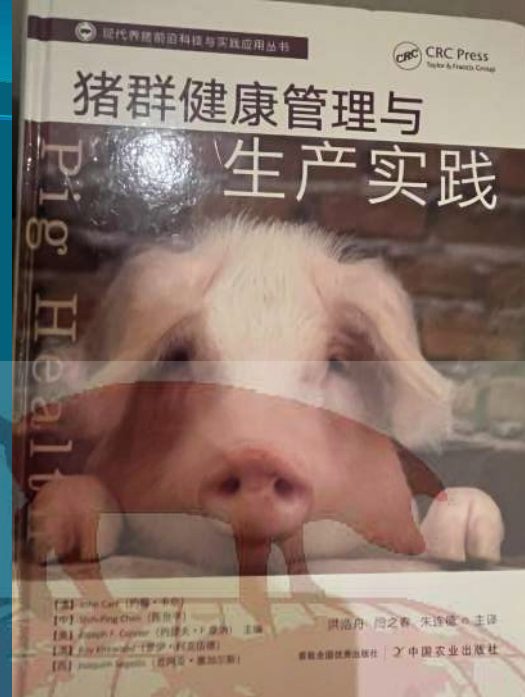
Coach. 教练



Science-driven solutions®

Many
thanks
indeed

非常感谢



李曼中国

Science-driven solutions

