

ZOETIS CENTER FOR TRANSBOUNDARY AND EMERGING DISEASES

THE AMERICAS REGION

Zoetis, the global animal health company, mobilizes response to outbreaks of infectious diseases through the company's **Center for Transboundary and Emerging Diseases**. The Center brings together Zoetis scientists and experts who draw upon resources from across the company. The team works closely with leaders from government, health organizations, and the veterinary and livestock agricultural communities to detect infectious disease threats early through surveillance and develop solutions, including vaccines and diagnostic tests, to help rapidly control them.

Preventing and controlling infectious disease outbreaks is ever more important to protect animal and human health; to help assure a safe, sustainable supply of animal protein; and to safeguard the livelihoods of farmers. Up to 20 percent of food production animals are lost to disease annually with an associated cost of \$120 billion from 1995 to 2008, according to the World Organization for Animal Health (OIE). Add to that the fact that 60%¹ of human infectious diseases are zoonotic, meaning they transmit between animals and people, and an estimated 75%¹ of emerging diseases are zoonotic.

PRIORITY TRANSBOUNDARY ANIMAL DISEASES BY REGION

REGION	PRIORITY DISEASES
The Americas	(1) Foot and Mouth Disease (FMD), (2) Classical Swine Fever (CSF), (3) Rabies, (4) New World Screwworm (NWS), (5) Bovine Spongiform Encephalopathy (BSE), (6) Highly Pathogenic Avian Influenza (HPAI)

Source: Global Framework for the Progressive Control of Transboundary Animal Diseases - Priority Animal Diseases²

UNITED STATES HIGH-CONSEQUENCE FOREIGN ANIMAL DISEASES AND PESTS

TIER 1	TIER 2	TIER 3
<ul style="list-style-type: none"> African Swine Fever (ASF) CSF FMD HPAI Newcastle Disease (NDV) 	<ul style="list-style-type: none"> Heartwater NWS Rift Valley Fever Virus (RVF) Venezuelan Equine Encephalitis (VEE) 	<ul style="list-style-type: none"> African Horse Sickness (AHSV) Contagious Bovine/Caprine Pleuropneumonia Glanders and Melioidiosis Henipaviruses (Hendra and Nipah) Rinderpest Peste des petits Ruminants (PPRV) Tropical Bont Tick

Source: USDA APHIS Veterinary Services High-Consequence Foreign Animal Diseases and Pests Fact Sheet³

¹ <https://www.cdc.gov/onehealth/basics/zoonotic-diseases.html>

² <http://www.gf-tads.org>

³ https://www.aphis.usda.gov/publications/animal_health/2013/fs_hc_diseases.pdf

ZOETIS SERVICES

Predict: Biosurveillance Networks, Outbreak tracking/prediction tools

Prevent: Approved Vaccines, Rapid Response Vaccine Platform Systems, Farm Biosecurity, Animal Health Protocols

Detect: Diagnostic Tests, Biosurveillance Networks

Global R&D Network: Centers in the U.S., Europe (Belgium, Denmark, Norway, Spain), Brazil, China, India, Vietnam

Global Manufacturing and Supply Network: Vaccine manufacturing facilities in U.S., Europe (Belgium, Norway, Spain), Australia, Brazil, China

ZOETIS AT A GLANCE

60+

Our years of experience in animal health

9,000

Approximate number of Zoetis colleagues

57%¹

Revenue from farm animal products

100+

Countries in which Zoetis products are sold

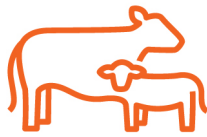
\$5.3 BILLION

Annual revenues (2017)

42%¹

Revenue from companion animal products

8



Species supported by Zoetis – cattle (beef and dairy), swine, poultry, sheep, fish, dogs, cats and horses

5



Product categories supported by Zoetis – vaccines, parasiticides, anti-infectives, medicinal feed additives and other pharmaceutical products

300

Approximate number of product lines



25



Number of Zoetis manufacturing sites – all dedicated to delivering a reliable supply of quality products

1,000



Approximate number of R&D colleagues

2,900

Approximate field force members



¹Excludes revenue associated with Client Supply Services, which represented 1% of total 2017 revenue.

FOR MORE INFORMATION

Contact zoetis.cted@zoetis.com or visit Zoetis.com/innovation.