

### **BENEFITS FOR ANIMALS**

Vaccines are the first line of defense against animal disease



Combined with quality nutrition and biosecurity practices that prevent the spread of disease on farms, animal vaccines:



#### Help fight disease to protect the animal

and lessen the impact of illness.1



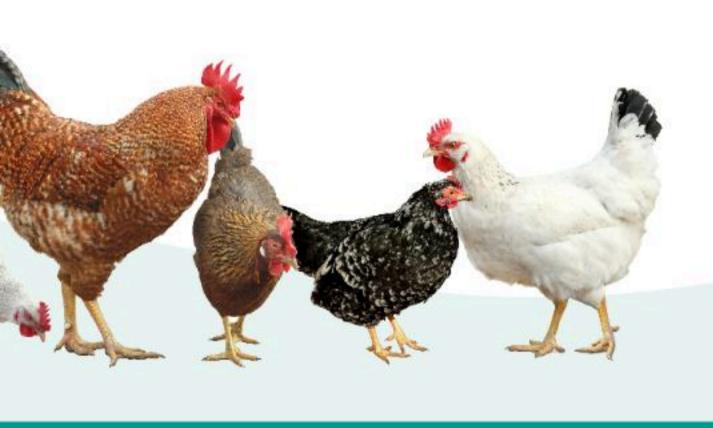
#### Benefit the herd

by building immunity and preventing disease outbreaks.2



#### duration of illness, resulting in improved animal

health and well-being.





# **BENEFITS FOR PEOPLE**

to feed a growing world population

Healthier animals produce more protein



60% **OF CATTLE** globally increases beef production to feed an additional

Vaccinating

3.1 billion people.3 1%

like vaccination increases milk production to support an additional 80 million people.3 Vaccination is the

reduction in dairy cattle

disease rates through preventative measures



against disease Poultry disease was associated with a 5% increase in global hunger or 34 million people in 2019.3

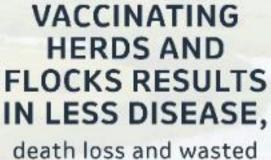


## Healthy animals produce less emissions<sup>3</sup>

**BENEFITS FOR THE ENVIRONMENT** 



to grow, reducing the environmental footprint of animal agriculture.3



resources.



THE INFECTION RATE OF HERDS is associated with a reduction in

greenhouse gas emissions.3

Vaccines are crucial to support the

health of animals, people and the environment.

- National Library of Medicine. Richeson, J., Hughes, H., Broadway, P., Carroll, J. Vaccination Management
- doi: 10.1016/j.cvfa.2019.07.003. https://pmc.ncbi.nlm.nih.gov/articles/PMC7125876/#abs0010. Retrieved Feb. 3, 2025. <sup>2</sup> Columbia University Irving Medical Center. Columbia Mailman School of Public Health. The Relationship.

FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE.

- Between Vaccines and Herd Immunity. April 9, 2021. https://www.publichealth.columbia.edu/news/ relationship-between-vaccines-herd-immunity. Retrieved Feb. 3, 2025.
- 3 Oxford Analytica. Animal health and Sustainability: A Global Data Analysis. A Report Produced for HealthforAnimals. April 18, 2023. 1-60. https://healthforanimals.org/wp-content/uploads/2023/07/



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Animal-health-and-Sustainability-A-Global-Data-Analysis-July-23.pdf. Retrieved Feb. 3, 2025.

of Beef Cattle: Delayed Vaccination and Endotoxin Stacking. Oct. 4, 2019;35(3):575-592.