



LEPTOSPIROSIS IS HARD TO DETECT. NOW HELPING PREVENT IT CAN BE EASY.

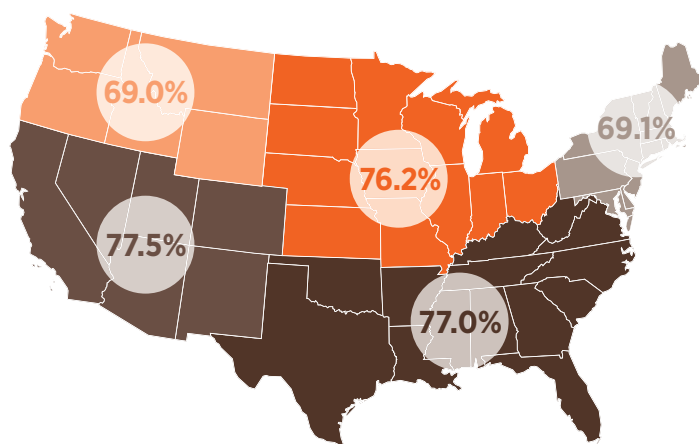
Equine leptospirosis is a bacterial disease caused by spirochetes belonging to the genus *Leptospira*. Because the clinical signs of infection are often nonspecific, disease in horses may be underdiagnosed.

HORSES ACROSS THE COUNTRY MAY BE AT RISK.

Serologic studies show that exposure to *Leptospira* may be more prevalent than previously understood.^{1,2} In a 2014 study of 5,261 healthy horses, 75% of the horses tested positive for at least one leptospiral serovar.¹

REGIONAL SEROPREVALENCE

- Northeast — 69.1%
- South — 77.0%
- Midwest — 76.2%
- Pacific Northwest — 69.0%
- Southwest — 77.5%



HELP PROTECT YOUR PATIENTS WITH LEPTO EQ INNOVATOR®

Developed specifically for horses, LEPTO EQ INNOVATOR is the first and only equine vaccine to help prevent leptospirosis caused by *L. pomona* and can help reduce the spread of leptospirosis. The vaccine targets *Leptospira interrogans* serovar Pomona, which is most frequently associated with disease in horses.³

LEPTO EQ INNOVATOR helps prevent leptospiremia caused by *L. pomona*, which could, but has not been demonstrated to, help reduce the potential risk of equine recurrent uveitis, abortion or acute renal failure caused by *L. pomona*.*

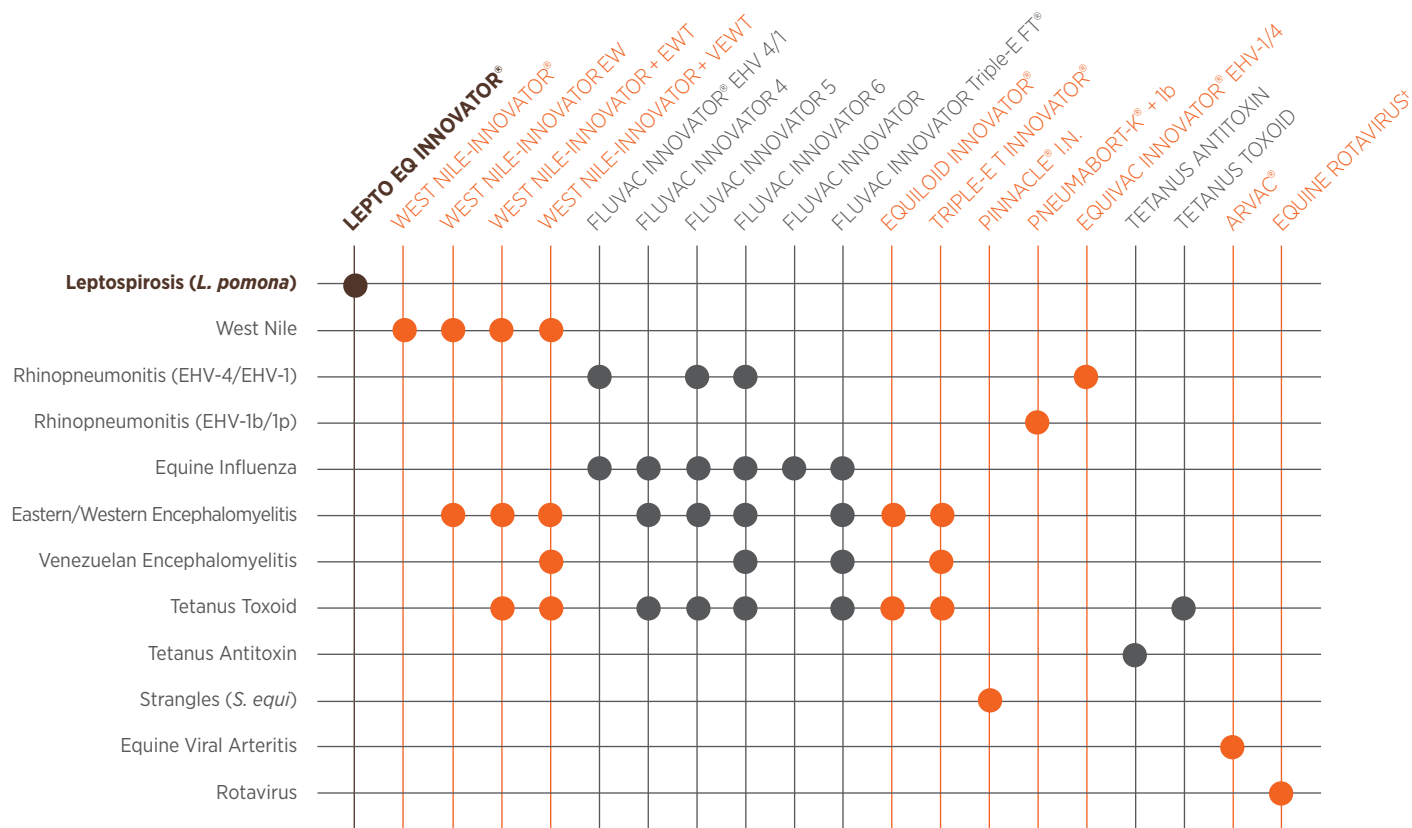
DEMONSTRATED TO BE SAFE AND EFFECTIVE

In safety and efficacy trials, LEPTO EQ INNOVATOR was shown to provide a safe immune response. An efficacy study demonstrated that horses vaccinated with LEPTO EQ INNOVATOR and challenged with *L. pomona* showed 0% bacterial shedding in the urine.⁴

- The estimated losses from *Leptospira*-associated abortions in Thoroughbred horses alone during a season with heavy rainfall was \$4.2 million.^{2,5}
- The estimated economic impact of *Leptospira*-associated equine recurrent uveitis (ERU) in the U.S., including the cost of diagnosis, treatment and loss in horse value due to visual impairment or blindness was \$2.1 billion.⁶⁻¹²

SHOWN TO BE **99.8% REACTION-FREE** IN RECENT FIELD STUDIES^{13,14}

LEPTO EQ INNOVATOR® IS PART OF A BROAD RANGE OF TRUSTED VACCINES FROM ZOETIS.



TO TAKE THE LEPTOSPIROSIS RISK ASSESSMENT AND LEARN MORE ABOUT LEPTO EQ INNOVATOR®, VISIT **LEPTOEQINNOVATOR.COM** OR CONTACT YOUR ZOETIS REPRESENTATIVE.

*Currently, there are no vaccines available with USDA-licensed label claims against equine abortions, uveitis or acute renal failure due to *L. pomona*.

†This product license is conditional. Efficacy and potency test studies are in progress. Please consult your veterinarian.

References:

- ¹ Data on file, Study Report No. Restricted Grant-FTLEPT013 (v1.0) TI-01366, Zoetis Inc.
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- ⁴ Data on file, Study Report No. B850R-US-12-011, Zoetis Inc.
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- ⁶ Polle F, Storey E, Eades S, et al. Role of intraocular *Leptospira* infections in the pathogenesis of equine recurrent uveitis in the southern United States. *J Equine Vet Sci*. 2014;34:1300-1306.
- ⁷ Borstel MV, Oey L, Strutzberg-Minder K, Boeve MH, Ohnesorge B. Direkter und indirekter Nachweis von Leptospiren aus Glaskörperproben von Pferden mit ERU. *Pferdeheilkunde*. 2010;2(März/April):219-225.
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- ⁹ Faber NA, Crawford M, LeFebvre RB, Buyukmihci NC, Madigan JE, Willis NH. Detection of *Leptospira* spp. In the aqueous humor of horses with naturally acquired recurrent uveitis. *J Clin Microbiol*. 2000;38(7):2731-2733.
- ¹⁰ Dwyer AE, Kalsow CM. Visual prognosis in horses with uveitis, in *Proceedings*. Amer Soc Vet Ophthalmol Annu Meet 1998;1-8.
- ¹¹ GAO. Horse Welfare: Action Needed to Address Unintended Consequences from Cessation of Domestic Slaughter. Available at: <http://www.gao.gov/products/GAO-11-228>. Published June 22, 2011. Accessed September 28, 2015.
- ¹² Pick M, von Salis B, Schuele E, Schön P. *Der Verkehrswert des Pferdes und seine Minderungen* ("Value of horses and its depreciations"). 3rd ed. Berlin, Germany: Veterinärspiegel Verlag GmbH; 2012.
- ¹³ Data on file, Study Report No. B951R-US-13-043, Zoetis Inc.
- ¹⁴ Data on file, Study Report No. B951R-US-13-046, Zoetis Inc.