WHAT’S BEHIND THE BUZZ ABOUT NEWER WNV STRAINS?
NOT MUCH.
Only WEST NILE-INNOVATOR® vaccine was shown to be effective against a 2003 outbreak among immunologically naive horses.¹

**Demonstrated efficacy**

- The only vaccine credited for helping reduce the number of equine WNV cases by nearly 70 percent from 2002 to 2003.²
- Veterinarians’ #1 choice for equine WNV protection. More than 30 million doses sold.³
- One dose annual revaccination.

**Advanced technology**

- The only WNV vaccine adjuvanted with MetaStim® for improved immune response.
- Helps stimulate fast, antigen-specific, cell-mediated and humoral responses against West Nile virus.⁴

MetaStim stimulates a fast immune response,

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<th>METASTIM DUAL-PHASE ADJUVANT SYSTEM</th>
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**Convenient combinations**

- *The Mosquito Shot™* (WEST NILE-INNOVATOR + EWT) helps protect against WNV, eastern equine encephalomyelitis, western equine encephalomyelitis and tetanus in one convenient vaccine.
- Four combinations to fit any vaccination protocol.
- Ready to use – no reconstitution required.
Research shows that North American West Nile strains are > 99% similar.⁵-⁷

“The presence of single amino acid substitutions...is unlikely to have any significant impact on the efficacy of WN vaccines currently in use or in development.”⁸

David W.C. Beasley, Department of Microbiology and Immunology, University of Texas Medical Branch

- Phylogenetic analysis shows WNV genotypes are >99% homologous.⁵-⁷
- Researchers found no detectable difference in vitro between WN '02 and NY '99 in either replication or pathogenicity.²
- The most likely cause of the circulating WN '02 strain displacing the NY '99 strain is the increased efficiency of transmission within mosquito populations – and has nothing to do with the horse.⁹
- Most WNV isolates differ from NY '99 in the envelope (E) protein at amino acid 159.¹⁰ This single amino acid change allows greater viral replication at higher temperatures, resulting in a shorter extrinsic incubation period in Culex mosquitoes.¹⁰

Despite the emergence of variant WNV strains, equine cases have declined dramatically since widespread vaccination with WEST-NILE INNOVATOR vaccines began.¹¹
Choose from the full line of safe, effective equine vaccines from Pfizer Animal Health for all your disease protection needs.

Ask for the original, demonstrated equine WNV vaccine – The Mosquito Shot. Contact your Pfizer Animal Health representative today.

Leading the way in equine disease prevention and wellness.

Pfizer Animal Health, a business of Pfizer Inc., is a world leader in discovering and developing innovative animal prescription medicines and vaccines, investing an estimated $300 million annually. Pfizer Animal Health’s industry-leading U.S. equine product portfolio now includes a wide range of biologics, parasiticides and sedatives/analgesics trusted by veterinarians and horse owners. For more information on how Pfizer helps horses live longer, healthier lives, visit www.PfizerAH.com.

3. Doane Market Research Inc. and CEESA International Sales Survey (CISS), September 2009.

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