Equine Vaccines

The FLUVAC INNOVATOR® line of vaccines are the most trusted equine influenza vaccines helping deliver broad protection against newly emerging and conventional equine influenza virus strains, as well as equine herpesvirus (EHV-1 and EHV-4).

- The FLUVAC INNOVATOR line of vaccines aids in the prevention of equine influenza due to Type A₂ viruses; equine rhinopneumonitis due to equine herpesvirus types 1 and 4; equine encephalomyelitis due to Eastern, Western and Venezuelan encephalomyelitis viruses; and tetanus.
- FLUVAC INNOVATOR has demonstrated efficacy against emerging equine influenza strains including AYR/13, KY/99, KY/01, KY/07, KY/14, OH/03, PA/07, RIC/07 and TX/12. Zoetis regularly tests FLUVAC INNOVATOR to ensure our vaccine continues to be effective against emerging equine influenza virus isolates.
- Vaccination before exposure is one of the best ways to combat equine influenza virus.
- At-risk horses (those less than 6 years of age, senior horses and horses that may be frequently exposed to EIV at outside events) should be vaccinated for EIV every six months.
- Only INNOVATOR vaccines are adjuvanted with MetaStim to help amplify the horse’s immune response.

PNEUMABORT-K® + 1b is the only equine vaccine labeled to help prevent respiratory disease caused by equine herpesvirus (EHV)-1p and EHV-1b.

- The vaccine is also labeled for use in pregnant mares as an aid in the prevention of abortion due to EHV-1 infections. In the fifth, seventh and ninth months of gestation, mares should receive PNEUMABORT-K + 1b.
- PNEUMABORT-K + 1b is recommended for whole herd management — including geldings, stallions and mares — where there is evidence of EHV-1 in herd populations.
- PNEUMABORT-K + 1b is uniquely adjuvanted for improved immune responses.

WEST NILE-INNOVATOR® is the veterinarian’s first choice for equine West Nile virus protection.

- WEST NILE-INNOVATOR line of vaccines aid in the prevention of West Nile; Eastern, Western and Venezuelan encephalomyelitis; and tetanus.
- A study showed that separate administration of WEST NILE-INNOVATOR and FLUVAC INNOVATOR generated four times the immune response to West Nile virus than was produced by a big one-shot combination vaccine.
- WEST NILE-INNOVATOR was demonstrated to be 96.7% effective against a 2003 outbreak among immunologically naïve horses.
- Available in four combinations to allow a tailored fit for any equine vaccination program.
- Ready to use; no reconstitution required.
- The only West Nile virus vaccine adjuvanted with MetaStim — the only adjuvant that has been shown to stimulate both cell-mediated and humoral immunity in horses to the West Nile virus.

The Zoetis Equine Immunization Support Guarantee provides peace of mind through unparalleled vaccination support.

- Under the Equine Immunization Support Guarantee, Zoetis helps cover the diagnostic investigation to determine the cause of illness and provides up to $5,000 to cover treatment costs if diagnostics confirm a horse vaccinated by a veterinarian contracts a corresponding equine disease.
- All products within the FLUVAC INNOVATOR and WEST NILE-INNOVATOR lines of vaccines from Zoetis are covered under the Equine Immunization Support Guarantee at no additional cost to the horse owner or veterinarian.
QUEST® Dewormers

**QUEST® Gel** treats and controls encysted small strongyle adults, encysted larvae, bots and roundworms with a single dose.

- QUEST treats and controls encysted small strongyle larvae, the number one parasite of concern in adult horses, according to the American Association of Equine Practitioners (AAEP).9
- In a study, QUEST was shown to reduce fecal egg counts by 99.9% in a single dose, while a five-day, double-dose regimen of fenbendazole was only 42% effective.10
- QUEST and QUEST® PLUS are the only Food and Drug Administration-approved products to suppress the production of small strongyle eggs, and a study showed egg suppression persisted for 90 days.10
- QUEST and QUEST PLUS are the only products approved to treat encysted small strongyles in breeding mares and stallions.

**QUEST® PLUS Gel** offers the same effectiveness and duration as QUEST, but is also effective against tapeworms to help meet your seasonal deworming needs.

- Late fall or early winter, after tapeworm treatment ends due to cold weather, is the ideal time for treatment against tapeworms, bots and larval stages of small strongyles according to the AAEP.9
- QUEST PLUS is the only Food and Drug Administration-approved product that kills encysted small strongyles, bots, roundworms and tapeworms with a single dose.

Do not use QUEST Gel or QUEST PLUS Gel in foals less than 6 months of age or in sick, debilitated and underweight horses. Do not use in other animal species, as severe adverse reactions, including fatalities in dogs, may result.

**STRONGID® Paste** safely and effectively removes and controls various internal parasites in horses and ponies.

- STRONGID Paste is safe for use in horses and ponies including breeding, pregnant and lactating mares and young foals.
- Effective against mature infections of ascarids, large strongyles, small strongyles and pinworms.
- The active ingredient, pyrantel pamoate, is from the chemical class tetrahydropyrimidine, which is unrelated to other classes of equine anthelmintics.
- STRONGID Paste is shown to be effective against benzimidazole resistant strongyles.11
- Convenient disposable syringe treats up to 1,200-lb. body weight.

**STRONGID® C 2X** is a daily equine dewormer to help break the cycle of parasite infection for horses at high risk of parasite exposure.

- STRONGID C 2X helps prevent *Strongylus vulgaris* larval infestations and control adult large strongyles as well as adult and fourth-stage larvae (L4) of small strongyles, pinworms and ascarids.
- STRONGID C 2X may be used in mares at any stage of pregnancy or lactation. Daily use of STRONGID C 2X in the last 30 days of gestation is a safe, effective method of reducing foal exposure to parasites.
- Foals may be administered STRONGID C 2X as soon as consistent intake of grain mix is occurring, generally between 2 and 3 months of age.

**ANTHELCIDE® EQ Paste** safely removes and controls roundworms, threadworms and pinworms.

- One syringe of ANTHELCIDE EQ Paste doses up to 1,200 lb. of body weight.
- ANTHELCIDE EQ Paste contains the active ingredient oxibendazole, which has shown efficacy against benzimidazole-resistant strongyles and has a known wide margin of safety.11

To learn more, talk with your Zoetis representative or visit ZoetisUS.com.

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1. Data on file, MDI sales data for FLUVAC INNOVATOR® and WESTNILE INNOVATOR® as of 12/31/16, Zoetis Inc.