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## Grow-Finish

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# Control Disease with Denagard® (tiamulin hydrogen fumarate)

Respiratory and enteric diseases can inhibit pig health, limiting performance and profitability. Denagard® (tiamulin hydrogen fumarate) plus chlortetracycline (CTC) allows pigs to achieve and maintain better performance by controlling the disease challenges they face.

## Control Disease with Denagard plus CTC

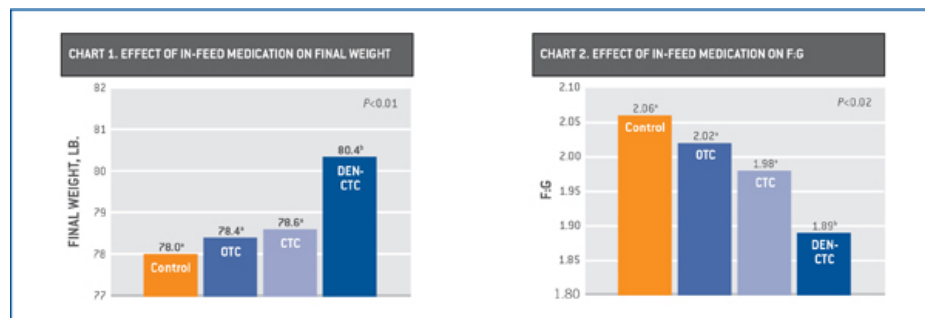
Recent research results have shown that controlling respiratory and enteric disease through therapeutic treatment with Denagard plus CTC resulted in improved performance in grow-finish pigs compared to regimens of oxytetracycline (OTC) or CTC alone.

Studies show:

By Controlling disease, Denagard plus CTC-medicated pigs showed significantly higher daily gain and achieved a significantly higher body weight at the end of the trial period than OTC pigs (+3.9 lbs.) and nonmedicated pigs (+5.7 lbs.).<sup>1</sup>

F:G results indicated a trend toward improvement in the Denagard plus CTC group vs. the OTC pigs (-0.1 pts) and nonmedicated pigs (-0.09 pts)<sup>2</sup>

Denagard plus CTC provided a 4:1 return on investment<sup>3</sup>



Denagard plus CTC offers:

- Activity from two antibiotics whose individual actions complement one another<sup>2</sup>
- Enteric and respiratory disease control\*
- Convenience of feed medication
- Strategic applications for disease control providing cost-effective performance

## Product Uses – Denagard plus CTC

- 3.5 lbs. of Denagard per ton of complete feed, with chlortetracycline to provide 10 mg CTC per pound of body weight
- 2-day preslaughter withdrawal

## Quickly Treat Swine Dysentery and Swine Pneumonia with Denagard LC

Left untreated, respiratory diseases such as pneumonia spread rapidly

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## Download Our Apps



Denagard® (tiamulin hydrogen fumarate) LC Calculator ([iPad](#), [iPhone](#), and [Android](#))



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and can be very contagious, with high morbidity and mortality. Enteric diseases can cause depression, diarrhea and weight loss or weakness in growing pigs. When an outbreak occurs, you need a quick, reliable solution.

Denagard Liquid Concentrate (LC) is the only water-based formulation that treats both swine dysentery and swine pneumonia. Its unique formulation allows pigs to quickly receive needed medication, even if they've gone off feed. Readily absorbed from the gut, it can be found in

the blood within 30 minutes after dosing, with improvements typically seen within 24 to 48 hours.

Denagard LC is:

**Efficacious:** Effective against outbreaks in all production phases.

**Fast-acting:** Initial response with 24 to 48 hours.

**Convenient:** Add directly to drinking water.

1. Hammer JM, Dau D. Performance improvement of finishing pigs fed Denagard (tiamulin) plus chlortetracycline in-feed antibiotic vs. oxytetracycline in-feed antibiotic or non-medicated feed, in *Proceedings*. 21st IPVS Congress 2010;1004.
2. Hammer JM. 2006 IPVS Satellite Seminar
3. Waddell, et al. Early finishing performance of pigs fed Denagard plus chlortetracycline in the grower diet, in *Proceedings*. Annual Meeting of the American Association of Swine Veterinarians 2010;173-176.

\* Enteric disease associated with ileitis, swine dysentery, *Escherichia coli*, *Salmonella choleraesuis* and/or respiratory disease associated with *Pasteurella multocida*.

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#### Denagard (tiamulin hydrogen fumarate) Medicated Swine Feed

Withdraw medicated feed 2 days before slaughter when using at the dosage rate of 35 g per ton of feed and 7 days before slaughter when using at the dosage rate of 200 g per ton of feed.

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**Warning:** Observe label withdrawal times. Keep out of reach of children. Avoid contact with skin. Direct contact with skin or mucous membranes may cause irritation.

**Caution:** Do not feed undiluted. Do not use in feeds for animals other than swine. The effects of tiamulin on swine reproductive performance, pregnancy and lactation have not been determined. Swine being treated with Denagard (tiamulin hydrogen fumarate) should not have access to feeds containing polyether ionophores (e.g., lasalocid, monensin, narasin, salinomycin and semduramicin) as adverse reactions may occur. If signs of toxicity occur, discontinue use. See product label for directions for use and additional information.

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#### Denagard (tiamulin hydrogen fumarate) Medicated Swine Feed + Chlortetracycline

**Warning:** Withdraw medicated feed 2 days before slaughter. Keep out of reach of children. Avoid contact with skin. Direct contact with skin or mucous membranes may cause irritation.

**Caution:** Use as only source of chlortetracycline. Use as sole source of tiamulin. Do not feed undiluted. Do not use in feeds for animals other than swine. The effects of tiamulin on swine reproductive performance, pregnancy and lactation have not been determined. Swine being treated with Denagard (tiamulin hydrogen fumarate) should not have access to feeds containing polyether ionophores (e.g., lasalocid, monensin, narasin, salinomycin and semduramicin) as adverse reactions may occur. If signs of toxicity occur, discontinue use. See product label for directions for use and additional information.

#### Denagard (tiamulin hydrogen fumarate) Liquid Concentrate

**Warnings:** Observe label withdrawal times. Keep out of reach of children. Avoid direct contact with the skin. Direct contact with skin or mucous membranes may cause irritation. Withdraw medicated water 3 days before slaughter after use at 3.5 mg per pound and 7 days before slaughter after use at 10.5 mg per pound.

**Caution:** For use in animals only – Not for human use. Do not use undiluted. Prepare fresh medicated water daily. Use as the only source of drinking water for 5 days. The effects of tiamulin on swine reproductive performance, pregnancy and lactation have not been determined.

**Contraindications:** Swine being treated with Denagard (tiamulin) should not have access to feeds containing polyether ionophores (e.g., monensin, lasalocid, narasin, salinomycin and semduramicin) as adverse reactions

may occur. See product label for directions for use and additional information.