

## EARLY IDENTIFICATION AND TREATMENT

*Isospora suis* is a hardy parasite that spreads quickly between piglets. The parasite oocysts are difficult to remove from farrowing room floors so an infection in one group can put future litters at risk.

Early treatment before piglets display signs of disease is vital. Improved gut health is associated with:

- Reduced pre-weaning mortality in litters with mixed infections<sup>2</sup>
- Decreased pre-weaning antibiotics required for treating scouring piglets<sup>4</sup>
- Improved weaning weights by more than 1 kg<sup>1</sup> and grower weights by 3 to 5 kg<sup>5,6</sup>
- Improved post-weaning feed conversion<sup>5,7</sup>



Coccidiosis is common in Ontario. In one study, **70%** of farms surveyed had piglets infected with this parasite<sup>8</sup>

## BAYCOX® 5% (TOLTRAZURIL) ORAL SUSPENSION POINTS YOUR PROFITS IN THE RIGHT DIRECTION

Baycox® is indicated for the treatment of preclinical coccidiosis due to *Isospora suis* in neonatal piglets.

A single, ready-to-use oral dose of Baycox® at three (3) days of age kills all intracellular stages of coccidiosis which:

- Reduces parasite egg shedding<sup>4</sup>
- Allows the piglet to develop natural immunity<sup>4</sup>
- Helps prevent damage to the piglet's gut lining in the nursing period which improves weaning weights, feed conversion and days to market.<sup>4,7</sup>

Help your piglets – and your investment – achieve their full potential. **Talk to your veterinarian about Baycox®, and stop coccidiosis before gut damage can start.**

For more information visit [www.animalhealth.bayer.ca](http://www.animalhealth.bayer.ca).

**Baycox®**  
Prevent Protect Profit



**Warning: Treated piglets must not be slaughtered for use in food for at least 70 days after the last treatment with this drug.**

<sup>1</sup>Deniz A, Hamoekers V. (2010). Impact of piglet coccidiosis on the gut health and economic benefits of the prevention with toltrazuril. In: Proceedings of the 21st IPVS Congress; July 18-21; Vancouver, Canada; 797.

<sup>2</sup>Mengel H, Kruger M, Westphal B, et al. (2012). Necrotic enteritis due to simultaneous infection with *Isospora suis* and *clostridia* in newborn piglets and its prevention by early treatment with toltrazuril. Parasitol Res. 110:1347-1355.

<sup>3</sup>Aliaga-Leyton A, Friendship R, Dewey CE, et al. (2011). *Isospora suis* infection and its association with postweaning performance on three southwestern Ontario swine farms. J Swine Health Prod. 19(2):94-99.

<sup>4</sup>Driesen SJ, Fahy VA, Carland PG. (1995). The use of toltrazuril for the prevention of coccidiosis in piglets before weaning. Aust Vet J. 72(4):139-141.

<sup>5</sup>McOrist S, Blunt R, El-Sheikha H, et al. (2010). Evaluation of efficacy of oral toltrazuril (Baycox 5%) for the improvement of post-weaning gut health in pigs. The Pig Journal. 63:73-79.

<sup>6</sup>Pypula K, Porowski M, Kaba J, et al. (2012). Effect of isosporiasis prevention with toltrazuril on long-term pig performance. Scientific World Journal. 2012:486324.

<sup>7</sup>Poudevigne G, Fourchon P, Perzo JF, et al. (2006). Purported relationship between *Lawsonia intracellularis* seroconversion and coccidian metaphylaxis. Presented at: Bayer Pig Symposium, 19th IPVS Congress; July 16-19; Copenhagen, Denmark; 102-103.

<sup>8</sup>Aliaga-Leyton A, Webster E, Friendship R, et al. (2011). An observational study on the prevalence and impact of *Isospora suis* in suckling piglets in southwestern Ontario, and risk factors for shedding oocysts. Can Vet J. 52:184-188.

<sup>9</sup>Lindsay DS, Blagburn BL, Dubey JP. (1999). Coccidia and other protozoa. In: Straw B, D'Allaire S, Mengeling WL, et al, eds. Diseases of Swine. 8th ed. Ames, IA: Iowa State University Press; 655-660.

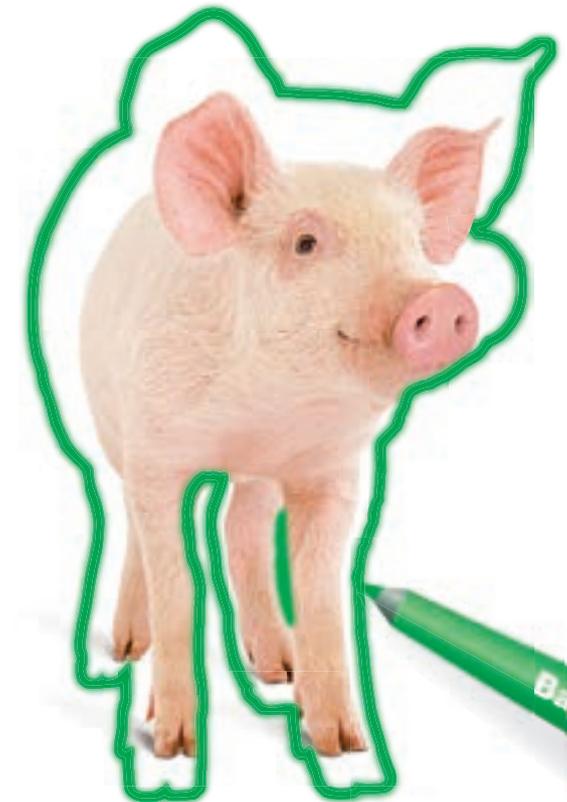
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APPROVED  
FOR PIGLETS!



## PREVENTING PIGLET COCCIDIOSIS CAN HELP BULK UP YOUR PROFITS

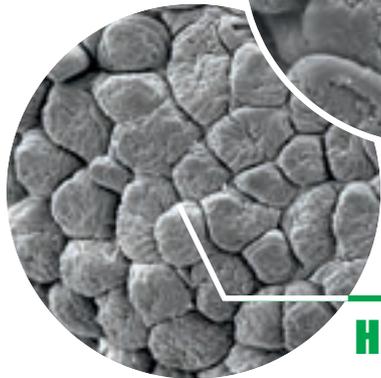


**Baycox®**  
Prevent Protect Profit

## PROFITABILITY COMES FROM THE GUT

Healthy piglets equal healthy profits. But beware of coccidiosis – a common disease that can harm your piglets. Coccidiosis, caused by the *Isospora suis* parasite, damages the piglet's gut lining and leads to diarrhea, dehydration and reduced weight gain.

### DAMAGED GUT



### HEALTHY GUT

Coccidiosis is highly contagious and can reduce productivity. Outbreaks result in:

- Uneven litters and decreased weaning weights<sup>1</sup>
- Increased pre-weaning mortality due to complications with secondary infections<sup>2</sup>
- More time and product required to clean farrowing crates and floors
- Decreased nursery weights (up to 1.4 kg)<sup>3</sup>

## PREDISPOSING FACTORS

Previous history of coccidiosis in the herd, resulting in oocyst contamination of flooring

Warm, moist conditions (oocysts sporulate rapidly during hot, humid months or when supplemental heat is present)

Cleaning the farrowing rooms without the use of a detergent<sup>8</sup>

## CLINICAL SIGNS<sup>9</sup>

Yellow to grey, watery/pasty diarrhea in piglets 8–15 days old

Rough hair coat, dehydration and lighter weaning weights

Increased pre-weaning mortality

Uneven litters

## BENEFITS OF BAYCOX® (TOLTRAZURIL) 5% ORAL SUSPENSION

Baycox® is active against **ALL intracellular stages** of coccidia and **kills coccidia BEFORE it can damage the gut mucosa.**

**Reduced damage to gut mucosa in nursing period adds value:**

- ✓ More pigs weaned<sup>2</sup>
- ✓ Reduced use of antibiotics<sup>4</sup>
- ✓ Improved weaning and post-weaning weights<sup>1,5,6</sup>
- ✓ Better feed conversion<sup>5,7</sup>
- ✓ Fewer days to slaughter<sup>6</sup>

**Routine treatment of all piglets with Baycox 5% is recommended to prevent coccidiosis.** Discontinuation may result in return of symptoms such as diarrhea. Your veterinarian can recommend the treatment timeline ideal for your herd.

