

Pinkeye in Cattle

Pinkeye, also known as infectious bovine keratoconjunctivitis (IBK), is a common bacterial eye disease. *Moraxella bovis* is the primary cause of pinkeye but there are other bacterial strains that can cause pinkeye, such as *Moraxella bovoculi*. Pinkeye has economic impact on the cattle industry from decreased weight gain, weaning weight, milk production and the treatment of pinkeye.

The transmission of *Moraxella bovis* occurs through direct contact, flies and inanimate objects. Not only do flies irritate cattle, they feed on secretions from the eye which transport *Moraxella bovis* from infected to non-infected animals. Face flies can remain infected up to three days following feeding on the infected eye.

Cattle infected with pinkeye may have the following early clinical signs:

- Swelling and redness of the conjunctiva (inner surface of eyelids and outer perimeter of eyeball)
- Excessive tearing
- Squinting or eye closure
- Mild to moderate elevation in body temperature

Cattle infected with pinkeye may have the following later clinical signs:

- Cornea becomes cloudy/white
- Cornea becomes eroded or raised
- Circular spot develops near the center of the cornea
- Blindness

Three forms of prevention to consider for your herd are: reduction of eye irritants (wood, fiberglass, splinters, sharp metal, dust, etc.), vaccination, and a fly control program.

Prevention of Pinkeye in Cattle

Vaccines					
Product	Aids in Prevention of	Dose	Route of Administration	Slaughter Withdrawal	Indications
20/20 Vision 7	Clostridium 7-Way & Moraxella Bovis	2ml	SQ	21 Days	For use in healthy cattle
Alpha 7/MB-1	Clostridium 7-Way & Moraxella Bovis	2ml	SQ	60 Days	For cattle 2 months of age or older prior to onset of pinkeye season
I-Site XP	Moraxella Bovis	2ml	SQ	21 Days	For cattle 2 months of age or older
Moraxella Bovoculi Bacterin	Moraxella Bovoculi	2ml	SQ	21 Days	For cattle 14 weeks of age or older
Ocu-guard MB-1	Moraxella Bovis	2ml	SQ	21 Days	For cattle 2 months of age or older
Piliguard Pinkeye-1	Moraxella Bovis	2ml	SQ, IM	60 Days	3 – 6 weeks prior to onset of pinkeye season
Piliguard Pinkeye+7	Clostridium 7-Way & Moraxella Bovis	5ml	SQ	21 Days	For use in healthy cattle
Pinkeye Shield XT4	Moraxella Bovis	2ml	IM	60 Days	For use in healthy cattle
Solidbac Pinkeye IR/PR	Moraxella Bovis	1 Clip	SQ	21 Days	For use in healthy cattle
Fly Control Program					
Fly Control Product Comparison Chart					<i>Please click on link to be redirected to the selected Comparison Chart</i>
Insecticidal Tags Comparison Chart					
Cattle Insecticidal Pour-On Comparison Chart					

Treatment of Pinkeye in Cattle

Product	Active Ingredient
Agrimycin 200	200mg Oxytetracycline
Bio-Mycin 200	200mg Oxytetracycline
Duramycin 72-200	200mg Oxytetracycline
Liquamycin LA-200	200mg Oxytetracycline
Noromycin 300 LA	300mg Oxytetracycline
Terramycin Ophthalmic Ointment	Oxytetracycline Hydrochloride and Polymyxin B Sulfate
Shut-Eye Patches	
Vetericyn Plus Pink Eye Spray	0.015% Hypochlorous Acid



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