

# BOVINE PRACTITIONER

Vol 59. NO 1.



*Copy Editor*

**Geni Wren**

1130 East Main St., Ste. 302  
Ashland, OH 44805  
800-269-2227

*Publisher*

**Truax Printing, Inc.**

425 East Haskell St.  
Loudonville, OH 44842  
419-994-4166

*Executive Editor*

**K. Fred Gingrich II, DVM**

1130 East Main St., Ste. 302  
Ashland, OH 44805  
419-496-0685

*Associate Editors*

**Dr. Virginia Fajt**, [dr.fajt@aabp.org](mailto:dr.fajt@aabp.org)

**Dr. Miles Theurer**, [dr.theurer@aabp.org](mailto:dr.theurer@aabp.org)

**Dr. Sarah Capik**, [dr.capik@aabp.org](mailto:dr.capik@aabp.org)

---

*The Bovine Practitioner* is the official publication of The American Association of Bovine Practitioners.  
All manuscripts are peer-reviewed. *The Bovine Practitioner* is an open access journal.

©American Association of Bovine Practitioners, 2025 • All Rights Reserved  
*The Bovine Practitioner* • ISSN 0524-1685



# Table of Contents

<b>Assessing bull breeding soundness exam parameters following vaccination with modified-live or killed vaccine.....</b>	<b>1</b>
<i>Jennifer H. Koziol, DVM, MS, DACT; Chance L. Armstrong, DVM, MS, DACT; Blaine T. Johnson, DVM, PhD; Dylan Bostick, BS; Dalton Deckert, BS</i>	
<b>Clinical and electrocardiographic evidence of death following use of a poll shot with a penetrating captive bolt as a single-step method for euthanasia of cattle .....</b>	<b>9</b>
<i>Renée D. Dewell, DVM, MS; Alyona Michael, DVM, PhD, DACVP; Lori E. Moran, BS, AS, RVT; Kristen Hayman, DVM; Eric W. Rowe, DVM, PhD; Grant A. Dewell, DVM, PhD</i>	
<b>A follow-up investigation of the reported high herd prevalence of bovine viral diarrhea in dairy farms in Georgia and Florida.....</b>	<b>17</b>
<i>Yung-Yi C. Mosley, BVM, MS, PhD, Diplomate ACVM; Lisa Whittington; Dana Wells; Katelyn A. Malphus; Angie McDaniel, DVM, MS; A. Lee Jones, DVM, MS</i>	
<b>Evaluation of cardiac troponin I as a predictor of clinical outcomes in cattle treated for bovine respiratory disease (BRD) in commercial feedyards.....</b>	<b>24</b>
<i>Madeline R. Mancke; Brian V. Lubbers, DVM, PhD; Eduarda M. Bortoluzzi, MV, PhD; Brad J. White, DVM, MS</i>	
<b>Bayesian estimation of failed transfer of passive immunity IgG cut-off values for predicting pre-weaning morbidity in beef calves.....</b>	<b>29</b>
<i>Alexis C. Thompson, DVM, PhD, DACVPM (Epidemiology); Matthew A. Scott, DVM, PhD; Renée D. Dewell, DVM, MS; Brandon J. Dominguez, DVM, MS, DACVPM</i>	
<b>Evaluating a selective therapy approach to antimicrobial treatment of high-risk calves at arrival to a male dairy calf rearing facility on future health, growth and antimicrobial use: A group randomized controlled trial.....</b>	<b>40</b>
<i>Taika E. von Konigslow, MSc, DVM, DVSc; David L. Renaud, DVM, PhD; Todd F. Duffield, DVM, DVSc; Charlotte B. Winder, DVM, DVSc; David F. Kelton, DVM, PhD, MSc, FCAHS</i>	
<b>Survey of students' experiences of bovine externships.....</b>	<b>55</b>
<i>Philippa Gibbons, BVetMed(Hons), MS, DACVIM(LA), PGDipVetEd, MRCVS; Jennifer Koziol, DVM, MS, DACT; Arn Anderson, DVM, DABVP</i>	
<b>Determination of hydration status in feedlot cattle treated for respiratory disease and associations with treatment outcome .....</b>	<b>72</b>
<i>Lilli Heinen, DVM; Brad J. White, DVM, MS; Robert L. Larson, DVM, PhD, DACT, DACVPM (Epidemiology), ACAN; Miles Theurer, DVM, PhD; Matt D. Miesner, DVM, MS, DACVIM</i>	

## Advertisers Index

Addison Labs .....	Inside front cover
Boehringer Ingelheim .....	Between pages 28 and 29
Virbac.....	Back cover

## Notice to Readers

All statements, opinions and conclusions contained in articles in *The Bovine Practitioner* are those of the author(s), and are not necessarily those of the American Association of Bovine Practitioners (AABP) unless specifically approved by the AABP Board of Directors.

