

Vol. 33, No. 2
MAY, 1999



The Bovine **PRACTITIONER**

THE OFFICIAL PUBLICATION OF THE
AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

© Copyright American Association of Bovine Practitioners; open access distribution.



32nd ANNUAL CONVENTION

American Association of Bovine Practitioners
Nashville, Tennessee
September 23-26, 1999

©1999 Pfizer Inc. DX9351/399 9-1217 *Data on file at Pfizer Inc. Dectomax is a registered trademark of Pfizer Inc. Ivomec is a registered trademark of Merial Limited.



26
MORE POUNDS

Use Dectomax® and get more from your cattle.

Dectomax effectively controls internal and external parasites. And now, some productivity studies prove Dectomax Injectable-treated stockers gain significantly more than those treated with ivermectin formulations or those left untreated. One recent trial conducted over a 140-day grazing period showed total weight gain for stockers treated with Dectomax was a significant 26 pounds more than those treated with Ivomec® Plus and 53 pounds more than untreated.* You measure success by the pound, and so do we.

Dectomax Pour-On is now weatherproof and controls horn flies.



Animal Health

www.pfizer.com/ah

PERSISTENCE PAYS
DECTOMAX®



© Copyright American Association of Bovine Practitioners; open access distribution.



The Bovine PRACTITIONER

Vol. 33, No. 2
May, 1999

FATT

EDITOR:
ROBERT A. SMITH, DVM
3404 Live Oak Lane
Stillwater, Oklahoma 74075
Tel: (405) 372-8666
FAX (405) 743-8422

PRINTER:
Frontier Printers, Inc.
205 W. 9th
Stillwater, Oklahoma 74074

OFFICERS

President	Walter M. Guterbock, DVM Scotts, Michigan
President-Elect	Larry Hutchinson, DVM University Park, Pennsylvania
Vice President	Rod Sydenham, DVM Millet, Alberta, Canada
Past President	James E. Sears, DVM Bridgeport, Nebraska
Executive Vice President	James A. Jarrett, DVM Rome, Georgia
Treasurer	Roger Saltman, DVM Cazenovia, New York
Parliamentarian	L. Mac Cropsey, DVM Golden, Colorado

BOARD OF DIRECTORS

John Ferry, DVM Adams, New York 1st District, 1999	Kenneth Nordlund, DVM Madison, Wisconsin 5th District, 2000	Gary Daley, DVM Turlock, California 10th District, 1999
Richard L. Wilkes, DVM Rocky Mt., Virginia 2nd District, 2001	Mark Kirkpatrick, DVM Ames, Iowa 6th District, 2001	Gregory A. Ledbetter, DVM Jerome, Idaho 11th District, 2000
Charlie Hatcher, DVM College Grove, Tennessee 3rd District, 2001	Darrell C. Payne, DVM Sedalia, Missouri 7th District, 1999	Emile Bouchard, DVM St. Hyacinthe, Quebec, Canada 12th District, 2001
N. Kent Ames, DVM East Lansing, Michigan 4th District, 1999	Steve Lewis, DVM Hereford, Texas 8th District, 2000	David Hamilton, DVM Morden, Manitoba, Canada 13th District, 1999
	Jim Wasson, DVM Armour, South Dakota 9th District, 2001	

REPRESENTATIVE TO THE AVMA HOUSE OF DELEGATES:

Darrel E. Johnson, DVM
Weyauwega, Wisconsin

James A. Jarrett, DVM
(alternate)

EXHIBITS MANAGER:

Samuel Hutchins, III, DVM
South Barre, Vermont

ADVERTISING AGENCY:

Veterinary Learning Systems
425 Phillips Boulevard #100
Trenton, NJ 08618-1496
913-451-3475 Fax: 913-451-3929

THE BOVINE PRACTITIONER is published by the American Association of Bovine Practitioners, Inc., at **Frontier Printers, 205 W. 9th, Stillwater, OK 74074 (Tel: 405-372-8500; FAX 405-372-8523)**. Over 6000 copies are mailed to veterinarians engaged in cattle practice and allied institutions. Send new address (please include old address) to:

Dr. James A. Jarrett, Exec. Vice President, AABP, P.O. Box 1755, Rome, GA 30162-1755
Tel: 1-800-269-2227; FAX 706-232-2232

e-mail: aabphq@aabp.org
<http://www.aabp.org>

THE BOVINE PRACTITIONER is the official publication of The American Association of Bovine Practitioners, published in January and May annually. It also serves as a communication medium between bovine practitioner organizations around the world. All manuscripts and communications must be presented in English.

Copies of THE BOVINE PRACTITIONER are available to non-members for \$25.00 per copy, surface mail, or \$30.00, airmail (overseas).



The Bovine PRACTITIONER

Guidelines for Authors

The Bovine Practitioner is the official publication of The American Association of Bovine Practitioners, published in January and May annually. It also serves as a communication medium between bovine practitioner organizations around the world. All manuscripts and communications must be presented in English.

A section of the journal is peer-reviewed or refereed. Papers submitted for publication in the peer-reviewed section are anonymously reviewed by three members of the editorial board. In some cases, papers may be reviewed by an outside expert(s) who is not a regular member of the editorial board. Papers published in the peer-reviewed section of the journal will be identified with a "Peer-Reviewed" banner at the top of the first page. Papers rejected by the editorial board for publication as peer-reviewed articles do not automatically qualify for publication in the non-peer-reviewed sections.

Articles published in *The Bovine Practitioner* are intended to address the needs of bovine practitioners. Types of articles considered appropriate for the journal include research reports, case reports, review articles, retrospective studies and articles describing new techniques.

All papers should begin with a summary or abstract. Research reports should follow with an introduction, methods and materials (including experimental design and statistical analysis), results, discussion and conclusions. At the author's discretion, results and discussion may be combined.

Case reports should be written to include an introduction, history, clinical findings, appropriate laboratory data, surgical/therapeutic management, discussion and conclusions.

Review articles covering topics important to the practitioner are welcome. They should address more recent advances and bring the reader cutting edge information related to bovine practice or to beef or dairy production.

Papers reporting retrospective studies should include an introduction, clinical implications or objectives of the study, the methodology used to evaluate the data, a section that details the significance of the findings to the practitioner and conclusions.

Two manuscripts and a diskette should be submitted to the editor through the mail or via a parcel delivery service. Manuscripts should be double-spaced, using 12-point Times type and 1-inch margins. When possible Microsoft Word should be used.

Figures, tables and photographs are welcome. Figures should be numbered on the back: legends for figures should be submitted on a separate sheet of paper. When photographs are submitted, prints are preferred over 2x2 slides.

English units of measure should be used for weights, measures and temperature. If the author desires, it is acceptable to follow English units with metric units in parenthesis, i.e....440 pound (200kg) steer had a rectal temperature of 101.5°F (38.6°C). When the use of brand names is necessary, they should be listed in footnotes, including the name of product, manufacturer, and manufacturer's city and state.

References to literature cited in the paper should be identified in the text by the use of superscripts. References should be listed in alphabetical order. Suggested style for citations in the reference section is as follows:

1. Allen WM, Sansom BF: Parturient paresis (milk fever) and hypocalcemia (cows, ewes, and goats), in Howard JL (ed.): *Current Veterinary Therapy III. Food Animal Practice*. Philadelphia, WB Saunders Co, 1993, pp. 304-308.
2. Barth AD, Cates WF, Harland RJ: The effect of body fat and loss of fat on breeding soundness classification of beef bulls. *Can Vet J* 36:758-764, 1995.
3. *Nutrient Requirements of Beef Cattle*, ed. 7. Washington DC, National Academy Press, 1996.
4. Syvrud R: Vaccination for bovine respiratory syncytial virus: Benefits for both cow/calf and feedlot cattle. *Proc Am Assoc Bov Prac* 21:204-206, 1989.

All correspondence and manuscripts should be addressed to:

**The Bovine Practitioner
Dr. Bob Smith, Editor
3404 Live Oak Lane
Stillwater, OK 74075
405-372-8666 Office
405-743-8422 Fax**

Table of Contents

The Repeat Breeder Cow — H. D. Levine	97
Breeding Programs for Dairy Herds Using Prostaglandin F _{2α} Products to Save Labor: Field Trial Evaluation of Reproductive Performance — B. Seguin, H. W. Momont, V. L. King, D. G. Johnson, G. Marx, D. E. Otterby	106
Estimated Production and Economic Losses from <i>Neospora caninum</i> Infection in Texas Beef Herds — Thomas R. Kasari, Kerry Barling, James M. McGrann	113
Effects of an Oral Antibiotic on Fertility in Range Beef Cattle — R. L. Saltman, P. J. Chenoweth, D. O. Rae, P. C. Genho, S. A. Moore, G. Crosby	121
Preliminary Characterization of a <i>Tritrichomonas foetus</i> -like Protozoan Isolated from Preputial Smegma of Virgin Bulls — R. H. BonDurant, A. Gajadhar, C. M. Campero, E. Johnson, Z-R. Lun, R. W. Nordhausen, K. A. Van Hoosear, M. R. Villanueva, R. L. Walker	124
Effects of Teat Dilators and Teat Cannulas on Udder Health — Klaus Querengässer, Thomas Geishauser, Christoph Höptner, Max Medl, Franco Tradati	130
An Outbreak of Encephalitic Listeriosis in Holstein Bulls — William H. Ayars, Jr., Donald R. Monke, Brenda Love	138
Bovine Malignant Melanosis — Lynne M. Dzuba	142
Generalized Peritonitis in Cattle: 31 Cases (1993-1997) — Mohammed Ebeid, D. Michael Rings	144
A Uniform Protocol for Evaluating Response to Treatment of Papillomatous Digital Dermatitis Lesions — Jenks S. Britt, Steven L. Berry, Jan Shearer, Tom Hemling, Barry Steevens, Monika Dreher	149
Effect of Timing of Tilmicosin Metaphylaxis on Control of Bovine Respiratory Disease and Performance in Feeder Cattle — David McClary, Gary Vogel	155
A Method for Recording Pulmonary Lesions of Beef Calves at Slaughter, and the Association of Lesions With Average Daily Gain — Lonty K. Bryant, Louis J. Perino, Dee Griffin, Alan R. Doster, Thomas E. Wittum	163
The Cost of Respiratory Diseases in Dairy Heifer Calves — R.J. Esslemont, M.A. Kossaibati ...	174
A Survey Description of Down-Cows and Cows With Progressive or Non-progressive Neurological Signs Compatible With a TSE From Veterinary-Client Herds in 38 States — Don Hansen, Victoria Bridges	179
Tools to Use Against Johne's Disease in Cattle Herds — Don Hansen, Christine Rossiter	188
Johne's Disease Prevention/Control Plan for Dairy Herds Workbook — C. A. Rossiter, L. J. Hutchinson, D. Hansen, R. H. Whitlock	193
Johne's Disease Prevention/Control Plan for Beef Herds Workbook — C. A. Rossiter, L. J. Hutchinson, D. Hansen, R. H. Whitlock	194

Advertisers Index

Bayer Corporation	105, 136, 137
Elanco Products Company	120, 162
Grand Laboratories	128, 129
Pfizer Animal Health	inside front cover
Pharmacia & Upjohn Inc.	123, outside back cover

*Cover photo and Welcome to Nashville photo (page i) are courtesy of
The Nashville Convention and Visitors Bureau*

Book News

Veterinary Drug Handbook

Third Edition

Donald C. Plumb

Publication Date: January 29, 1999

For Immediate Release

This single-volume reference, frequently referred to as the "Plumb Book," contains essential information that veterinary practitioners and students need to know about hundreds of systemic drugs currently available. *Veterinary Drug Handbook* covers drugs approved for use in veterinary species as well as nonapproved (human) drugs that are routinely used in veterinary practice today.

New to the Third Edition are:

- An additional index of drugs by use/indication
- Information on prescription diets for dogs and cats
- More than 25 new drug monographs
- Revised and updated information

More than 370 drug monographs are featured in this new edition. Individual monographs include information on:

- Chemical characteristics
- Drug-drug and drug-laboratory test interactions
- Storage, stability, and physical compatibility
- Dosages by species and indication
- Approval status and withdrawal times
- Contraindications, precautions, and reproductive safety
- Pharmacokinetics
- Overdosage and/or acute toxicity
- Uses and indications
- Client information
- Adverse effects and warnings
- Pharmacology

An appendix supplies additional information on abbreviations used in prescription writing, solubility definitions, conversion tables, milliequivalents and molecular weights, "normal" vital signs, and more. Indexes by trade and generic names and drugs by use/indication complete this quick, thorough guide, which is intended as a rapid reference to complement in-depth references in pharmacology, pharmacy, and veterinary medicine.

ABOUT THE AUTHOR: *Donald C. Plumb, PharmD*, is hospital director, Veterinary Teaching Hospitals, College of Veterinary Medicine, and clinical assistant professor, College of Pharmacy, University of Minnesota.

Desk Edition: 760 pp., 7 x 10, flexible cover, ISBN 0-8138-2444-3, \$49.95. Pocket Edition: 864 pp., 5 x 8, flexible cover/rounded corners, ISBN 0-8138-2353-6, \$49.95. Available through ISU Press. Price subject to change without notice. Sixty-day examination copies available to U.S. instructors. Complimentary copies available to reviewers. For more information contact Beverly Fisher, Promotion Coordinator, ext 624.

The Abridged Companion to Veterinary Drug Handbook Third Edition, *Donald C. Plumb*
(Available only with the *Veterinary Drug Handbook*, Third Edition)

The Abridged Companion to Veterinary Drug Handbook, Third Edition, contains all the basic drug and treatment information found in detail in the *Veterinary Drug Handbook*. It provides a fast overview to facts essential to know in the field or laboratory and in emergency situations. The smaller size packs and transports easily with other equipment. (Omitted from *The Abridged Companion* is information on chemistry, storage/stability/compatibility, pharmacology, pharmacokinetics, overdosage, and drug interactions as well as information in some appendixes of the *Veterinary Drug Handbook*, Third Edition.) January 1999, 560 pp., 4 3/4 x 7 3/4, paperback, \$69.95 (with accompanying desk or pocket size *Vet Drug Handbook*)

Available Summer 1999 ... **Veterinary Drug Handbook CD-ROM**

Visit our Web site at <http://www.isupress.edu>