

AVIS: FMD



ADVANCED VETERINARY INFORMATION SYSTEM

AVIS Foot and Mouth Disease - 2006 Fact Sheet

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AVIS: The Advanced Veterinary Information System

The AVIS System was initiated in 1992 by FAO, OIE, WRL Pirbright and Telos Aleff Ltd to pioneer the creation of peer-reviewed, "gold-standard" multimedia reference and training materials for professionals and decision-makers in animal health and production.

Foot and Mouth Disease 2006

The AVIS FMD 2006 edition builds on the extensive restructuring of the program that started in 2004. The new edition is an up-date of the knowledge that has accumulated since then. For example it outlines the global FMD situation of FMD as reported to the OIE, FAO and the FAO/OIE Reference Laboratories. The major changes include the evolving spread of Type Asia 1 in Southern and eastern Asia, the enigma of Type C in Brazil and the occurrence of Type C virus in Kenya which is genetically related to the vaccine virus. The new outbreaks of Type O in parts of Brazil which had been recognized as free with vaccination is another worrying feature that was observed in the second half of 2005.

The features of the Foot and Mouth Disease program include the following:

- It provides an encyclopaedic resource of scientific and technical information about FMD. There are more than 1,000 "pages" of information, illustrated with hundreds of photos, charts and maps.
- It digests the animal health, managerial and technical lessons learned from recent epidemics, principally of FMD, but also of BSE, CSF, PPR and the various avian diseases, which have caused problems in the past three years.
- The impact of FMD is presented in its social, economic, human health and animal welfare dimensions, with close attention to the effect on rural livelihoods.
- New modules have been added on risk management, contingency planning and emergency response.
- The image library has been extensively enriched, maps, charts and animations support the textual material, and video sequences are introduced

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for the first time, for example of key laboratory procedures conducted under the auspices of the Pirbright World Reference Laboratory.

- Access to key documentation, such as EU Directives, and links to key resources, such as the websites of the AVIS collaborators is fully integrated into the program.

The Dashboard

An optional “dashboard” facility is available to managers, planners and policy makers, giving one-screen access by country and by region to key risk management and operational data. Data points include national livestock holdings, disease status (over the past five years) reports, key information and communications points, and national resources such as contingency plans, laboratories and vaccine banks.

Editorial Policy

All AVIS programs are peer-reviewed. AVIS is delighted to record its thanks to the large number of contributors and reviewers from all over the world who have made the revised 2004 edition possible.

FMD PROGRAM CONTENT

Foot and Mouth Disease (English Edition) has six extensive modules, available on CD, DVD or on-line, supplemented with a *Glossary* and list of *References*.

1. Overview
2. Disease
 - a. Susceptible Species
 - b. Pathogenesis
 - c. Clinical Features
 - d. Pathology
 - e. Clinical Differential Diagnosis
 - f. Consequences
3. Cause
 - a. Aetiology
 - b. Laboratory Management
 - c. Laboratory Diagnosis
 - d. Future Diagnosis
 - e. Characterisation
4. Epidemiology
 - a. Introduction
 - b. Disease Surveillance and Early Warning
 - c. Risk Analysis
5. Management
 - a. Preventing the Introduction of FMD
 - b. Contingency Planning
 - c. Emergency Response
 - d. Progressive Control in Endemic Areas
 - e. Principles of FMD Vaccine Production and Quality Control



6. Resources

- a. Case Studies
- b. Charts and Data
- c. Checklists
- d. Diagrams
- e. Documents
- f. Images
- g. Maps
- h. Presentations
- i. Protocols
- j. Video.

Glossary of Key Terms and Abbreviations

References

Powerful navigation aids, a detailed site map and a search engine make the FMD knowledge base easy to access and use. Each module can be used in stand-alone form. But modules interlink to form a comprehensive reference tool.

Customisation

AVIS can customize programs for particular needs, such as local legal requirements, language, culture, or regional priorities. Discuss your needs with an AVIS officer.

AVIS: Addressing Stakeholder Needs

Different stakeholders in animal health and production have different needs, but common standards link all actions and interventions. The *Overview* module gives the non-specialist a rapid and authoritative introduction to the key issues concerning a given disease. Further modules address specific stakeholder needs:

- Livestock producers and farming communities
- Planners and decision-makers on the national and sub-national level
- National veterinary authorities and reference sites
- Regional field staff and extension services, including veterinarians
- Laboratory workers
- Epidemiologists and control specialists
- Personnel from enterprises and organizations involved in animal disease control, i.e. meat and dairy industry, vaccine producers, NGOs
- Veterinary students.

Equity Pricing

AVIS has an “Equity Pricing” policy. Prices are based on capacity to pay. Substantial discounts are available to developing countries and educational establishments. Discounts may be combined. Programs may be purchased through subscription or a licence payment.

AVIS Associations and Collaborations

AVIS welcomes collaboration and association with complementary projects.

Other Languages

FMD will be available in Spanish in 2006. AVIS welcomes enquiries and collaboration on other languages.

Support and Contacts

Technical Support

For technical support, please contact Dr. Mark Rweyemamu, AVIS Technical Director, at the AVIS Office, or by email AVISCollege1@aol.com.

Content Proposals

Please contact Professor Julian Hilton, AVIS Commissioning Editor, for advice on submitting content proposals to AVIS, at the AVIS Office or email jhilton@aleffgroup.com.

Enquiries and Sales

For inquiries and sales please contact Dr. Malika Moussaid, mmoussaid1@aol.com.

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