Swine Health Management Study & Reading Guide

An ABVP certified swine practitioner should:

1. Demonstrate a thorough understanding of the production parameters and economic parameters and their interactions in swine production units.
2. Be familiar with abnormal and normal disease levels and its affect on production. This would include current knowledge concerning etiology, epidemiology, pathogenesis, pathology, diagnosis, treatment, prevention, and control measures.
3. Be familiar with various swine production systems and factors affecting productivity and profitability of swine herds in those systems.
4. Be familiar with various record systems that allow practitioners to collect and analyze data on herd performance, and the economics attached to such performance when compared to a data base. Be able to establish, implement, and evaluate herd health and production performance programs. Be familiar with targets and interference points on various performance monitors.
5. Be familiar with various components of herd health and production programs that would include but not be limited to:
   a. Herd reproductive performance and parameters;
   b. Herd economic production performance and parameters;
   c. Swine genetic programs, breeding programs, culling procedures evaluations (EBV's etc.);
   d. Carcass evaluation — packer kill sheets;
   e. Herd immunization and infectious disease control programs;
   f. Environment with relationship to health and productivity (buildings, manure handling systems, ventilation);
   g. Epidemiology;
   h. Pre-and post-harvest food safety issues, Pork Quality Assurance
   i. Regulations and regulating authorities as pertains to swine production;
   j. FDA, USDA, EPA, OSHA
   k. Secondary nutrient management (manure management)
   l. Biosecurity systems and the affects of risk management;
   m. Artificial insemination;
   n. Farm economics, financial planning, partial budgets, and decision analysis.
   o. Evaluation of experimental data, studies, critical reading of scientific literature.
Reading

- Aspects of Swine Ecology - David Hollier
- Diagnosis of Swine Diseases - Straw and Wilson
- Essentials of Pig Anatomy - Sack Veterinary Textbooks, Ithaca, NY 1982
- Managing Pig Health and the Treatment of Disease - Muirhead & Alexander 1999
- Multisite Pig Production - D.L. Harris (2000) ISU Press
- Swine Disease Manual. Editor: KJ Swartz, Copyright AASV, 2009
- The Journal of Swine Health and Production (back issues for past 5 years)
- The Veterinary Clinics of North America

Publications and Journals

- JAVMA
- Journal of Swine Health and Production
- Journal of Veterinary Research

Online Sources

- Pig News and Information, CABI Publishing
- The Pig Site (http://www.thepigsite.com/)

Continuing Education Programs

- Executive Veterinary Program - University of Illinois
- Iowa State University Practice - based Master of Science degree in Swine Prod. Med.
- Nebraska Certification in Swine Health Management - University of Nebraska
- University of Minnesota Swine Program - University of Minnesota

Meetings/Proceedings

- AASP Meeting
- AASV Meeting
- ADL Conference
- CVC - Swine Sessions
- George Young Conference

Updated June 2016
• Iowa State Disease Conference
• IPVS - International Pig Veterinary Society
• Leman Conference
• NAVC - Swine Session
• Seminars at World Pork Expo.
• Western States - Swine Seminar

Questions on the examination may be taken from sources other than this list.