

CHAPTER 1705

BOARD OF ANIMAL HEALTH

DISEASES OF DOMESTIC ANIMALS

ERADICATION OF BOVINE AND BISON BRUCELLOSIS

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ERADICATION OF BOVINE AND BISON BRUCELLOSIS

1705.0060 DEFINITIONS.

[For text of subps 1 to 6, see M R 1983]

Subp. 7. **Official brucellosis calfhoo**d vaccinate. "Official brucellosis calfhood vaccinate" means female dairy cattle under 20 months of age and female beef cattle under 24 months of age vaccinated against brucellosis by the product and at the age indicated in item A or B.

A. *Brucella abortus* vaccine, strain 19, live culture, standard dose:

(1) female dairy cattle vaccinated while they are from two through five months of age,

(2) female beef cattle vaccinated while they are from two through seven months of age.

B. *Brucella abortus* vaccine, strain 19, live culture, reduced dose: female dairy and beef cattle vaccinated while they are from four through ten months of age.

[For text of subps 8 to 16, see M.R 1983]

Statutory Authority: *MS s 35.03*

History: 8 SR 1659

1705.0260 OFFICIAL VACCINATION.

Brucella vaccine shall be licensed by the United States Department of Agriculture. Vaccine shall be sold to and administered by veterinarians only. Vaccine shall be administered by the method and dosage described by the manufacturer or the board.

Brucella abortus vaccine, strain 19, live culture, standard dose, may be administered to female dairy cattle while they are from two through five months of age and female beef cattle while they are from two through seven months of age *Brucella abortus* vaccine, strain 19, live culture, reduced dose, may be administered to female dairy and beef cattle while they are from four through ten months of age.

Statutory Authority: *MS s 35.03*

History: 8 SR 1659

1705.2060 [Repealed, 9 SR 201]

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1705.2230 [Repealed, 9 SR 201]

1705.2240 [Repealed, 9 SR 201]

1705.2250 [Repealed, 9 SR 201]

PSEUDORABIES CONTROL

1705.2400 DEFINITIONS.

Subpart 1. **Scope.** As used in parts 1705.2400 to 1705.2530, the terms defined in this part have the meanings given them.

Subp. 2. **Board.** "Board" means the Board of Animal Health.

Subp. 3. **Breeding herd.** "Breeding herd" means all swine on one premises which are at least six months old, which are maintained for breeding purposes, which are kept separated from all swine from other sources, and for which care personnel and equipment are not interchanged with other herds.

Subp. 4. **Infected herd.** "Infected herd" means a swine herd in which pseudorabies has been diagnosed in one or more animals by an official test, clinical diagnosis by a veterinarian, or laboratory diagnosis. The final determination of the herd status must be made by a state or federal district regulatory veterinarian.

Subp. 5. **Isolation.** "Isolation" means maintenance of swine in a manner which will ensure (1) that the swine have no physical contact with other domestic animals on the premises, (2) that all drainage of organic waste is handled to prevent it from having contact with any other swine on the premises, and (3) that the swine are separated from other animals by a lot or road or are held in a confinement building.

Subp. 6. **Official pseudorabies test.** "Official pseudorabies test" means the serum neutralization test or other tests approved by the United States Department of Agriculture which may be approved by the board if it finds that they are appropriate for the detection of pseudorabies. In approving additional

tests the board shall consider scientific evidence of their reliability, the opinions of experts, experience with their use, their cost-effectiveness, and their hazards; if any. The board shall keep a list of approved tests available to the public.

Subp. 7 Pseudorabies-controlled vaccinated herd. "Pseudorabies-controlled vaccinated herd" means a breeding herd in which all animals over six months old have been tested negative for pseudorabies and then officially vaccinated within 15 days under the direction of the board and monitored pursuant to part 1705.2490, subpart 2.

Subp. 8. Qualified pseudorabies-negative herd. "Qualified pseudorabies-negative herd" means a herd of swine which has been free of pseudorabies for the previous 12 months, in which all swine over six months old have been initially tested negative for pseudorabies, and for which the procedures in part 1705.2480 have been followed.

Subp. 9. Quarantined herd. "Quarantined herd" means an infected herd which is maintained on the quarantined premises so as not to have contact with animals belonging to other owners

Subp. 10. Restricted-movement swine. "Restricted-movement swine" means breeding or feeding swine of unknown pseudorabies status which are sold in Minnesota through a swine concentration point.

Subp. 11. Slaughter-only market. "Slaughter-only market" means a federally approved slaughter market for swine in which all swine moving through the facility are consigned directly to a slaughter establishment or sold for direct reassignment to a recognized slaughter establishment.

Subp. 12. Swine concentration point. "Swine concentration point" means a facility or location where swine are assembled for sale or resale for feeding, breeding, or slaughter purposes and where contact may occur between groups of swine from various sources. "Swine concentration point" includes, without limitation, a public stockyard, auction market, street market, state or federal market, untested consignment sales location, buying station, and livestock dealer's yard, truck, and facility.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2410 PSEUDORABIES TEST PROCEDURES.

Subpart 1. Blood sample. Blood samples drawn in administering an official pseudorabies test must be drawn by an accredited veterinarian, and serological tests must be conducted by a laboratory approved by the United States Department of Agriculture.

Subp. 2. Identification. Animals tested must be individually identified by eartag, tattoo, registration number, or standard ear notch. The identification number must be recorded on the test form.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2420 DISEASE REPORTING.

When clinical or laboratory evidence indicates the presence of pseudorabies in an individual animal or herd, the veterinarian or laboratory shall report that diagnosis to the board within two business days.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2430 INFECTED HERD QUARANTINE AND DISPOSAL PROCEDURES.

Subpart 1 **Quarantine.** The board shall immediately quarantine a herd which is affected with, which shows symptoms of, or which has been exposed to pseudorabies, as authorized by Minnesota Statutes, section 35.05.

Livestock other than swine which are infected with pseudorabies must be quarantined. The board shall lift the quarantine 21 days after the diagnosis of infection if there are no signs of pseudorabies in the quarantined livestock.

Subp. 2. **Epidemiological investigation.** When species of animals other than swine have been diagnosed as having pseudorabies, the state or federal district veterinarian shall conduct an epidemiological investigation of any swine on the premises. The investigation must include blood testing of ten percent of the swine over four months of age, made up of a minimum of ten head selected randomly. The owner shall pay the laboratory fees associated with this testing. If pseudorabies reactors are disclosed, or if the owner refuses to cooperate in carrying out the test, the swine herd must be quarantined in accordance with the quarantine procedures of this part.

Subp. 3. **Permitted disposal.** Livestock from an infected herd may be disposed of pursuant to item A or B.

A. Market or breeding swine or other infected or exposed species may only be sold for slaughter via a federally approved slaughter market, public stockyard, packer buying station, or directly to a slaughter plant accompanied by a shipping permit or an owner's notice of shipment.

B. Feeder pigs may only be sold to a quarantined feedlot accompanied by a shipping permit or an owner's notice of shipment. The quarantined swine feedlot must be a feedlot where purchased quarantined swine can be fed out in isolation from other domestic animals and where a state or federal veterinarian has determined that no breeding swine are on the premises, and the feedlot owner agrees to sell all the swine from the feedlot directly for slaughter accompanied by a shipping permit or owner's notice of shipment.

No person may sell swine which are known to be infected with or have been exposed to pseudorabies, except directly to slaughter or, in the case of feeder pigs, to a quarantined feedlot.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2440 RELEASE OF QUARANTINE.

Subpart 1. **Methods.** Swine herd quarantine release may be accomplished by any of the methods in items A to C.

A. The entire herd may be sold to slaughter accompanied by a shipping permit or owner notice of shipment. The premises must be cleaned and disinfected under the direction of the board. The quarantine must be released 30 days after completion of the cleaning and disinfection.

B. All swine positive to an official test may be removed from the premises. All remaining swine in the breeding herd must then pass a negative official test at least 30 days after the removal of the infected swine and a second negative official test of the breeding herd at least 30 days after the first negative official test before the quarantine is released.

C. Progeny may be weaned, isolated from a quarantined herd under direction of the board, and pass two negative official tests of 100 percent of these pigs at least 30 days apart.

Subp. 2. **Mistaken tentative diagnosis.** When an epidemiological evaluation and herd history establish that a tentative diagnosis of pseudorabies is the result

of a vaccination reaction, the quarantine must be released. The epidemiological evaluation must be conducted under the direction of the district veterinarian and must include all the items in items A to D.

A. The herd owner shall submit a signed statement that the animal diagnosed as having pseudorabies was either vaccinated for pseudorabies or was the progeny of a vaccinated animal. The owner shall also state that, to the best of his knowledge, he has not seen any indication of pseudorabies in the herd.

B. The attending veterinarian shall submit a signed statement that he has not seen symptoms of pseudorabies in the herd.

C. Evidence must be submitted to document the use of pseudorabies vaccine in the herd. Acceptable evidence includes purchase records, owner vaccination request forms, or other reliable evidence that the owner has vaccinated his herd for pseudorabies.

D. A negative pseudorabies test must be conducted, at the owner's expense, on at least 20 unvaccinated swine over four months of age.

Subp. 3. **21-day period for release.** A quarantine on livestock other than swine must be released 21 days after the diagnosis or exposure if there are no signs of pseudorabies in the herd.

Subp. 4. **Owner's expense.** Pseudorabies tests conducted on a quarantined premises are at the owner's expense.

Subp. 5. **Veterinarian determines quarantine release.** A state or federal regulatory veterinarian must make the final determination on quarantine release.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2450 PSEUDORABIES TRACE TO SOURCE HERD.

Subpart 1 **Information furnished.** The owner of a herd in which pseudorabies has been diagnosed shall furnish the following information to the board:

A. a list of sources of purchases of feeding or breeding swine during the preceding year; and

B. a list of sales of feeding or breeding swine during the preceding year.

Subp. 2. **Pseudorabies diagnosed in recently purchased swine.** If pseudorabies is diagnosed in breeding or feeding swine which have been purchased from another swine producer within the preceding 12 months, the board shall require a pseudorabies test of ten percent of the breeding herd of the seller or ten percent of the progeny over four months of age of a vaccinated herd.

Subp. 3 **Refusal to test.** If pseudorabies titres are disclosed on a test conducted pursuant to subpart 2 or the owner refuses to test, the herd must be considered to be an infected herd.

Subp. 4. **Owner's expense.** Testing pursuant to subpart 2 or 3 must be done at the swine owner's expense.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2460 INTRASTATE MOVEMENT OF BREEDING SWINE.

Subpart 1 **Health certificate.** No person may sell, lease, or loan breeding swine within the state of Minnesota unless the swine are accompanied by a health certificate or test chart provided by the seller which includes:

A. identification by a yellow metal eartag, tattoo, brand, or ear notch recognized by a breed association; and

B. a negative pseudorabies test conducted within 30 days prior to the sale, except for swine from a qualified pseudorabies-negative herd or a pseudorabies-controlled vaccinated herd.

Subp. 2. **Restricted-movement classification.** Breeding swine sold through a swine concentration point where they could come in contact with feeder pigs, market hogs, or other untested swine, are restricted-movement breeding swine.

Subp. 3. **Restricted-movement identification.** Restricted-movement breeding swine must be identified at the swine concentration point by a yellow metal eartag in the right ear.

Subp. 4. **Restricted-movement certificate.** Restricted-movement breeding swine must be moved from the swine concentration point to the herd of destination accompanied by a certificate explaining the restricted-movement breeding swine status. A copy of this restricted-movement certificate must be retained for two years at the swine concentration point and one copy must be submitted to the board. At the herd of destination they must be maintained in the herd until they have farrowed and then must be sold for slaughter. Restricted movement breeding swine may not be resold for breeding purposes except pursuant to subpart 7.

Subp. 5. **Restricted-movement breeding swine purchased for resale.** Restricted-movement breeding swine purchased at a swine concentration point by a livestock dealer for resale purposes must be:

A. maintained separately from other swine until resold;

B. accompanied to the farm of destination by a document explaining the restricted-movement breeding swine status; and

C. maintained on the farm of destination, farrowed, and sold in the manner set forth in subpart 4.

Subp. 6. **Sale of restricted-movement breeding swine.** Restricted-movement breeding swine may be sold for slaughter as cull sows or boars through any livestock marketing channel. They may not, however, be sold through a marketing facility at which breeding stock is sold unless the facility maintains separate chutes, pens, and scales for breeding swine.

Subp. 7. **Removal of restricted-movement classification.** The restricted-movement breeding swine classification may be removed from swine by a negative pseudorabies test conducted at least 30 days after movement of the swine through the swine concentration point.

Subp. 8. **Other restricted-movement swine.** All swine which are maintained in contact with restricted-movement breeding swine in the herd of destination are also restricted-movement swine.

Swine classified as restricted-movement swine because of exposure to restricted-movement breeding swine may not be resold except to slaughter unless they are tested negative to pseudorabies.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2470 INTRASTATE MOVEMENT OF FEEDER PIGS.

Subpart 1. **Restricted-movement classification.** All feeder pigs sold in Minnesota through a swine concentration point must be classified as restricted-movement feeder pigs. Restricted-movement feeder pigs are not eligible for resale through a second swine concentration point except as provided in subpart 4.

Subp. 2. **Restricted-movement identification.** Restricted-movement feeder pigs must be identified at the swine concentration point by a one-half inch diameter hole punched in the right ear or by a yellow metal eartag. The choice of identification is made by the management of the swine concentration point.

Subp. 3. Restricted-movement certificate. Restricted-movement feeder pigs bearing a yellow metal eartag must be moved from the swine concentration point to the herd of destination accompanied by a certificate explaining the restricted-movement feeder pig status. A copy of this restricted-movement certificate must be retained for two years at the swine concentration point and one copy must be submitted to the board. Feeder pigs bearing the one-half inch ear punch need not be accompanied by a certificate. At the herd of destination all restricted-movement feeder pigs must be maintained in isolation from breeding swine until they are sold for slaughter. They may not be used for breeding purposes or resold for breeding purposes except pursuant to subpart 6.

Subp. 4. Restricted-movement feeder pigs purchased for resale. Restricted-movement feeder pigs purchased at a swine concentration point by a livestock dealer for resale purposes must be:

A. maintained separately from other swine until resold;

B. accompanied to the farm of destination by a document explaining the restricted-movement feeder pig status; and

C. maintained on the farm of destination, fed out, and sold pursuant to subpart 5.

Subp. 5. Sale of restricted-movement feeder pigs. Restricted-movement feeder pigs may be sold as market hogs through any livestock marketing channel. They may not, however, be sold through a marketing facility at which breeding stock is sold unless the facility maintains separate chutes, pens, and scales for breeding swine.

Subp. 6. Removal of restricted-movement classification. The restricted-movement feeder pig classification may be removed from swine by a negative pseudorabies test conducted at least 30 days after movement of the swine through the swine concentration point.

Statutory Authority: *MS s 35 255*

History: *9 SR 201*

1705.2480 QUALIFIED PSEUDORABIES-NEGATIVE HERD PROCEDURES.

Subpart 1. Qualifications. To qualify a herd for qualified pseudorabies-negative herd status:

A. the herd must have been free of pseudorabies for the previous 12 months;

B. all breeding stock six months of age or older must have passed an initial negative pseudorabies test, and

C. the herd owner must sign a herd agreement of compliance.

Subp. 2. Qualified herd certificate. Following the receipt by the board of a report of the initial negative herd test and the signed herd agreement, the board shall issue a numbered qualified herd certificate. The initial qualification is valid for 90 days or until the next scheduled requalification test.

Subp. 3. Requalification testing. The pseudorabies status of a qualified pseudorabies-negative herd must be monitored and its status maintained by having a negative test of at least 25 percent of the breeding herd every 80 to 100 days. All breeding swine must be subject to at least one official test once a year. No swine may be tested twice in one year to comply with the 25 percent test requirement.

If there are ten or fewer swine at least six months of age in the herd at any quarterly requalification test, all swine at least six months of age must be tested.

If the breeding herd is maintained on more than one premises, 25 percent of the animals on each premises must be tested for each requalification.

Subp. 4. **Qualification canceled, regained.** The board shall cancel qualified pseudorabies-negative herd status if any swine show a positive test or are diagnosed as having pseudorabies, if herd additions are made contrary to subparts 5 and 6, or for failure to comply with subpart 3.

Swine herds which have lost their qualified pseudorabies-negative herd status may regain that status by being free of pseudorabies for a period of 12 months and by following the herd qualification procedure outlined in subpart 1

Subp. 5. **Testing purchased additions.** All purchased additions, except those purchased pursuant to subpart 6, must have a negative test for pseudorabies within 30 days prior to movement, and must be isolated and retested negative at least 30 and within 45 days from the date of their receipt upon the premises.

Subp. 6. **Additions from qualified herds.** Additions may be purchased directly from a qualified pseudorabies-negative herd or a pseudorabies-controlled vaccinated herd without the negative 30-day test prior to movement. These animals, however, must be isolated and tested negative at least 30 and within 45 days after their receipt. Purchased additions are not considered to be part of the herd for monitoring pursuant to subpart 3 until 30 days after the test.

Subp. 7. **Swine returned to qualified herd.** Swine returned to qualified pseudorabies-negative herds from exhibitions or which are otherwise commingled with swine from herds not qualified must be kept in isolation upon return for 30 days and have a negative official pseudorabies test before rejoining the herd.

Subp. 8. **Sale from qualified herd.** Swine from a qualified pseudorabies-negative herd may be sold in Minnesota for breeding or feeding purposes without further testing or restriction of movement unless they are sold through a swine concentration point.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2490 PSEUDORABIES-CONTROLLED VACCINATED HERD PROCEDURES.

Subpart 1 **Progeny.** Progeny of a pseudorabies-controlled vaccinated herd do not need to be vaccinated until they enter the breeding herd

Subp. 2. **Progeny 4 to 5 months of age.** To maintain and monitor the status of a pseudorabies-controlled vaccinated herd, at least 25 percent of the progeny between the ages of four and five months must have a negative pseudorabies test every 90 days.

Subp. 3. **Purchased additions.** All purchased additions to a pseudorabies-controlled vaccinated herd must be tested negative for pseudorabies within 30 days prior to their arrival or must originate from a qualified pseudorabies-negative herd.

All purchased additions, however, must be isolated and retested negative in not less than 30 nor more than 45 days and then vaccinated for pseudorabies within 15 days of the test.

Subp. 4. **Sale of vaccinated animals.** Progeny from a pseudorabies-controlled vaccinated herd may be sold in Minnesota for breeding or feeding purposes without further testing.

Vaccinated animals from a pseudorabies-controlled vaccinated herd may be sold for breeding purposes only with a negative test within 30 days prior to the sale

Subp. 5. **Quarantine.** If a pseudorabies-controlled vaccinated herd is determined to be infected with pseudorabies, the herd must be quarantined and the owner must comply with part 1705 2430 to have the quarantine released

Subp 6 Epidemiological evaluation. If one of the herd-monitoring tests discloses low titres (1:8 or less) in one or more animals which may be caused by vaccination maternal antibodies, an epidemiological evaluation must be conducted by the district veterinarian which may include a retest of the titled swine in 30 days and a test of 20 other unvaccinated animals over four months of age.

During the process of this epidemiological evaluation, swine from this herd are temporarily ineligible for sale except to slaughter.

Failure to allow this evaluation will result in herd quarantine and the loss of pseudorabies-controlled vaccinated herd status

The final determination of the status of the herd must be made by the district veterinarian involved.

Statutory Authority: *MS s 35 255*

History: *9 SR 201*

1705.2500 COMMUNITY NOTIFICATION OF PSEUDORABIES INFECTION.

Within 14 days of declaration of a quarantine or approval of quarantined feedlot status, the district veterinarian shall notify livestock owners within a one-mile radius of the infected herd, or quarantined feedlot. The district veterinarian shall also notify the clerk of the township board of the affected township in writing

Statutory Authority: *MS s 35 255*

History: *9 SR 201*

1705.2510 EXHIBITION OF SWINE.

Subpart 1 Conditions for exhibition. Swine may be exhibited at fairs, livestock exhibitions, or consignment sales if they are in compliance with item A or B.

A. All swine exhibited or sold, except at exhibitions described in item B, must be accompanied by a health certificate showing:

(1) a negative pseudorabies test within 30 days prior to the start of the exhibition or origination from a qualified pseudorabies-negative herd or a pseudorabies-controlled vaccinated herd, and

(2) a statement that the swine did not originate from a herd that has had pseudorabies during the previous 12 months

B. Health certificates are not required for swine exhibited:

(1) at a terminal show or slaughter class where swine are exhibited under the following conditions:

(a) where exhibited swine are sent directly to slaughter after the exhibition;

(b) where no other species are housed in the same show barn at the same time; and

(c) where swine are unloaded at a separate chute from other species; or

(2) at an untested terminal swine show held at the end of the exhibition after other species have gone home.

Subp. 2. Quarantined swine. No swine from a quarantined herd may be exhibited at any type of exhibition

Subp. 3. Isolation and retesting. Swine returning to the exhibitor's home herd or to a purchaser's herd from exhibitions or consignment sales must be isolated and retested negative for pseudorabies not less than 30 nor more than 60 days after return from the exhibit

Subp. 4. **Other requirements.** Parts 1715.0010 to 1715.0190 contain other swine exhibition requirements.

Subp. 5. **Out-of-state swine.** Out-of-state swine, when exhibited in Minnesota, must meet Minnesota's importation requirements in parts 1700.2600 to 1700.3000, and the exhibition requirements of this part.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2520 TRANSPORTATION OF PSEUDORABIES-INFECTED OR -EXPOSED ANIMALS.

Subpart 1. **Vehicles exposed.** All vehicles used as public carriers for livestock known to be infected with or exposed to pseudorabies must:

A. contain a shipping permit or owners notice of shipment when quarantined livestock are being transported; and

B. be cleaned and disinfected pursuant to subpart 2 before being used for transportation of other livestock.

Subp. 2. **Cleaning vehicle.** A vehicle must be cleaned by thorough removal of all litter, manure, and refuse, and disinfected by the use on all floors, interior walls, and the vehicle chassis of a disinfectant approved by the United States Department of Agriculture.

Provision must be made for the disposition of all manure, litter, and refuse removed from vehicles into an area where other livestock cannot come in contact with it.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*

1705.2530 EXPERIMENTAL USE OF DIAGNOSTIC BIOLOGICAL PRODUCTS.

Notwithstanding the quarantine provisions of this chapter and parts 1720.0580 to 1720.0640, in order to promote and encourage the research on new diagnostic biological products, the board shall authorize the limited experimental use of diagnostic biological products for testing for pseudorabies if the use is part of a research project sponsored by the University of Minnesota, College of Veterinary Medicine. The research project must be conducted under conditions and limitations, including restrictions on swine movement, which the board determines are adequate to prevent the spread of disease.

No quarantine will be issued on pseudorabies-infected herds disclosed on tests conducted during a board-approved field research on biological products if:

A. all herds proposed to be tested during the research projects are identified to the board;

B. full disclosure of all test results from each research herd are promptly reported to the board; and

C. herd owners agree that swine from positive herds will only be sold to slaughter.

Statutory Authority: *MS s 35.255*

History: *9 SR 201*