CEAH Bison 2014 Study
Needs Assessment Survey

Please return completed survey by July 15, 2013.

Through the National Animal Health Monitoring System (NAHMS), the APHIS Centers for Epidemiology and Animal Health plans to survey producers/operators in 2014 to meet the information needs of the bison industry and its allied groups. By completing this needs assessment, you will help us establish objectives for the study.

Thank you in advance for your help!

1. Indicate your primary involvement with the bison industry: (Check only one.)
   - ____ Producer/operator
   - ____ Processor/marketer
   - ____ Veterinary practitioner
   - ____ University/extension
   - ____ Federal/State government
   - ____ Allied industry (e.g., pharmaceutical company, feed supplier)
   - ____ Other (please specify): __________________________

2. Which other farmed species are you involved with? (Check all that apply.)
   - ____ Cattle
   - ____ Sheep/goat
   - ____ Swine
   - ____ Poultry
   - ____ Deer/elk (wapiti)
   - ____ Other farmed livestock (please specify): _______________

3. Which segments of the bison industry are you involved in? (Check all that apply.)
   - ____ Breeding stock
   - ____ Commercial meat production
   - ____ Hunting operation
   - ____ Conservation herd
   - ____ Other (please specify): _______________
4. Choose the top three management issues on which you would like the Bison 2014 study to focus. (Number the issues in order of priority—1, 2, 3.)

   ____ Biosecurity practices (sources and introduction of new animals, quarantine)
   ____ Contact with other livestock (cattle, deer, etc.) and/or feral swine/native wildlife
   ____ Death loss
   ____ Disease surveillance, testing, and impediments to testing
   ____ Parasite control
   ____ Pasture/grazing management
   ____ Reproductive management (pregnancy diagnosis, weaning, breeding soundness)
   ____ Vaccination/immunization
   ____ Veterinarian use
   ____ Other (please specify): ________________________________

5. For each of the top three priority management issues selected in question 4, list two specific areas of interest.

   Example:
   
   Issue #1: Biosecurity practices
          Interest a: Quarantine for illness
          Interest b: Transport vehicle cleaning

   Specific areas of interest for top three issues:

   Issue #1
          a: _________________________  a: _________________________
          b: _________________________  b: _________________________

   Issue #2
          a: _________________________
          b: _________________________

   Issue #3
          a: _________________________
          b: _________________________
6. Select three diseases, disorders, or pathogens on which you would like the Bison 2014 study to focus. (Number the issues in order of priority—1, 2, 3.)

___ Anaplasmosis
___ Anthrax
___ Bovine viral diarrhea (BVD)
___ Brucellosis
___ Clostridium (tetanus, blackleg, malignant edema, enterotoxemia/overeating disease/grain overload)
___ Digestive diseases/diarrhea (e.g., cryptosporidiosis, coronavirus, E. coli, rotavirus)
___ Foreign animal diseases (foot-and-mouth disease/FMD, etc.)
___ Haemophilus somnus disease
___ Hemorrhagic diseases (e.g., bluetongue/epizootic hemorrhagic disease)
___ Hoof problems or lameness
___ Johnes’s disease (paratuberculosis)
___ Malignant catarrhal fever (MCF)
___ Mycoplasma bovis
___ Necrobacillosis (foot rot, lumpy jaw)
___ Ocular disease (pinkeye, etc.)
___ Other pneumonia/respiratory disease (e.g., BRSV, IBR, pasteurellosis, PI3)
___ Parasites—external (e.g., ticks, lice, flies)
___ Parasites—internal (e.g., Toxocara vitulorum or other gastrointestinal parasites, lung worms, liver flukes)
___ Reproductive disorders (e.g., dystocia, abortion, trichomoniasis)
___ Toxins (e.g., toxic plants, organochlorine residues)
___ Tuberculosis (bovine TB)
___ Other (please specify): ______________________________

7. For each of the top three diseases, disorders, or pathogens selected in question 6, list two specific areas of interest.

Example:
Disease #1: Pneumonia/respiratory disease  Interest a: Treatments used
Interest b: Treatment success/failure rate

Specific areas of interest for top three issues:

Disease #1
a: _________________________
b: _________________________

Disease #2
a: _________________________
b: _________________________

Disease #3
a: _________________________
b: _________________________
8. We sometimes offer free lab testing to further the objectives of studies and to encourage participation. How effective would the following incentives be for encouraging bison producers/operators to participate in this or any future studies?

<table>
<thead>
<tr>
<th>Incentive</th>
<th>Not at all</th>
<th>Somewhat</th>
<th>Extremely</th>
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<tbody>
<tr>
<td>Feed testing</td>
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<td>Drinking water testing (e.g., for nitrates, sulfates)</td>
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<td>Soil testing</td>
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<td>Fecal testing (specify type of test or disease: _______________)</td>
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<td>Other incentive (specify: __________________)</td>
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Return completed survey to:

National Animal Health Monitoring System
2150 Centre Ave., Bldg. B, MS 2E7
Fort Collins, CO 80526-8117