

Animal and Plant Health Inspection Service

Veterinary Services

Bison 2014 Study

National Animal Health Monitoring System

2150 Centre Ave., Bldg. B, MS 2E7 Fort Collins, CO 80526

Form Approved
OMB Number 0579-xxxx
Approval expires:

Your participation in this survey will provide valuable information about management practices of the bison industry. Participation is voluntary and confidential, and the information you provide will not be reported on an individual level. The information will be summarized and reported on a regional and national basis only. We estimate that this survey will take approximately 30 minutes to complete **To ensure your privacy, please do not put your name or other identification on this form.**

			Cootion 1 Invent						
_	Section 1. Inventory								
CO	mmon ownersl	nip and managed on one	or more locations.	group of ranched or farme For example, an operation r or grazing pastures at a sep	night consis	t of a			
1.		2013, through May 31, 201 on this operation, regardles		or		□₁Yes			
[If	question 1 = N	o, SKIP to section 9, p <mark>xx</mark>	<mark>x</mark> .]						
2.		2013, through May 31, 201 at more than one location		have		□₁Yes			
3.	On June 1, 20	14, what was the inventory	of bison on this oper	ration?					
	Bison	Number bison more than 3 years old	Number bison 1 to 3 years old	Number bison calves (less than 1 year old)	Total				
	Females								
	Males								
						_			

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-xxxx. The time required to complete this information collection is estimated to average 0.5 hours per response, including the time to review instructions, search existing data resources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

NAHMS-320 August 2014

date

Private sale	Number bison 1 year and older	Number bison calves (less than 1 year old)
Trade		
Auction/sale barn		
Dealer		
Other (specify:)		
Total		
or were removed from the operation (including	Number bison	Number bison calves
Method of removal	1 year and older	(less than 1 year)
Private sale—onsite hunting		!
Private sale—for meat or other products		
Private sale—for meat or other products Private sale—for breeding stock		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot Direct to slaughter/packer		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot Direct to slaughter/packer Sold at auction/sale barn		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot Direct to slaughter/packer Sold at auction/sale barn Sold to dealers		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot Direct to slaughter/packer Sold at auction/sale barn Sold to dealers Lost or stolen		
Private sale—for meat or other products Private sale—for breeding stock Traded or given away Direct to feedlot Direct to slaughter/packer Sold at auction/sale barn Sold to dealers		

[If question 10 = No, SKIP to section 2.]

NAHMS Bison 2014 2

8. From June 1, 2013, through May 31, 2014, how many bison died from natural causes?

	Number bison more than 3	Number bison	Number bison calves
Cause of death	years old	1 o 3 years old	(less than 1 year old)
a. <i>Mycoplasma bovis</i> (confirmed)			
b. Other respiratory illness/pneumonia			
c. Digestive illness			
d. Neurologic disorder			
e. Handling related			
f. Predation			
g. Trauma (not related to predation or handling)			
h. Lightning/weather related			
i. Other (specify:)			
j. Unknown			
Total			

Section 2. Operation Management

1.		om June 1, 2013, through May 31, 2014, was this operation involved in the owing segments of the bison industry?		
	a.	Commercial cow-calf producer (produced offspring intended for meat market)	□₁Yes	□₃No
	b.	Seedstock producer (produced offspring intended for breeding purposes)	□₁Yes	□₃ No
	c.	Feedlot	□₁Yes	□₃No
	d.	Backgrounder/stocker (prepared young bison for a feedlot)	□₁Yes	□₃No
	e.	Game ranch/hunting	□₁Yes	□₃ No
	f.	Preparation/sale of byproducts (e.g., hides, skulls, horns, hair, etc.)	□₁Yes	□₃ No
	g.	Conservation	□₁Yes	□₃ No
	h.	Hobby/pasture pet	□₁Yes	□₃ No
	i.	Tourism	□₁Yes	□₃No
	j.	Other (specify:)	□₁Yes	□₃ No
2.	of t	ou selected Yes for more than one option in question 1, which segment the industry do you consider to be this operation's primary activity?		

3.		es this operation use specific practices to target the following rketing channels for its bison or products?						
	a.	Genetics-based program	□₁Yes	□₃No				
	b.	Conventional	□₁Yes	□₃No				
	C.	Natural	□₁Yes	□₃No				
	d.	Grass-fed	□₁Yes	□₃No				
	e.	Certified organic calf production (operation certified by USDA)	□₁Yes	□₃No				
	f.	Other (specify:)	□₁Yes	□₃No				
4.	Ho	w many years have ranched bison been raised at this location?		_ years				
5.		ich of the following best describes plans for the bison herd this operation over the next year? [Check one only.]						
	\square_1 Increase herd size by more than 10 percent							
	\square_2	Maintain same herd size (within 10 percent)						
	Пз	Decrease herd size by more than 10 percent						
	\square_4	Get out of the business						
6.		m June 1, 2013, though May 31, 2014, were the following records intained (computer or handwritten) for this operation?						
	a.	Purchases and sales	□₁Yes	□₃No				
	b.	Breeding	□₁Yes	□ ₃ No				
	C.	Health	□₁Yes	□₃No				
	d.	Pasture/natural resource conditions	□₁Yes	□₃ No				
	e.	Other (specify:)	$\square_1 Yes$	□ ₃ No				
7.		at percentage of this operation's June 1, 2014, bison inventory (p 1) some type of individual animal identification? (0% to 100%)	_	%				
[If	que	stion 7 = zero, SKIP to section 9.]						
8.		m June 1, 2013, through May 31, 2014, what percentage of this operation's on were individually identified by the following methods? (0% to 100%)						
	a.	Plastic ear tag		%				
	b.	Brucellosis vaccination ear tag (Bang's tag)		%				
	C.	Other metal ear tag		%				
	d.	Electronic ear tag		%				
	e.	Electronic implant/microchip		%				
	f.	Tattoo/freeze brand		%				
	g.	Other (specify:)		%				

9. From June 1, 2013, through May 31, 2014, did this operation use the following types of fencing to confine bison; if Yes, what was the approximate height of each type?

					, approx. ght (feet)
a.	Barbed wire		□₁Yes □₃No	_	
b.	High-tensile wire		□₁Yes □₃No	_	
C.	Woven wire		□₁Yes □₃No	_	
d.	Electric		□₁Yes □₃No	_	
e.	Steel pipe		□₁Yes □₃No	_	
f.	Wood		□₁Yes □₃No	_	
g.	Other (specify:)		\square_1 Yes \square_3 No	_	
	om June 1, 2013, through May 31, 2014, were another bison confined in double fencing?			□₁Yes	□ ₃ No
11. D	oes this operation have facilities for handling/pr	ocessing ranche	d bison?	□₁Yes	□₃ No
If	Yes, were these facilities designed specifically f	for handling biso	n?	□₁Yes	□ ₃ No
ro	om June 1, 2013, through May 31, 2014, did the und up any of its bison?			□₁Yes	□₃No
	or the last time this operation rounded up any bi unded up for the following reasons?	son, were they			
a.	Vaccination			□₁Yes	□₃ No
b.	Weaning			□₁Yes	□₃ No
C.	Separation for slaughter			□₁Yes	□₃No
d.	Deworming			□₁Yes	□ ₃ No
e.	Veterinary need			□₁Yes	□₃No
f.	Pregnancy checking			□₁Yes	□₃ No
g.	Movement/transport			□₁Yes	□₃ No
h.	Disease testing			□₁Yes	□₃ No
i.	Other (specify)		□₁Yes	□₃No
14. H	ow many people assisted with roundup (all or p	art of it)?		#	people
	ow many hours did it take to round up the animacomplish the reason(s) for the roundup?				# hours

Section 3. Biosecurity

1.	From June 1, 2013, through May 31, 2014, were any ranched bison belonging to a different operation located within 1 mile of the bison on this operation?
[If	question 1 = No or Don't know, SKIP to question 3.]
2.	Did these other ranched bison have fence-line contact with any bison belonging to this operation? \Box_1 Yes \Box_3 No
3.	From June 1, 2013, through May 31, 2014, were any new bison brought on to this operation (temporarily or permanently), or did any bison leave the operation and return (such as taken to pasture on land not belonging to the operation, bred off-site, etc.)? $\Box_1 \text{Yes} \Box_3 \text{No}$
[If	question 3 = No, SKIP to question 10.]
4.	From June 1, 2013, through May 31, 2014, were male or female bison temporarily brought in from other herds for breeding purposes?
	a. Male bison□1Yes □3No
	b. Female bison□1Yes □3No
5.	From June 1, 2013, through May 31, 2014, were male or female bison from this operation sent to other herds for breeding purposes and subsequently returned?
	a. Male bison \square_1 Yes \square_3 No \square_4 No male bison on site
	b. Female bison $\square_1 Yes$ $\square_3 No$ $\square_4 No$ female bison on site
6.	From June 1, 2013, through May 31, 2014, were any bison from this operation sent off the operation for grazing and returned? \Box_1 Yes \Box_3 No
[If	question 6 = No, SKIP to question 8.]
7.	Were bison sent off the operation for grazing typically commingled on pasture with:
	a. Ranched bison from other operations? \square_1 Always \square_2 Sometimes \square_3 Never
	b. Cattle from other operations? \square_1 Always \square_2 Sometimes \square_3 Never
8.	From June 1, 2013, through May 31, 2014, how often were new or temporary additions or returning bison isolated (no physical contact or shared confinements) before being (re)introduced into this operation's herd?
[If	question 8 = Never, SKIP to question 10.]
9.	How many days were new additions or returning bison typically isolated on this operation? days

10. From June 1, 2013, through May 31, 2014, were the following farmed animals also raised on this operation; if Yes, could they have direct contact with the bison?

Farmed animal	On operation	If Yes, contact with bison?
Beef cattle	□₁Yes □₃No	□₁Yes □₃No
Dairy cattle	□₁Yes □₃No	□₁Yes □₃No
Sheep	□₁Yes □₃No	□₁Yes □₃No
Goats	□₁Yes □₃No	□₁Yes □₃No
Horses, donkeys, etc.	□₁Yes □₃No	□₁Yes □₃No
Swine	□₁Yes □₃No	□₁Yes □₃No
Poultry	□₁Yes □₃No	□₁Yes □₃No
Deer, elk, or other cervids	□₁Yes □₃No	□₁Yes □₃No
Other (specify:)	□₁Yes □₃No	□₁Yes □₃No

11. From June 1, 2013, through May 31, 2014, were the following wild animals ever seen on this operation or near the fence line?

Wild animal	On operation	Near fence line
Sheep (e.g., bighorn)	□₁Yes □₃No	□₁Yes □₃No
Goats (e.g., mountain)	□₁Yes □₃No	□₁Yes □₃No
Deer, elk, or other cervids	□₁Yes □₃No	□₁Yes □₃No
Feral swine or wild boars	□₁Yes □₃No	□₁Yes □₃No
Other (specify:)	□₁Yes □₃No	□₁Yes □₃No

12.	From June 1, 2013, through May 31, 2014, did this operation share trucks and/or trailers used to transport bison with other livestock operations (including bison, cattle, sheep and goat operations)?	□₁Yes	□₃No
[If o	question 12 = No, SKIP to question 15.]		
13.	Were shared trucks/trailers cleaned prior to use?	□₁Yes	□ ₃ No
[If o	question 13 = No, SKIP to question 15.]		
14.	Which of the following best describes the procedures for cleaning shared trucks/trailers? [Check one only.]		
	\square_1 Wash equipment with water or steam only		
	□₂ Chemically disinfect only		
	\square_3 Wash equipment and chemically disinfect		
	□₄ Other (specify:)		
15.	From June 1, 2013, through May 31, 2014, did this operation share any equipment, other than trucks and trailers (e.g., tractors, chutes, feeding equipment, manure spreaders), with other livestock operations (including bison, cattle, sheep and goat operations)? \Box_1 Yes	s □₃No	

[If question 15 = No, SKIP to question 18.]

NAHMS Bison 2014 7

16.	Wa	s shared equipment cleaned prior to use?			$\square_1 Yes$	\square_3 No
[If	ques	stion 16 = No, SKIP to question 18.]				
17.		ich of the following best describes the procedures for clean eck one only.]	ing shared equipm	ent?		
	\square_1	Wash equipment with water or steam only				
	\square_2	Chemically disinfect only				
	\square_3	Wash equipment and chemically disinfect				
	\square_4	Other (specify:)				
18.	thro	w many times did the following types of people visit your open ough May 31, 2014? If more than zero, enter the number of ect contact with the operation's bison.		., 2013,		
				If at le	ast one v	isit,
	Ty	pe of visitor	Approximate # visits per year	involvinç	per of vis g direct c ith bison	ontact
	-	Private or government veterinarian or animal health worker				
	b.	Nutritionist or feed company consultant				
	C.	Customer (e.g., private individual) purchasing hides, skulls, meat, or other bison products				
	d.	Bison trader, buyer, or dealer				
	e.	Renderer				
	f.	Other visitors (including other producers, neighbors, friends, school field trip visitors, etc.)				
		Section 4. Reproduc	ction			
1.		m June 1, 2013, through May 31, 2014, were any bison d while on this operation?			□₁Yes	□₃No
[If	ques	stion 1 = No, SKIP to question 12.]				
2.		re the following practices used during the most recent breed bison bred on this operation?	ding season			
	a.	Single male placed with multiple females			$\square_1 Yes$	□ ₃ No
	b.	Single male placed with single female			$\square_1 Yes$	□ ₃ No
	c.	Multiple males placed with multiple females			□₁Yes	□ ₃ No
	d.	Artificial insemination			□₁Yes	□ ₃ No
	e.	Embryo transfer			□₁Yes	□₃ No

3.	W	ere the following reproductive techniques used for the						
	a.	Body condition scoring					□₁Yes	□₃No
	b.	1 0 7					□₁Yes	
	С.	Ultrasound					□₁Yes	
	d.						□₁Yes	
	e. •						□₁Yes	
	f.	Other (specify:)					□₁Yes	□₃No
thi	s op	ions 4 through 10 ask about bison breeding fema peration from June 1, 2013, through May 31, 2014 luring the 2013 breeding season.						
Bre	<u>eedi</u>	ing females						
4.		ow many breeding females were present during this enter zero.]						#
5.	bre	breeding females on site for the entire time (questioned (exposed to bulls, had artificial insemination) during zero, skip to question 11.]	ng the 201	L3 breed	ing season?			#
6	-	ow many gave birth to full-term calves (whether alive						<i>"</i>
		s born in 2014 to females bred during the 2013 breed	-					т
		ow many total full-term calves were born (whether aliv	•	• •	,			44
								#
		ow many total full-term calves were born alive?						#
		ow many of the calves born alive (question 8) survive						#
		ne number of calves born dead is (subtract question 8	·	ŕ			–	#
11.		ring the most recent calving season, were bison heif this operation monitored for birthing problems during					□₁Yes	□₃No
12.		om June 1, 2013, through May 31, 2014, were bison the following reasons? If Yes, at what age and appr				ed		
			Yes	/No	If yes, avg age (months)	and	Avg w	gt
	a.	Weaning	□₁Yes	□₃No]		
	b.	Vaccination/deworming	□₁Yes					
	С	Identification (e.g., ear tag, microchip, tattoo)	□₁Yes	□₃No				
	d	Transportation (e.g., move to pasture, feedlot, etc.)	□₁Yes	□₃No				
	е	Other (specify)	□₁Yes	□₃No			L	
13.		Thich of the following best describes the operation's perfect one only.] Random selection (e.g., choosing every third group Size/conformation Genetic analysis Behavior/manageability Other (specify:				ing bis	ion?	

Section 5. Grazing, Pasture Management, and Feeding

1.	Fro ave	animals/acr			
2.	\square_1 \square_2 \square_3	nat grazing system does this operation use? Rotational Continuous Combination Other			
3.	Но	w many months per year are this operation's bison on range/pasture?	m	nonths/yr	
4.	bis a.	om June 1, 2013, through May 31, 2014, were this operation's on provided the following while on range/pasture? Hay/roughage supplements		s □₃No s □₃No	
		Vitamin supplements		S □ ₃ No	
		Energy/concentrates supplements	□₁Yes	S □ ₃ No	
5.		om June 1, 2013, through May 31, 2014, how were this operation's on grouped while on range/pasture?			
	a.	Cows/calves, yearlings, and bulls kept in separate groups	□₁Yes	s □ ₃ No	
	b.	Bison kept in family groups	□₁Yes	s □₃ No	
	c.	Bison of different origins grouped	□₁Yes	s □₃ No	
	d.	Bison grouped by age	□₁Yes	s □₃ No	
	e.	Other (describe:)	□₁Yes	S □ ₃ No	
		Section 6. Diseases, Parasites, and Health Management			
1.		om June 1, 2013, through May 31, 2014, were the following fly control thods used on this bison operation?			
	a.	Environmental fly control (sprays, foggers, strips, zappers)	\square_1 Yes	□₃No	
	b.	Topical products (dust bags, dips, sprays, backrubs)	□₁Yes	□₃No	
	C.	Treated ear tags	□₁Yes	□₃No	
	d.	Biological control (such as predator wasps)	□₁Yes	□₃No	
	e.	Oral products (such as feed-throughs)	$\square_1 Yes$	□₃No	
	f.	Other (specify:)	□₁Yes	□₃No	
2.		om June 1, 2013, through May 31, 2014, were any of this eration's bison dewormed?	□₁Yes	s □₃No	
[If e	que	stion 2 = No, SKIP to quesiton 6.]			
3.		w many times were the majority of bison dewormed ring the year?		times	

4.	Were any of the following dewormers used during the year?							
	a.	Conventional dewormers (e.g. Ivermectin,	Safeguard®, Doram	ectin)		□₁Yes	□₃ No	
	b.	Natural or alternative dewormers (e.g., bot	rnative dewormers (e.g., botanicals, herbs, cayenne pepper)					
		If Yes, specify:						
	C.	Other (specify:				□₁Yes	□₃ No	
5.	We	ere dewormers administered by the following	g methods during the	e year?				
	a.	Directly into the mouth (e.g., drench, bolus	s, paste)			□₁Yes	□₃No	
	b.	Feed or water additive				□₁Yes	□₃No	
	C.	Mineral additive				□₁Yes	□₃No	
	d.	Pour-on				□₁Yes	□₃No	
	e.	Injectable				□₁Yes	□₃No	
6.		om June 1, 2013, through May 31, 2014, dic lowing activities as part of a parasite control	program?					
	a.	Perform laboratory (fecal) testing for intest	•			□₁Yes	□₃No	
	b.	Rotate dewormer type				□₁Yes	□ ₃ No	
	C.	Give a combination of two or more deworn	ner drugs at once			□₁Yes	□₃No	
	d.	Use a different dose of dewormer in bison recommended for cattle				□₁Yes	□₃No	
	e.	Rotate pastures				□₁Yes	□ ₃ No	
	f.	Reduce stocking density				□₁Yes	□₃No	
	g.	Other (specify:)			□₁Yes	□₃No	
7.	Но	w familiar are you with the following disease	es in bison? [Check	one box per	row.]			
	Dis	ely Vei fami						
	a.	Bovine tuberculosis (TB)	\square_1	\square_2	\square_3		4	
	b.	Brucellosis	\square_1	\square_2	\square_3		4	
	c.	Bovine viral diarrhea (BVD)	\square_1	\square_2	\square_3		4	
	d.	Malignant catarrhal fever.(MCF)	\square_1	\square_2	\square_3		4	
	e.	Clostridial diseases	\square_1	\square_2	\square_3		4	

 \square_1

f. Mycoplasma bovis

 \square_2

 \square_3

 \square_4

8.		om June 1, 2013 through May 31, 2014, did this operation vaccinate any on against the following diseases or pathogens?		
	a.	Anthrax	□₁Yes	□₃No
	b.	Brucellosis	□₁Yes	□₃ No
	c.	Bovine respiratory syncytial virus (BRSV)	□₁Yes	□₃ No
	d.	Bovine viral diarrhea virus (BVDV)	□₁Yes	□₃ No
	e.	Clostridium species (tetanus, blackleg, malignant edema, redwater, enteritis)	□₁Yes	□₃ No
	f.	Haemophilus somnus	□₁Yes	□₃No
	g.	Infectious bovine rhinotracheitis (IBR)	□₁Yes	□₃No
	h.	Leptospirosis	□₁Yes	□₃No
	i.	Mycoplasma bovis	□₁Yes	□₃ No
	j.	Parainfluenza 3 virus (PI3)	□₁Yes	□₃ No
	k.	Pasteurella (shipping fever pneumonia)	□₁Yes	□₃ No
	I.	Rotavirus/coronavirus	□₁Yes	□₃No
	m.	Other disease (specify:)	□₁Yes	□₃ No
9.		om June 1, 2013, through May 31, 2014, did a veterinarian it this operation concerning its bison?	□₁Yes	□₃No
[If	que	stion 9 = No, SKIP to question 11.]		
10.	Did	the veterinarian visit the bison operation for the following reasons?		
	a.	Medical treatment of bison, for illness or injury	□₁Yes	□₃ No
	b.	Consultation, such as nutrition or reproduction advice	□₁Yes	□₃ No
	C.	Vaccination	□₁Yes	□₃No
	d.	Health certificate issuance	□₁Yes	□₃No
	e.	Artificial insemination	□₁Yes	□₃No
	f.	Brucellosis testing	□₁Yes	□₃No
	g.	Tuberculosis testing	□₁Yes	□₃ No
	h.	Other disease testing/sample collection	□₁Yes	□₃No
	i.	Tranquilization/handling	□₁Yes	□₃ No
	j.	Postmortem/necropsy	□₁Yes	□₃ No
	k.	Other (specify:)	□₁Yes	□₃No

11. From June 1, 2013 through May 31, 2014, were the following conditions present (suspected or confirmed) in any bison on this operation; if Yes, how many bison were affected with that condition?

	Condition	Prese (suspected o			affected lead)				
	a. Pneumonia/respiratory	□₁Yes	□₃No						
	b. Abortion/reproductive disorder	□₁Yes	□₃No						
	c. Arthritis/lameness	□₁Yes	□₃No						
	d. Internal parasites	□₁Yes	□₃No						
	e. External parasites	□₁Yes	□₃No						
	f. Off feed/weight Loss	□₁Yes	□₃No						
	g. Diarrhea	□₁Yes	□₃No						
	h. Oral erosions	□₁Yes	□₃No						
	i. Eye lesions	□₁Yes	□₃No						
	j. Toxin exposure	□₁Yes	□₃No						
	k. Other (specify:)	□₁Yes	□ ₃ No						
12	12. Within the past 5 years, did this operation experience one or more periods of abnormally high death loss in its bison herd (e.g., three times the operation's typical death loss or higher)?□₁ Yes □₃ No								
[If	[If question 12 = No, SKIP to question 16.]								
13	13. For the most recent period of abnormally high death loss, were bison that died observed to be reluctant to move, showing signs of arthritis, or emaciated before they died?								
14	For the most recent period of abnormally high de confirmed diagnoses from a veterinarian or diag								
	a. Mycoplasma bovis				□₁Yes	□₃No			

NAHMS Bison 2014 13

b. Malignant catarrhal fever.....

c. Parasitism.....

□₁Yes □₃No

□₁Yes □₃No

15. For the most recent period of abnormally high death loss, did the following conditions occur shortly before or during the period of death loss?

	Condition	Occurred before or during death loss							
	a. Weather extreme (hot/cold)	\square_1 Yes \square_3 No \square_4 Don't know							
	b. High parasite load	□₁Yes □₃No □₄Don't know							
	c. Poor pasture conditions	□₁Yes □₃No □₄Don't know							
	d. Change of pasture	□₁Yes □₃No □₄Don't know							
	e. Mixing of bison groups/introductions of new animals	□₁Yes □₃No □₄Don't know							
	f. Rut/fighting	□₁Yes □₃No □₄Don't know							
	g. Calving	□₁Yes □₃No □₄Don't know							
	h. Weaning	□₁Yes □₃No □₄Don't know							
	i. Handling	□₁Yes □₃No □₄Don't know							
	j. Transportation	□₁Yes □₃No □₄Don't know							
	k. Other (specify:)	□₁Yes □₃No □₄Don't know							
17.	performed on any of this operation's bison?								
18.	18. From June 1, 2013, through May 31, 2014, how did this operation dispose of dead bison? □₁ Incinerated □₂ Onsite burial □₃ Sent to landfill □₄ Rendered □₅ No disposal method (left to nature/scavengers) Section 7. Disease Testing Practices								
_									
1.	Is this operation's bison herd a Tuberculosis (TB) Accre	edited Herd							

[If question 1 = Yes, SKIP to question 3.]

NAHMS Bison 2014 14

or in the process of becoming accredited?.....

□₁Yes □₃No

2.	IS I	this operation's nerd NOT TB Accredited for the following reasons?		
	a.	TB tests not reliable	□₁Yes	□₃No
	b.	Too expensive to test	□₁Yes	□₃No
	C.	Not enough time to test	□₁Yes	□₃No
	d.	Too difficult to handle bison	□₁Yes	□₃No
	e.	Not recommended by veterinarian	□₁Yes	□₃No
	f.	TB is not a concern to my operation	□₁Yes	\square_3 No
	g.	Other? (specify:)	□₁Yes	□₃No
3.	Has	this operation ever had any of its bison tested for TB?	□₁Yes	□₃No
[If	que	stion 3 = No, SKIP to question 7.]		
4.	Wł	nen was the most recent TB test for any of this operation's bison? [Check one only.]		
	\square_1	Less than 1 year ago		
	\square_2	1 to 2 years ago		
	\square_3	2 to 3 years ago		
	\square_4	3 to 5 years ago		
	\square_5	More than 5 years ago		
5.	Du	ring the most recent TB test, did this operation test its: [Check one only.]		
	\square_1	Entire herd?		
	\square_2	Bison less than 1 year old only?		
	\square_3	Bison 1 year and older only?		
	\square_4	Specific bison only? (specify:)		
6.		nen this operation's bison were last tested for TB, are they tested for the following purposes:		
	a.	Herd accreditation?	□₁Yes	□₃No
	b.	Movement requirement?	□₁Yes	□₃No
	C.	Show or exhibition requirement?	□₁Yes	□₃No
	d.	State requirement?	□₁Yes	□₃No
	e.	Veterinarian (nonregulatory, private practitioner) recommendation?	□₁Yes	□₃No
	f.	Sale requirement?	□₁Yes	□₃No
	g.	Other? (specify:)	□₁Yes	□ ₃ No
7.	Has	this operation ever had any of its bison tested for brucellosis?	□₁Yes	□₃No
[If	que	stion 7 = No, SKIP to question 10.]		
_	-	• • • • • • • • • • • • • • • • • • •		

8.							
	a.	Herd certification for brucellosis-free herd		□₁Yes	□₃No		
	b.		□₁Yes	□₃No			
	c.		□₁Yes	□₃No			
	d.	Testing required for sale?				□₁Yes	□₃No
	e.	State requirement?				□₁Yes	□₃No
	f.	Veterinarian (nonregulatory, private practi	itioner) recomm	nendation?		□₁Yes	□₃No
	g.	Other? (specify:)			□₁Yes	□₃No
9. 10.	Is this operation's bison herd a Brucellosis-Free herd, or in the process of becoming a Brucellosis-Free herd?						
			Not	Slightly	Moderately	Very	
		sues and challenges	concerned	concerned	concerned	concern	ed
		Expense of test					_
		Bison injuries or deaths from handling					
	1	c. Reliability of tests, such as false positive test results					
		Amount of time to test					
		Lack of facilities to restrain bison for testing					
11.	or o	he last 5 years, how many of this operation died as a direct result of handling for diseas ter zero if none were injured or died.]		njured			
	a.	Were injured but survived					# head
	b.	Died					# head
		Sec	tion 8. Outre	each			
1.	Do	you belong to the following bison or cattle	associations?				
	a.	National Bison Association				□₁Yes	□₃No
	b.	Regional bison association (specify:)		□₁Yes	□₃No
	C.	State or local bison associations				□₁Yes	□₃No
	d.	Canadian Bison Association				□₁Yes	□₃No
	e.	National Cattlemen's Beef Association				□₁Yes	□₃ No
	f.	Regional, State, or local cattle association				□₁Yes	
	u	Other (specify:					

How important to you are the following bison health information sources? [Check one box permanent]
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Information sources	Not important	Slightly important	Moderately important	Very important
a. Bison association resources/ meetings				
b. Producer gatherings (informal)				
c. Other producers—individually				
d. Internet				
e. Magazines/newsletters				
f. University/extension				
g. Veterinarians				
h. Feed and drug salespeople				
i. Other (specify:)				

Thank you very much for completing the NAHMS Bison 2014 survey!

One last thing: If you are willing to share information about the location of this operation's bison, it would help us learn more about geographical aspects of the bison industry. Please remember that all information is confidential, and data will be presented only on regional and/or national levels.

1. Please provide the location of the majority of bison owned by this operation.

County name	State	Zip code				

2. If this operation also had bison in any other county, please enter those locations.

County name	State	Zip code

SECTION 9 – CONCLUSION

Survey results can be found by accessing http://www.Would you prefer to receive paper reports via the ma										XXXX	₁□ Y €	es	₃□ No	D
					xxxx				xx	xx	MM	DD	Y	Υ
Respondent Name:						one:			D	ate:				
						1			1					
Resnans	P	Resnond	lent	Mode		Enn	Eval	Change			Office II	se for I	מוחי	
1-Comp 2-R 3-Inac 4-Office Hold	9901	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner	9902	1-Mail 2-Tel 3-Face-to-Face 4-CATI	9903	9998	9900	9985	9921	9989				
5-R – Est		9-Oth		5-Web							Opti	onal Us	se	
6-Inac – Est 7-Off Hold –				6-e-mail 7-Fax 8-CAPI						9907	9908			9916
S/E Name														
How many	s repo	ort?					xxx	Minu	tes					

Thank you for your time. Return this questionnaire in the enclosed envelope.

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