Penn State Develops Biosecurity Evaluation, Action Plan

Extension veterinarians David R. Griswold and David R. Wolfgang, Penn State University, have developed a biosecurity plan for herd health. This plan could be useful to not only determine but also evaluate your own biosecurity risks. For more information contact a Penn State extension agent in your area.

Owne	eral Herd Informatio		curity Evaluation	.1				Johne ^s	s Disease:	High Ris	k Factors		
			Phone:	·			Calving in		ring cows have irty udders	Calves nu		ding of pooled	Contact with
Addr	ress:		Fax:			Pre-weaned	Or other of			Caives nu	rse cows con	Strum or mak	animals
			E-mail:		····	Calves				1			
	nty:		D.			Weaned calves				ļ			
veter	rinarian:	· 				Heifers under 1 yr.							
Nutri	· itɪonist (Co.):			:			Feed or w		ws and heifers are pastures	Manure s		Manure ntammation of	Purchase of untested
Nutritionist (Co.): Phone: Co. Agent & Other consultants: Phone:					Weaned calve	1	addits	are pastures	graz		eed or water	replacements	
										ļ <u>-</u> -			
Type	of operation	No. of adu	lt anımals	No. of youngs	tock	Heifers 8 mo - 18 mo							
Farm	n history of infectious dis	sease:	· · · · · · · · · · · · · · · · · · ·			Bred Heifers							
Imm	unization practices					Adult cattle							
		Weaned to Breeding age	Bred heifers to Pre-fresh	Dry cows	Lactating Animals	-		Salı	nonella: H	igh Risk	Factors		
					1		Cows calving in pens with other have dirty			es nurse	Feeding of unpasturized	"dirty" stock	Contact with
 							or sick cows	udde		OW3	milk or colostrum	vehicles/used on other farms	aduit illandre
Vaccine used When given						Pre-weaned calves							
Vaccii						Weaned calves							
			<u>. l</u>	·		Heifers 8							
						mo-18 mo Bred heifers							
Proto	ocol for Colostrum mana	gement:								1			
Proto De	col for feeding pre-wean escribe (rate, frequency,		l milk Y /N) (milk replac				Feed or water shared with	Cows :	hare pe		Cow manure can contaminate	antestea	Monitoring tests of animals with
						Weaned	aduits	pastu		manure	feed or water	replacements	possible exposure
Does	this farm buy or sell live				•	calves Heifers 8		<u> </u>					
	Ave. # of animals	Years in	the last 5 animals were p	purchased		mo-18 mo							
	Prepurchase testing (a	ge group and tests	3)	· · · · · · · · · · · · · · · · · · ·		Bred heifers							
	How are animals delive	ered?		Quarantined Y	or N if Y	Adults- lactating	•		* ch	*		· ·	Aread rome
	Where quarantined?_	н	low long?	Monitoring	tests	Dry cows							
How	are cull and market ani	mals removed?				·							
								_					
					BVD: High Risk Factors								
			rity Area Evaluation ical, or chemical risk factors				Improper of	n unter	ted h	y" Stock - lauling between licles/other youngstock and		contamination	aborted fetus
							program	reniace		cles/other tock areas	pregnant anima	of feed or	
	Management Area						ļ					is water	or placentas
	Control Point	Exceller	Group	1		Caives							or placentas
	Clean and dry-Hide and use Ave. BCS correct for stage		Rank 5 to 1	R	Group	Heifers							or placentas
Anmals	Animal density		Rank 5 to 1 pour	Execulent Rs	Group								or placentas
	Separated by groups			R	ank 5 to 1	Heifers							or placentas
Y	Separated by groups Imports and sick segregate Vaccination program in pla	d		R	ank 5 to 1	Heifers Bred heifers							or placentas
	Separated by groups Imports and sick segregate Vaccination program in pla Proper vaccine protocols Rodents/birds	d ace		R	ank 5 to 1	Heifers Bred heifers Adults							or placentas
Other Ar	Separated by groups Imports and sick segregate Vaccination program in pla Proper vaccine protocols	d ace		R	ank 5 to 1	Heifers Bred heifers Adults			BLV: High	Risk Fac		is water	
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Other	Separated by groups Imports and sick segregate Vaccination program in pix Proper vaccine protocols Rodents/birds Pets/low number/appar health/range Other Livestock species Frequent removal Minimal runoff Minimal buildup on divide	d ace		R	ank 5 to 1	Heifers Bred heifers Adults	1	Separate	Use of common needles, rectal sleeves, surgica l or gouge	Feeding	of Feedi m unpastu sted pooled	is water mg Purchase untested	of No
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Water Feed Manure Other	Separated by groups Imports and sick segregate Vaccination program in pix Proper vaccine protocols Rodents/birds Pets/low number/appar health/range Other Livestock species Frequent removal Minimal buildup on divide Minimal buildup in stalls Movement contained Quality forages Fresh feed provided at leas No manure contamination Feeding of refusals Same equipment used to fee and clean manure Cleaned between uses Quality/tested/seasonality Quantity/adequacy in weat extremes Waterers cleaned frequentl No manure contamination Types of stalls Adequate space-at feed & Clean and well lit Temperature/humidity/air quality Clean Disinfected: Feces/blood/sal Good repair/minimal crack Allowed to dry between use Stored in a protected area	d ace rent rs t daily ed her ly water		R	ank 5 to 1	Heifers Bred heifers Adults Dry cows Calves Heifers Adults Dry cows Pre-weaned calves Weaned	Animals in we	Separate housing	Use of common needles, rectal sleeves, surgica lor going deharmers BRD: High Direction thated by	Feeding colostru from unter dams	of Feeding unpastupoled ors Lack or adequate vaccination	mg Purchase rized untested replaceme	Potential exposure to off farm sources
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