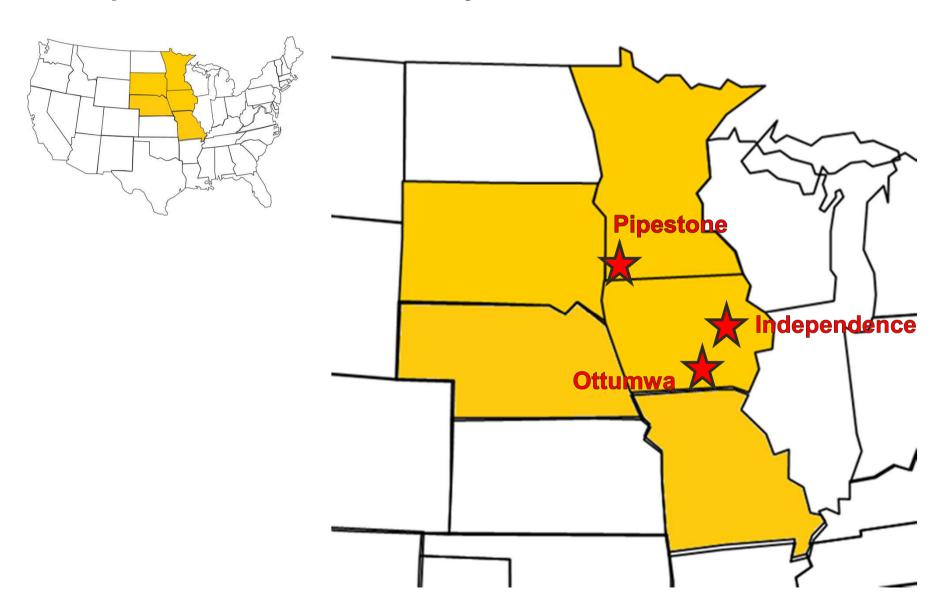


October 3, 2014

Barry R. Kerkaert, DVM
Pipestone Minnesota, United States of America



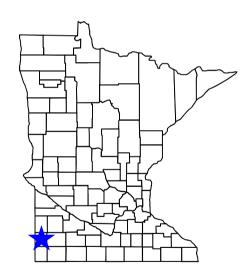
Pipestone Veterinary Services: Locations



- Established 1942
- 3 Locations
 - Pipestone, MN
 - Independence, IA
 - Ottumwa, IA
- 30 Veterinarians:
 - 15 100% swine practice
 - 3 recognized as Swine Practitioner of the Year by American Association of Swine Veterinarians
 - 2 recognized as Science in Practice Award winners
 - 1 recognized with 40 under 40 award in Agriculture
- \$40+ million in product sales in 2013
- Recognized innovative industry leader in research related to genetics and animal health products (Pipestone Applied Research Initiative)
- Industry leader in bio-security protocols and testing
- Serve on national health committees for American Association of Swine Veterinarians (AASV), National Pork Board (NPB) and National Pork Producers Council (NPPC)
- Have consulted or lectured in every major swine production area in the world



VETERINARY SERVICES



Executive Team



✓ **Dr. Gordon Spronk (Chairman of BOD, Pipestone)** is a native of the Pipestone, MN area. After completing his education at the University of Minnesota College of Veterinary Medicine in 1981, he returned to Pipestone to practice at the Pipestone Veterinary Clinic. Dr. Spronk is the co-founder of the "Pipestone System" and numerous affiliated companies under Pipestone Holdings. Dr. Spronk is the recipient of the 2000 AASV Swine Practitioner of the Year Award and the 2011 Leman Science in Practice Award. Dr. Spronk and his wife, Deb, live near Pipestone and have three children, Courtney, J.J., and Morgan. In his free time, Dr. Spronk enjoys traveling and spending time with his family.



✓ **Dr. Luke Minion (CEO, Pipestone)** grew up in southwestern Minnesota and began his career with the Pipestone Veterinary Clinic in 2000 after graduating from the University of Minnesota College of Veterinary Medicine. Dr. Minion serves as the CEO of Pipestone Holdings, LLC and oversees the operations of the clinics management and livestock marketing companies. Dr. Minion and his wife, Betsy, enjoy golfing and keeping up with their son, Landon and twin daughters Claire and Lauren. Dr. Minion was honored in 2013 with the 40 under 40 award in Agriculture by Vance Publishing.



✓ **Dr. Barry Kerkaert (Vice President, Pipestone)** grew up in southwest Minnesota and began his career with the Pipestone Veterinary Clinic in 1994 after graduation from the University of Minnesota College of Veterinary Medicine. Dr. Kerkaert serves as Vice President of Pipestone management and veterinary operations and leads the System Grow Finish team. Dr. Kerkaert and his wife Karen live near Pipestone, Minnesota with their three children and enjoy 4-H activities including showing sheep and swine in local and national competitions. Dr. Kerkaert was honored in 2013 with the Swine Practitioner of the Year award from the American Association of Swine Veterinarians. Barry enjoys spending his free time hunting and fishing with his friends and family.



✓ **Brian Stevens (CEO, Big STONE)** grew up on a diversified livestock farm in Eastern Nebraska, attended the University of Nebraska where he received his Bachelor's degree in Animal Science. After graduation he began what would become a 19 year career with Hormel Foods. His last 7 years there he was Director of Hog Procurement and oversaw all activities related to hog buying and carcass evaluation. Brian is President of Big Stone Marketing which was established to help independent producers with negotiating packer contracts, open market sales, benchmarking among other producers, risk management through forward contracting, process verification programs and overall marketing performance and opportunities.

Vision & Values

Helping farmers today create the farms of tomorrow

Integrity

Caring

Commitment

Growth

Teamwork



Current Business Operations

- Pipestone Veterinary Services
- Pipestone System
- Pipestone International Management
- Big Stone Marketing

PIPESTONE®







- Established 1990
- 850+ employees
- Manage ~170,000 sows
 - 50+ separate sow farms in Minnesota, Iowa, South Dakota and Nebraska
 - 27 PSY (sow yield)
 - 14.5 Total Born per Sow
- 6th largest Hog producer in US based upon number of sows
- Manage ~500,000 finishing pigs annually
- Information and record keeping systems that allow management to track progress as well as to respond to challenges real time



SYSTEM

Top 25 U.S. Pork Powerhouses® 2013 A Successful Farming Exclusive Report

2013 Ranking	Company/Headquarters	# of Sows In 2013	# of Sows In 2012
1	Smithfield Foods/Shuanghui International/Smithfield, VA (Also 99,000 sows in Mexico, 81,000 in Poland, and 48,000 in Romania. Worldwide total: 1,096,000 sows.)	868,000	862,000
2	Triumph Foods/St. Joseph, MO (Includes Christensen Farms: 156,500 sows, Hanor: 82,500, Allied Producers' Cooperative: 60,500, New Fashion Pork: 52,000, and Eichelberger Farms: 30,000 sows.)	381,500	378,500
3	Seaboard Foods/Shawnee Mission, KS	217,000	217,000
4	The Maschhoffs/Carlyle, IL	208,000	196,000
5	Prestage Farms/Clinton, NC	170,000	165,000
6	Palle IA	160,000	160,000
6	Pipestone System/Pipestone, MN	160,000	145,000
8	Cargill/Minneapolis, MN	155,000	136,000
9	Carthage System/Carthage, IL	104,500	103,500
10	AVMC Management Services/Audubon, IA	100,000	82,000
11	Maxwell Foods/Goldsboro, NC (Now includes Indiana operation.)	90,000	69,000
12	Tyson Foods/Springdale, AR	60,000	52,000
13	Hormel Foods/Austin, MN	54,000	54,000
13	TriOak Foods/Oakville, IA (Bought sows from AgFeed.)	54,000	35,000
15	Pillen Family Farms/Columbus, NE	52,500	50,000
16	Hatfield Quality Meats/Hatfield, PA	51,500	49,900
17	Holden Farms/Northfield, MN	48,000	48,000
18	Wakefield Pork/Gaylord, MN	45,300	42,900

Key Areas for Monitoring Farm Health

- Growing Pig
- The Sow Farm
- Boar Stud
- Across the Pipestone System
- Across the Industry



Mortality By Calendar Week

Producer: Spronk Brothers

Site: All Sites Start Year/Week: 2014/34 End Year/Week: 2014/37



Total Dead For Period:	440	95	125	109	111
% Dead For Period:	0.40%	0.09%	0.11%	0.10%	0.10%
% of Total Dead For Period:	100.00%	21.59%	28.41%	24.77%	25.23%

2014

Q3

2014

Q3

2014

Q3

2014

Q3

Production Year:

Production Quarter

											08/17/2014	08/24/2014		09/07/2014
											08/23/2014	08/30/2014	09/06/2014	09/13/2014
Producer	Site	Group	Group	ln	Current	Grp Start	Week	# Dead	Mort %	# Dead for				
			Type/Stage		Group	Date	on	to Date	to Date	Report				
					Inventory		Feed			Period	34	35	36	37
Spronk Brothers	Leon Kracht	SB1405FRT	Wean to Finish	2,703	28	02/17/2014	31	60	2.22%	2	2			
Spronk Brothers	Hubbling WF	SB1405SHW	Wean to Finish	2,576	167	02/17/2014	31	163	6.33%	9	1	6	2	
Spronk Brothers	Burkhardt	SB1406BHT	Wean to Finish	2,185	210	02/24/2014	30	72	3.30%	1	1			
Spronk Brothers	Faber	SB1406FAB	Wean to Finish	5,211	640	02/28/2014	29	197	3.78%	21	5	9	6	1
Spronk Brothers	Dunn-SB	SB1407DUN	Wean to Finish	5,310	970	03/07/2014	28	153	2.88%	38	12	8	11	7
Spronk Brothers	Leon Kracht	SB1409HOM	Wean to Finish	2,744	1,302	03/17/2014	27	71	2.59%	17	7	4	3	3
Spronk Brothers	Iso Site	SB1410ISO	Wean to Finish	2,677	1,898	03/24/2014	26	94	3.51%	24	6	8	5	5
Spronk Brothers	Sundal	SB1410SUN	Wean to Finish	2,646	1,692	03/28/2014	25	99	3.74%	17	4	4	2	7
Spronk Brothers	Hiawatha West N	SB1411HWN	Wean to Finish	2,544	1,735	03/31/2014	25	70	2.75%	11	2	2	2	5
Spronk Brothers	PVL	SB1413PVL	Wean to Finish	4,947	4,844	04/18/2014	22	103	2.08%	41	9	8	12	12
Spronk Brothers	Fruechte	SB1414FRT	Wean to Finish	2,717	2,655	04/23/2014	21	62	2.28%	10		5	3	2
Spronk Brothers	Crawford	SB1415CRF	Wean to Finish	2,553	2,509	05/02/2014	20	44	1.72%	15	4	1	5	5
Spronk Brothers	Titan	SB1416TTN	Wean to Finish	5,076	5,006	05/07/2014	19	70	1.38%	22	5	4	9	4
Spronk Brothers	Home Site	SB1417HOM	Wean to Finish	2,717	2,663	05/16/2014	18	54	1.99%	8	3		2	3
Spronk Brothers	Iso Site	SB1418ISO	Wean to Finish	2,472	2,418	05/21/2014	17	54	2.18%	12	1	5	3	3
Spronk Brothers	Burkhardt	SB1419BHC	Wean to Finish	2,104	2,082	05/29/2014	16	22	1.05%	6	1	1	1	3
Spronk Brothers	Hiawatha West N	SB1419HWN	Wean to Finish	4,428	4,387	05/27/2014	17	41	0.93%	12	4	5	2	1
Spronk Brothers	Arends	SB1420ARD	Wean to Finish	5,209	5,128	06/04/2014	15	81	1.56%	21	3	7	2	9
Spronk Brothers	CalSota RB2	SB1421RB2	Wean to Finish	4,464	1,905	06/13/2014	14	65	1.46%	13	3	2	3	5
Spronk Brothers	Arnies	SB1422ARN	Wean to Finish	2,918	2,885	06/18/2014	13	33	1.13%	23	4	7	6	6
Spronk Brothers	Fruechte	SB1423FRT	Wean to Finish	2,559	2,532	06/25/2014	12	27	1.06%	15	8	1	3	3
Spronk Brothers	Vander Pol	SB1424MVP	Wean to Finish	2,482	2,453	06/30/2014	12	29	1.17%	12	2	3	7	
Spronk Brothers	Home Site	SB1425HOM	Wean to Finish	2,025	2,013	07/07/2014	11	12	0.59%	7		4	1	2
Spronk Brothers	Iso Site	SB1425ISO	Wean to Finish	2,067	2,041	07/07/2014	11	26	1.26%	9		6	1	2
Spronk Brothers	Bearcat	SB1426BCT	Wean to Finish	5,226	5,186	07/11/2014	10	40	0.77%	24	3	10	3	8
Spronk Brothers	AHenning	SB1427HEN	Wean to Finish	5,080	5,051	07/21/2014	9	29	0.57%	13	2	3	3	5
Spronk Brothers	Hiawatha West N	SB1427HWN	Wean to Finish	2,594	2,589	07/25/2014	8	5	0.19%	4		1	1	2
Spronk Brothers	Baker	SB1428BKR	Wean to Finish	5,139	5,120	07/30/2014	7	19	0.37%	14	3	7	4	
Spronk Brothers	Fruechte	SB1430FRT	Wean to Finish	2,506	2,500	08/11/2014	6	6	0.24%	6		3	2	1
Spronk Brothers	Hubbling WF	SB1430SHW	Wean to Finish	2,542	2,542	08/15/2014	5		0.00%	0				
Spronk Brothers	Home Site	SB1431HOM	Wean to Finish	2,781	2,779	08/22/2014	4	2	0.07%	2			1	1
Spronk Brothers	Iso Site	SB1431ISO	Wean to Finish	2,540	2,533	08/20/2014	4	7	0.28%	7		1	3	3
Spronk Brothers	Burkhardt	SB1433BHT	Wean to Finish	2,080	2,077	09/02/2014	3	3	0.14%	3			1	2
Spronk Brothers	Faber	SB1433FAB	Wean to Finish	3,370	3,369	09/05/2014	2	1	0.03%	1				1

Total 87,909

Monitoring weekly health at the flow level

Mortality By Calendar Week							
System Grow Finish							
Start Year/Week:	2014/34						
End Year/Week:	2014/37						
	Total	Dead For Period:	1.652				
	Total	Dodd i oi i ciiod.	Production Year:	2014	2014	2014	2014
		Pre	oduction Quarter:	Q3	Q3	Q3	Q3
			Week 36:	08/17/2014	08/24/2014	08/31/2014	09/07/2014
				08/23/2014	08/30/2014	09/06/2014	09/13/2014
Producer	Total		# Dead for				
	Inventory	Wean to Finish	Report Period				
		Mortality Trend		34	35	36	37
Black Oak	22,927	5.99%	239	64	58	75	20
Classic	4,499	5.24%	41	11	6	8	6
David Reuter	2,172	2.38%	9	4	1	1	1
Dean Vroman	3,709	5.12%	33	12	7	8	10
Eastview	6,484	4.79%	54	13	24	10	18
Jim Veldkamp (Waxdahl)	2,570	0.67%	3			3	26
Lance Knobloch	4,504	1.15%	9	2	2	3	10
LED Pencelin	6,844	3.78%	45	9	9	18	12
Mike and Cyndy Baustian	4,427	4.03%	31	7	11	6	3
P&P Pork	12,903	4.59%	103	20	34	42	29
Pig Hill	12,001	10.83%	226	54	55	26	36
Pig Hill Sow Farm	10,551	2.67%	49	12	7	16	19
Pig Hill/Pro Ag	4,711	1.95%	16	4	3	5	3
Pipestone Applied Research	8,706	2.51%	38	7	7	17	18
Prairie Gold Farms-MN	4,458	1.81%	14	6	4	2	2
Prairie View LLC	24,478	5.07%	216	55	42	52	36
Ryan Weinkauf	2,616	0.88%	4	0	0	2	4
S&D Livestock	6,806	3.21%	38	4	9	17	13
Spronk Brothers	87,853	2.91%	444	95	125	109	111
The Pork Group	727	31.64%	40	12	7	5	4
Total Inventory	233,946						
% Mortality	4.06%						

Monitoring at the Barn Level: Sow Farm

- Growing pig down stream from sow farm
- Sow farm weekly performance analysis
- Disease testing
- Bio-Security
- Animal welfare
- New animal introduction



Monitoring weekly health at sow farm level

Mortality By Calendar Week

Pig Flow: Windy Plains

Start Year/Week: 2014/35 End Year/Week: 2014/38

Total Dead For Period:	136	39	38	25	34
% Dead For Period:	0.28%	0.08%	0.08%	0.05%	0.07%
% of Total Dead For Period:	100.00%	28.68%	27.94%	18.38%	25.00%

Q3

Production Quarter

										m addition		40	ajo .	QQ U	a c
												08/24/2014	08/31/2014	09/07/2014	09/14/2014
												08/30/2014	09/06/2014	09/13/2014	09/20/2014
Producer	Site	Group	Group	Started	Current	Grp Start	Grp End	Week on	# Dead	Mort % to	# Dead				
			Type/Stage		Group	Date	Date	Feed	to Date	Date	for				
					Inventory						Report				
											Period	35	36	37	38
GMC Marti Knoblock	Finisher Allison Section		Wean to Finish	2,626	1,701	04/04/2014		25	84	3.20%	16	8	3	1	4
		1420WP3WGMC	Wean to Finish	2,951	2,904	05/16/2014		19	47	1.59%	13	3	10		
GMC Marti Knoblock			Nursery	2,881	2,859	07/03/2014		12	22	0.76%	4	0	1	3	0
				1,014	1,007	06/30/2014		13	7	0.69%	3	1	1	1	0
GMC Marti Knoblock		1435WP3WGMC	Wean to Finish	2,102	2,100	08/26/2014		5	2	0.10%	2	0	0	2	0
Greg Boerboom		1412WP3WGB	Wean to Finish	2,589	2,576	03/19/2014		27	13	0.50%	0				
Greg Boerboom	Boerboom Kerkaert	1419WP3WGB	Wean to Finish	2,595	2,567	05/06/2014		21	28	1.08%	0				
Greg Boerboom		1425WP3WGB	Wean to Finish	2,602	2,586	06/19/2014		14	16	0.61%	0				
		1432WP3WGB	Wean to Finish	2,601	2,574	08/04/2014		8	27	1.04%	18	6	7	4	1
Mill Farms	DD Nursery to DD N Fir		Wean to Finish	2,199	2,162	04/11/2014		24	37	1.68%	8	1	1	5	1
Mill Farms		1422WP3WMF-DD-k	Wean to Finish	2,198	2,187	05/26/2014		18	11	0.50%	0				
Mill Farms	DD Nursery to DD N Fir		Wean to Finish	2,201	2,188	07/14/2014		11	13	0.59%	4		2		2
Mill Farms		1436WP3WMF	Wean to Finish	2,187	2,185	09/03/2014		3	2	0.09%	1		0	0	1
Pig Hill/Pro Ag	Flier Fin/ Griesse Fin	1417WPVR	Wean to Finish	2,400	2,353	04/25/2014		22	47	1.96%	14	1	4	2	7
Pig Hill/Pro Ag	Flier Finisher	1417WPVR- Flier FT	Finishing	2,093	2,056	06/05/2014		16	37	1.77%	14	1	4	2	7
Pig Hill/Pro Ag	Griesse Finisher	1417WPVR- Griesse	Finishing	300	297	06/05/2014		16	3	1.00%	0	0	0	0	0
Pig Hill/Pro Ag	VanRoekel Fin/Monen F	1424WPVR	Wean to Finish	2,373	2,348	06/10/2014		16	25	1.05%	7	2	1	1	3
Pig Hill/Pro Ag	Monen Finisher	1424WPVR- Monen	Finishing	280	277	07/18/2014		10	3	1.07%	2	1	0	0	1
Pig Hill/Pro Ag		1424WPVR- VanRoe	Finishing	2,085	2,071	07/18/2014		10	14	0.67%	5	1	1	1	2
West Side Pork	Logan Point	1410WP3WSP-4	Wean to Finish	1,247	0	03/05/2014	08/29/2014	26	47	3.77%	0				
West Side Pork	Hoogendoorn	1411WP3WSP-5	Wean to Finish	2,401	0	03/10/2014	09/13/2014	27	73	3.04%	6	3	2	1	
West Side Pork	Rich	1423WP3WSP-6	Wean to Finish	1,152	1,139	06/02/2014		17	13	1.13%	4			1	3
West Side Pork	Logan Point	1430WP3WSP-1	Wean to Finish	1,255	1,250	07/21/2014		10	5	0.40%	5	1	1	1	2
West Side Pork	Hoogendoorn	1430WP3WSP-2	Wean to Finish	2,324	2,296	07/24/2014		9	28	1.20%	10	10	0	0	0



Performance Analysis

Pipestone System

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Breakdown:Periods, Databases: Alliance

95.5 58.9 18.2 14.0 94.6 96.0 142.2 20.0 12.5 2.5 5723.0 63.0 0.5 86.2 5.2 3.5 15.1 4.5 2.9 2816 32839 2632 12.47 10.7 5689 692 647 33 42 2.51 2661 26.5 14.0 20.5 12.9 15672 15678 88.1 15.0 4.1 95.7 96.1 141.6 12.65 5.1 19.1 278 10.3 42 51.87 3 83.0 95.6 94.3 95.2 15665 0.0 14.0 4.3 141.6 2.50 13.0 5714.9 72.1 15671 5.1 5.1 12.91 8.9 2.5 300 3494 281 21.4 8 245 3.5 84.2 14.0 5.1 3.3 93.5 94.6 53.6 80.8 15658 15664 18.8 15.3 142.3 205 21.2 12.9 95.1 186 2.5 29 88 0.4 5.4 2.51 14.4 5740.1 50.6 3.6 94.4 15.2 93.8 94.9 142.2 20.2 12.8 15657 0.8 87.1 5.5 4.0 326 3809 12.44 9.5 5770.9 15651 14.1 309 64.01 28 33 4.1 15650 9.98 96.0 19.4 92.8 142.3 20.0 10.9 62.6 5.2 14.1 94.1 12.44 12.4 39.75 15644 15.1 5749.4 231 69 63.9 15643 97.6 99.5 15.0 13.9 4.7 97.2 11.9 11.9 84.9 15637 4.3 140.7 12.20 19.4 251 2904 236 62.59 5721 5711.1 8 40 0.7 94.1 2.52 92.7 5.0 95.8 23.3 15.0 13.8 5.5 2.3 97.2 10.9 38.3 15630 15636 9.0 93.2 143.4 331 3909 312 12.44 18.7 11.7 5720.7 2.51 42 8 675629 79.4 5.8 15623 94.7 13.9 95.5 95.8 19.5 10.2 5731.7 142.4 12.42 12.3 69.1 5.1 3.2 308 66.64 62 40 2.51 3010 77.0 14.5 15622 94.6 15.3 96.5 90.3 0.0 5.0 3.8 14.0 3.3 95.2 141.7 2.53 218 2523 12.43 10.4 5.1 202 74.06 2.6 8 9 19.1 12.1 5714.4 15609 15615 85.9 94.8 14.9 13.9 3.7 97.7 98.5 143.4 2.52 3506 12.49 20.3 12.8 10.6 52.25 5678.9 69.8 0.7 10.7 2.7 26 40 Preweaning mortality rate (period) Percent of served bred by 7 days FARROWING PERFORMANCE .ifetime Weaned Pigs(Removed Females weaned or nursed off WEANING PERFORMANCE Ending total female inventory Weaning-1st service interval Weaned/Mated Female/Year SERVICE PERFORMANCE Litters / mated female / year Entry to 1st service interval Avg total female inventory Percent multiple matings Pigs weaned per female Percent repeat services Adjusted farrowing rate Avg weight/weaned pig Pigs weaned in period Average weaning age Ending male inventory Total born per farrow Liveborn per farrow Avg parity farrowed Farrowing interval Replacement rate Females entered Females culled Female deaths Farrowing rate Litters weaned Average parity POPULATION **Fotal services** % Mummies Culling rate Farrowings % Stillborn Death rate Abortions



Performance Analysis

Pipestone System

Bosowned 'Salt Binor' Schmitt Schelek 'Silver Ton' Skyline 'Sloomy Hollow' Stormy Hollow' 'Tan Brook 3'

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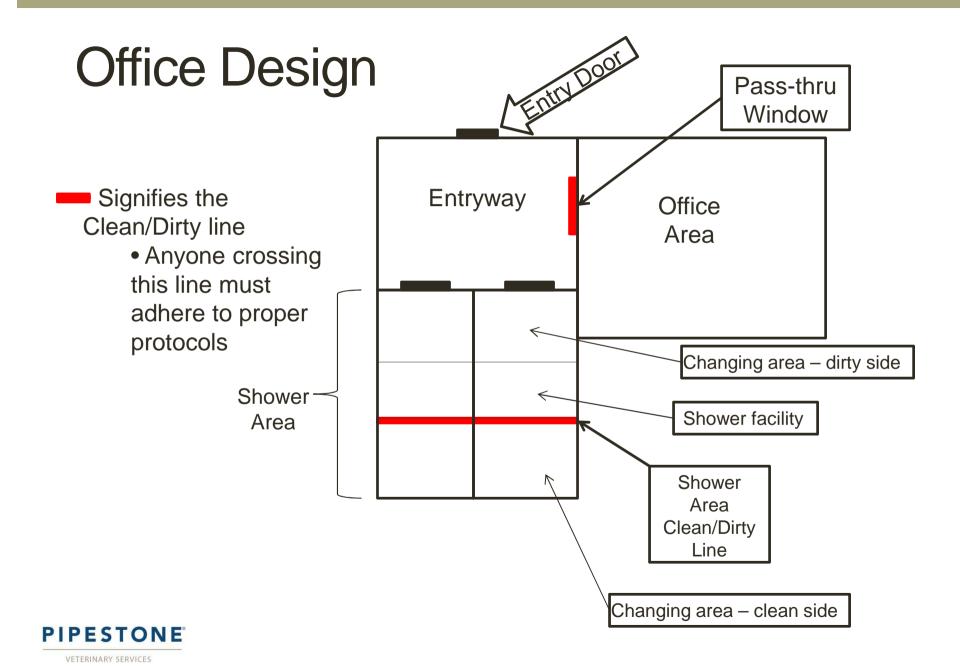
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Rosewood 'Salt River' Schmitz Shetek 'Silver Top' Skyline 'Sleepy Hollow' 'Stormy Hollow' 'Ten Brook 3' 'Twin Rock' 'Wansi Eight Whitehail Run' 'Windy Plains'	ver' Schmitz Sl i Pig' "Whitetail	: Shetek 'Silver Top' Sk eil Run' 'Windy Plains'	Top' Skyline Plains'	'Sleepy Holk	ow' 'Stormy H	lollow' Ten B	srook 3'				
	15609	156 6	15623	15630	15637	15644	15651	15658	15665	15672	
<i>J</i>	15615	15622	15629	15636	15643	15650	15657	15664	15671	15678	ACUM
SERVICE PERFORMANCE											
Total services	8278	8414	8191	8517	8504	8196	8370	8579	8391	8144	83584
Percent repeat services	3.5	3.9	4.2	3.8	3.8	3.9	4.2	4.9	4.8	3.7	4.1
Percent multiple matings	94.2	94.0	94.5	93.5	94.7	95.0	94.6	92.6	94.8	94.0	94.5
Weaning-1st service interval	6.5	6.5	6.5	6.5	6.4	0.9	6.2	6.1	5.8	6.1	6.3
Percent of served bred by 7 days	88.3	88.9	88.8	88.9	89.4	90.5	90.6	6.06	97.6	91.2	0.06
Entry to 1st service interval	15.9	17.0	16.2	14.7	14.3	12.8	15.2	15.1	12.6	14.3	14.8
FARROWING PERFORMANCE											
Farrowings	1900	7501	7494	7889	7459	9992	7538	7491	7926	7283	76147
Avg parity farrowed	3.6	3.5	3.6	3.6	3.6	3.5	3.6	3.7	3.6	3.6	3.6
Total born per farrow	14.5	14.4	14.4	14.4	14.5	14.3	14.4	14.3	14.4	14.4	14.4
Liveborn per farrow	13.1	13.1	13.0	12.9	12.9	12.9	13.0	12.9	12.9	13.0	13.0
% Stillborn	6.7	6.5	9.9	6.9	7.3	6.5	6.3	0.9	6.5	6.7	9.9
% Mummies	3.1	3.0	3.2	3.2	3.8	3.7	3.5	3.8	3.6	3.7	3.5
Farrowing rate	9.06	9.06	2.06	91.2	90.2	91.7	91.0	91.2	8.06	7.06	6.06
Adjusted farrowing rate	93.5	93.7	93.4	94.1	93.1	93.9	93.4	93.2	93.7	93.0	93.5
Farrowing interval	145.0	144.4	143.4	143.4	143.2	142.9	143.1	142.8	142.8	142.8	143.4
Abortions	98	9/	115	121	112	70	11	107	87	88	940
Litters / mated female / year	2.48	2.48	2.49	2.48	2.49	2.49	2.50	2.51	2.51	2.53	2.50
WEANING PERFORMANCE											
Litters weaned	7325	7407	7922	7743	7516	7728	7756	7646	7671	7741	76455
Pigs weaned in period	81924	82304	88846	87288	83781	86184	86933	84228	84781	87501	853770
Females weaned or nursed off	7290	7279	7814	7695	7487	7710	9697	7532	7620	7640	75763
Pigs weaned per female	11.28	11.21	11.32	11.40	11.23	11.14	11.34	11.13	11.20	11.43	11.27
Average weaning age	19.6	19.5	19.6	19.6	19.7	19.6	19.7	19.8	19.7	19.6	19.6
Avg weight/weaned pig	13.0	13.1	13.2	13.1	13.2	13.2	13.3	13.2	13.1	13.0	13.2
Preweaning mortality rate (period)	13.7	14.0	12.9	12.5	13.9	14.0	12.7	13.5	13.2	12.4	13.3
Weaned/Mated Female/Year	28.00	27.81	28.16	28.32	27.93	27.70	28.32	27.91	28.16	28.93	28.13
Lifetime Weaned Pigs(Removed	49.40	47.89	44.68	46.90	47.61	46.79	48.84	46.83	46.69	96.03	47.66
FOFOLATION	165004	465000	164000	164004	464770	46467E	164043	464500	46AE3A	164560	164560
Ending total female inventory	100001	250001	104092	104901	04//0	670401	0.0	104209	104334	104300	00000
Average parity	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
Avg total female inventory	164712.6	164865.0	164982.9	164837.9	164823.1	164740.0	164863.7	164710.7	164584.1	164517.0	164763.7
Females entered	1906	1511	1371	1499	1592	1333	1751	1421	1623	1702	15709
Females culled	1193	1270	1223	1225	1440	1183	1265	1572	1432	1416	13219
Female deaths	255	208	289	265	286	230	219	208	245	247	2452
Ending male inventory	1018	1006	992	1001	883	1016	966	816	973	970	970
Replacement rate	60.3	47.8	43.3	47.4	50.4	42.2	55.4	45.0	51.4	53.9	49.7
Culling rate	37.8	40.2	38.7	38.8	45.6	37.4	40.0	49.8	45.4	44.9	41.8
Death rate	8.1	9.9	9.1	8.4	0.6	7.3	6.9	9.9	7.8	7.8	7.8
Avg NPD / female / year	39.0	39.5	38.1	38.4	37.6	37.1	36.9	35.8	34.8	33.4	37.0

Rope testing piglets at the sow farm

Alliance Family Farms

PEDV							
	3/14/2014	4	4	0	0%	Saliva	
PRRS							
	2/7/2014	4	4	0	0%	Saliva	
	3/14/2014	4	4	0	0%	Saliva	
	4/15/2014	4	4	0	0%	Saliva	
	5/1/2014	4	4	0	0%	Saliva	
	6/10/2014	4	4	0	0%	Saliva	
	8/11/2014	4	4	0	0%	Saliva	
	9/10/2014	4	4	0	0%	Saliva	
SIV							
	2/7/2014	4	4	4	100%	Saliva	
	3/14/2014	4	4	4	100%	Saliva	
	4/15/2014	4	4	4	100%	Saliva	H1N1
	5/1/2014	4	4	4	100%	Saliva	H1N1
	6/10/2014	4	4	4	100%	Saliva	
	8/11/2014	4	4	4	100%	Saliva	
	9/10/2014	4	4	0	0%	Saliva	
TGE							
	3/14/2014	4	4	0	0%	Saliva	



Bio-Security - Filtering







Mandatory biosecurity protocol training and testing for all farm staff



October 2014 Biosecurity Quiz

Name	Barn	Date
1. What is the maximum time iten	ns may be left in	the D/D room after disinfecting?
36 hours		

- 2. According to the bagged feed D/D protocol how long should feed be held in the D/D room?

 24 hours
- 3. What is the Semen Delivery Protocol?

 Driver wear disposable foot wear, remove double bagged, placed directly in fridge, lock door, dipose of foot wear, driver will call farm
- **4. Feed spills totaling 30 lbs or less should be brought into the farm and fed to the animals? True or False?**False Feed spills totaling 30 lbs or less should be placed in the garbage dumpster.
- 5. When moving sows of gilts, a person should never move more than how many gilts or sows at a time?

 5 at a time with a sort board
- **6. When should hearing protection be worn?**Pressure washing, walking boar, dropping feed, blowing feed, giving shots, stun gun, generator, drawing blood
- 7. Pit Pumpers are not required to sign the outside contractor agreement at the barn. True or False?

 False
- 8. An Employee who is dressed in whites is taking out the garbage through the mortality removal area and accidentally steps outside. What process should be followed after the breech has taken place?

 Sign breech long, D/D in white boots again, throw away white coveralls and gloves and shower in again
- 9. When washing the load out, how many times should you use synergize?

 Twice, once before you power wash, and once after you power wash.
- 10. List 4 of the items that the biosecurity team looks for in the farm entryway during an audit?

 Dirt floor, shoes in correct place, sign in book being used, outsiders swabbing in, window,

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ONE.

Site Exterior Checklist Vehicles parked in appropriate location All doors to farm are locked Site is mowed properly Rodent bait boxes properly placed Site is mowed properly Rodent bait boxes properly placed Site is mowed properly Rodent bait boxes serviced within last 30 days No feed spills - all bin pads are clean All trash and debris are picked up Garbage dumpster is placed away from barn Compost Shed is properly maintained Barn contact numbers posted on outside door Fentyway and Shower Area Checklist Dass-through window properly managed No cell phones in entryway or on counter Visitor expectations sheet posted in window Bass-through window properly managed No cell phones in entryway or on counter Visitor expectations sheet posted in window Biosecurity update is posted No cell phones and shower area is clean Sign in sheet properly utilized Entryway and shower area is clean Sign in sheet properly utilized Entryway and shower area is clean Sign in sheet properly training - documentation Visitor expectations shower in procedures No towels on dirty side of shower Farm Interior Checklist No raw pork on farm Outside contractor agreement is in use per protocol Semen stored in D/D room until test results available D/D room is washed and clean Outside contractor agreement is in use per protocol Dismirectant applicator in D/D room Dismirectant applicator in all exterior doors Rodent bait boxes serviced within last 30 days No misect populations or bites on sows Thresholds intact on all exterior doors Deads removed at end of day Compost and a contacted at end of day	VETERINARY SERVICES O Comments
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Protocols posted in shower clean and dirty side Lunches enter "double bagged" No raw pork on farm Outside contractor agreement is in use per protocol Semen stored in D/D room until test results available D/D room is washed and clean Coveralls, Boots and Gloves in D/D room D/D room is washed and clean Coveralls, Boots and Gloves in D/D room D/D room is properly utilized D/D room is properly utilized D/D status sign is present Wean ine painted at each clean/dirty line Wean chute/wean area is washed and clean Protocols posted near chute/loadout Rodent bait boxes properly placed Rodent bait boxes properly placed Rodent bait boxes serviced within last 30 days No insect populations or bites on sows Thresholds intact on all exterior doors Protocols posted is designated dead removal areas Denotocols area contacted at end of day Compost area contacted at end of day	
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Compost area contacted at end of day	
Garbage removed at end of day	
Garbage dumpster contacted at end of day	
Isolation room accessed last thing of day	
Strict quarantine observed in designated isolation rooms	

Audited By: Date:

Biosecurity Audit - Pipestone System	tem	PIPES	STONE
		I	/ SERVICES
Site Exterior Checklist	Yes No	Comments	
Vehicles parked in appropriate location	×		
All doors to farm are locked	×		
Site is mowed properly	×		
Rodent bait boxes properly placed	×		
Rodent bait boxes serviced within last 30 days	×	9/10/14 with Hombre	ombre
No feed spills - all bin pads are clean	×		
All trash and debris are picked up	×		
Garbage dumpster is placed away from barn	×		
Compost Shed is properly maintained	×	Quite a few bones	nes
Barn contact numbers posted on outside door	×	Pick up from clinic	linic
Entryway and Shower Area Checklist	Yes No	Comments	
Pass-through window properly managed		Т	
No cell phones in entryway or on counter	×		
Visitor expectations sheet posted in window	×		
Biosecurity update is posted	×	Update	
Sign in sheet properly utilized	×		
Entryway and shower area is clean	×		
Shoes stored properly	×		
Outside (rendering) clothes and boots stored properly	×		
Disposable boots and gloves available	×		
Evidence of proper shower in procedures	×		
No towels on dirty side of shower	×		
Farm Interior Checklist	Yes No	Comments	
New employee biosecurity training - documentation	$\overline{}$	\top	
Protocols posted in shower clean and dirty side	×		
Lunches enter "double bagged"	×		
No raw pork on farm	×		
Outside contractor agreement is in use per protocol	×		
Semen stored in D/D room until test results available	×		
D/D room is washed and clean	×		
Coveralls, Boots and Gloves in D/D room	×		
Disinfectant applicator in D/D room	×		
D/D room is properly utilized	×		
D/D status sign is present	×		
Men pluts/men are each clean/airty line	××		
Protocols posted pear chite/loadout	< ×		
Rodent hait hoxes properly placed	: ×		
Rodent bait boxes serviced within last 30 days	×	9/9/14 with Fast Draw	st Draw
No insect populations or bites on sows	×		
Thresholds intact on all exterior doors	×		
Protocols posted is designated dead removal areas	×		
Deads removed at end of day	×		
Compost area contacted at end of day	×		
Garbage removed at end of day	×		
Garbage dumpster contacted at end of day	×		
Isolation room accessed last thing of day	×		
Strict quarantine observed in designated isolation roon'x	×		
Audited By: Hannah Myers			
Date: 9.22.14			

Animal Welfare

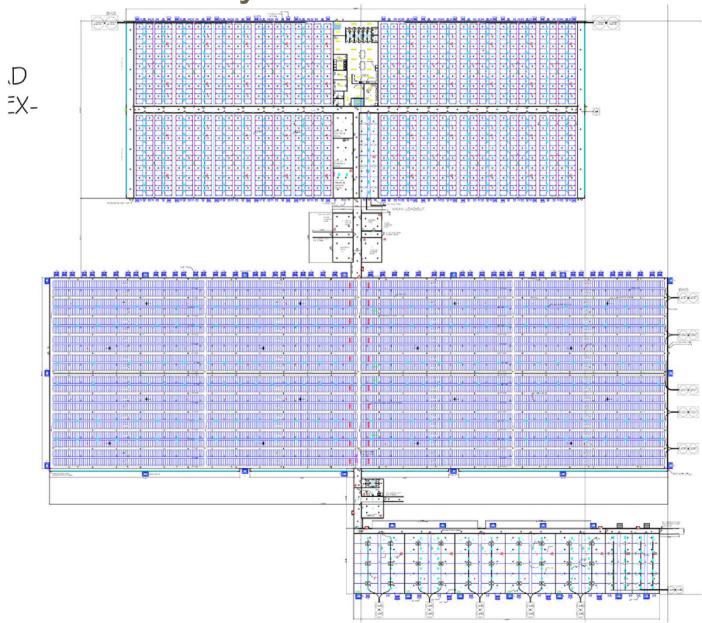
ANIMAL WELFARE TOP TEN AUDIT

FARM:	DATE:	
	Acceptable	Not Acceptable
No willful acts of neglect or abuse (requires follow up)		
No signs or observation of physical abuse to animals (malicious hitting with a closed hand/unapproved object or kicking sows is a NON-NEGOTIABLE)		
No obvious signs of husbandry negligence (i.e. boar harness left on overnight; P2+ sows or large boars in gilt crates)		
Access to water		
Animals have access to water at least twice per day (by break and at end of day)		
No feed build up in water trough to prevent water flow		
Access to feed		
Animals have access to correct amount of feed		
No feed outage - if happened, adequate plan to resolve		
Euthanasia		
Following the "Two Day Rule". Need documentation		
Piglets are euthanized in proper location and with the correct designated method for the age of the pig (This is a NON-NEGOTIABLE)		
Electrical euthanasia record of use is filled out and up-to-date		
Treatments		
Clear, complete and accurate treatment records		
No adult animals present that need treatment but have not been treated		
Less than 1% of Herd has BCS1		
Check wean & cull row: # identified/total herd population		
Animals with BCS1 are identified and addressed:		
• feed increased		
• reduce competition if in a pen		
• address secondary issues (pneumonia, lameness)		
• identify as cull, "skip" or euthanize		
Adult Animal Handling		
Animal handler(s) has calm, professional temperament		
Not using gate rod or other inappropriate tools to aid in moving		
Animals are not slipping - dry floors/drying agent applied		

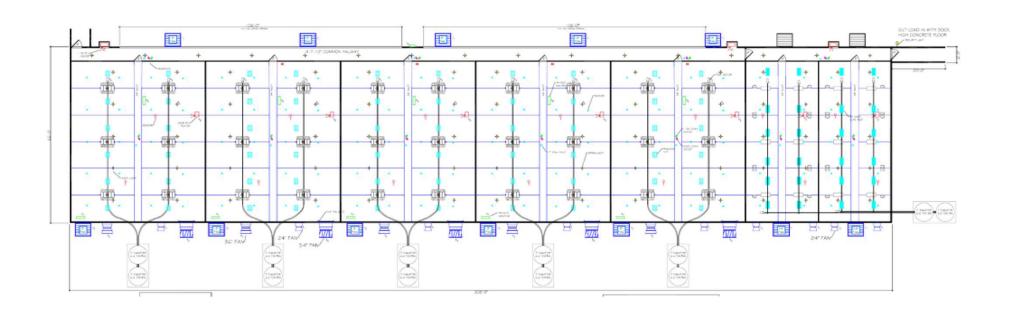
Piglet handling		
Do not throw or toss pigs (this is a NON-NEGOTIABLE)		
Feet touch ground before releasing		
Do not hold more than one pig while processing		
Environment		
Heat lamps in newly farrowed rooms are working (≥90% lamps working)		
Farrowing crates that have holes in flooring are not in use.		
Mortality Removal		
Mortality is removed from individual maternity pens & farrowing rooms to the mortality storage area daily prior to taking morning break		
Mortality is put in storage containers and storage containers are covered at all times		
Mortality is removed from mortality storage area in a timely fashion		
P Comments:	Pass Fail	(Circle On
Comments.		

AUDITOR:__

Sow Farm Layout:



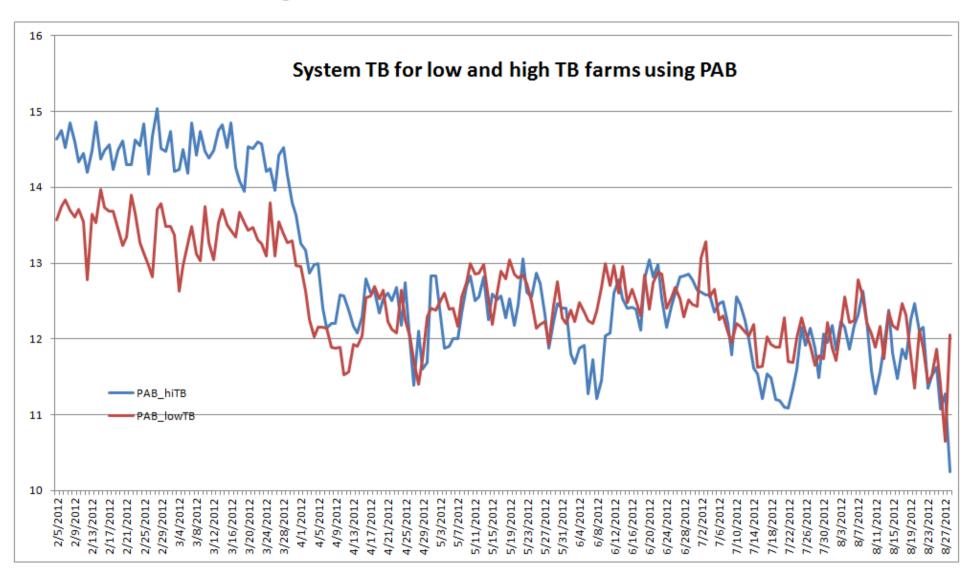
Gilt Isolation:



Pipestone Gilt Isolation and Quarantine Management

- 1. All farms will implement an isolation and quarantine procedure on each group of incoming replacement breeding groups
- 2. All incoming groups will be tested for PRRS, PED, TGE, SDCV, and influenza virus. Minimum standards for testing:
 - Arrival (day of arrival or following morning)
 - 4 OF samples:
 - PRRS PCR and ELISA, (OF ELISA's on isoweans/nursery age pigs may result in false positives. Only run ELISA on pigs >12 weeks of age)
 - PEDV PCR
 - Influenza PCR
 - TGE PCR
 - Swine Delta Coronavirus PCR
 - 10 serum samples:
 - PRRS PCR and ELISA
 - PEDV IFA
 - Day 14 post arrival (minimum), Prefer 21-28 days
 - 4 OF samples:
 - PRRS PCR and ELISA
 - PEDV PCR
 - TGE PCR
 - Swine Delta Coronavirus PCR
 - 20 serum samples:
 - PRRS PCR and ELISA
 - PEDV IFA
 - No PRRS vaccine exposure to incoming gilts until after animals have cleared 2nd PRRS test
- 3. Isolation
 - All groups will remain isolated from the resident breeding herd for 28 days following arrival
 - Staff will utilize SI/SO or Danish entry to access animals in quarantine during this time
 - Observe for clinical signs of diseases other than PRRS
- 4. Farm Veterinarian should be involved in all decisions/directives to release gilts from on farm quarantine
- 5. Feed medication may be used in isolation following arrival
- 6. Feedback and vaccination protocols may be implemented in isolation, as appropriate. No feedback should be administered until after animals have cleared quarantine testing

Monitoring at the Boar Stud Level



Monitoring at the Boar Stud Level

Pipestone System Semen Analysis

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A	CtllD			week 38	-2014							
Average of %Fail	StudID 1	2	3	4	5	6	7	20	22	23	24	Total
8/18/2013 - 8/31/2013	0%		0%	13%	0%	13%	31%	19%		23	24	11%
9/1/2013 - 9/14/2013	25%		0%	50%	0%	38%	50%	38%				29%
9/15/2013 - 9/28/2013	6%		13%	6%	0%	6%	19%	13%				9%
9/29/2013 - 10/12/2013	0%		0%	25%	0%	19%	38%	6%				15%
10/13/2013 - 10/26/2013	13%		6%	13%	25%	25%	13%	0%				14%
10/27/2013 - 11/9/2013	19%		6%	0%	13%	6%	38%	0%				12%
11/10/2013 - 11/23/2013	0%		13%	0%	13%	63%	38%	6%				16%
11/24/2013 - 12/7/2013	0%		6%	0%	19%	25%	38%	0,0				14%
12/8/2013 - 12/21/2013	13%		0%	25%	25%	13%	50%	25%				21%
1/5/2014 - 1/18/2014	13%		0%	13%	13%	20,0	25%	25%				14%
1/19/2014 - 2/1/2014	0%		0,1	19%	25%	19%	25%	6%				15%
2/2/2014 - 2/15/2014	25%		13%	25%	31%	13%	19%	19%				21%
2/16/2014 - 3/1/2014	0%			13%	25%	13%	38%					18%
3/2/2014 - 3/15/2014	0%	44%	13%	6%	19%	19%		6%				15%
3/16/2014 - 3/29/2014	6%	38%	6%	0%	25%	19%		25%				15%
3/30/2014 - 4/12/2014	13%	50%	25%	19%	38%	25%		31%	44%			30%
4/13/2014 - 4/26/2014	19%	31%	13%	25%	13%	44%		25%				24%
4/27/2014 - 5/10/2014	0%		13%	0%	13%	50%						15%
5/11/2014 - 5/24/2014	19%	50%		6%	25%	6%		25%	19%			21%
5/25/2014 - 6/7/2014	25%	25%		0%	13%			25%	0%			14%
6/8/2014 - 6/21/2014	19%	63%	38%	6%	25%	0%		38%		19%		23%
6/22/2014 - 7/5/2014	31%	44%	13%	38%	25%	31%		25%		6%	38%	27%
7/6/2014 - 7/19/2014	38%	31%	25%	19%	8%	13%	31%	13%		0%	38%	20%
7/20/2014 - 8/2/2014	38%	38%	0%	31%	13%	19%	56%	31%		19%	56%	33%
8/3/2014 - 8/16/2014	19%	63%	25%	31%	25%	44%	50%	31%		25%	6%	32%
8/17/2014 - 8/30/2014	13%	56%	38%	50%	0%	38%	38%	63%		44%	46%	41%
8/31/2014 - 9/13/2014	44%	50%	0%	50%	19%	25%	50%	38%	38%	31%	50%	38%
9/14/2014 - 9/18/2014	25%	13%	0%	0%	25%	13%	13%			0%		11%
Total	12%	42%	17%	17%	22%	17%	30%	20%	27%	19%	41%	20%

Pipestone Systems Health Update System Farms

Level-1 PRRS Negative Mult Downtime Nights: 3 in, 1 within PRRS L. GJW Joel Nerem N/A 10/27/2010 Level	
	el-1
PIC-Pederson Barry Kerkaert N/A 6/10/2014 Leve	∌l-1
PIC-Tribwasser Barry Kerkaert N/A 6/10/2014 Leve	el-1
Prairieview Pork 1 Barry Kerkaert Joe Hadley Steve Langner 605.270.2119 11/21/2013 Leve	el-1
Prairieview Pork 2 Barry Kerkaert Joe Hadley Steve Langner 605.270.2119 11/21/2013 Leve	el-1
Prairieview Pork 3 Barry Kerkaert Joe Hadley Steve Langner 605.270.2119 11/21/2013 Leve	el-1
Prairieview Pork 4 Barry Kerkaert Joe Hadley Steve Langner 605.270.2119 11/21/2013 Leve	el-1
Summit Joel Nerem N/A Nancy Stoltenber 3/1/2007 Leve	∌ I-1
Level-2 PRRS Negative Comm Downtime Nights: 2 in, 1 within PRRS L	evel
Alliance Family Farms Adam Schelkopf Joe VanMoer Jim Olson 605-532-2033 12/17/2012 Leve	el-2
Coyote Ridge Joel Nerem Dan Rodas Don Baier 605-337-9517 9/4/2013 Leve	el-2
Dakota Superior Gerald Kennedy Eric Vander Plaats Monte Hickman 605-997-5518 10/25/2011 Leve	el-2
Farmers Pork Carissa Odland Joe VanMoer Jim Wolf 605-425-3042 4/14/2011 Leve	el-2
Fox Run Luke Minion Dan Rodas Aaron Ambrosy 12/19/2012 Leve	el-2
Grassland Pork Emily McDowell Jeff Kinney Eric Ries 563-590-3196 1/19/2012 Leve	el-2
Horseshoe Hill Carissa Odland Joe VanMoer Mike Staples 402-388-2476 10/10/2013 Leve	el-2
Jackrabbit Family Pork Barry Kerkaert Dan Rodas Brian Kroeger 5/17/2013 Leve	el-2
North View Carissa Odland Joe VanMoer Mike Neeman 402-373-2889 10/22/2012 Leve	el-2
Prairie Gold Cara Haden Jeff Kinney Matt Zitlleman 319-935-3435 10/11/2013 Leve	el-2
R&F MO, LLC Steve Menke Steve Kruse Nick Palmgren 573-387-4809 6/20/2013 Leve	el-2
Salt River Steve Menke Steve Kruse Donnie Moore 11/21/2013 Leve	el-2
Shetek Gerald Kennedy Joe VanMoer Dave Rialson 507-859-5133 9/26/2012 Leve	el-2
Shetek- McCoy Gerald Kennedy Joe VanMoer Dave Railson 7/3/2012 Leve	el-2
Shetek-Nooman GDU Gerald Kennedy Joe VanMoer Dave Rialson 7/3/2012 Leve	el-2
Silver Top Emily McDowell Jeff Kinney Justin Duffy 319-634-3471 4/18/2012 Leve	el-2
Skyline Bryan Myers Steve Kruse Geralee Hershey 319-474-2258 9/15/2013 Leve	el-2
Stormy Hollow, LLC Steve Menke Steve Kruse Chris Herst 573-387-4300 6/20/2013 Leve	el-2
Windy Plains Barry Kerkaert Joe VanMoer Darin Weets 605-532-2011 3/1/2007 Leve	el-2

Monitoring at the system level

Health Level Pyramid

				Status	Days in
Level	Farm ID	Herd Size	Herd Vet	Date	Level
	Windy Plains		Barry Kerkaert	3/1/2007	2764
	Farmers Pork		Carissa Odland	4/14/2011	1259
	Dakota Superior		Gerald Kennedy	10/25/2011	1065
	Grassland Pork		Emily McDowell	1/19/2012	979
	Silver Top		Emily McDowell	4/18/2012	889
Level-2			Gerald Kennedy	9/26/2012	728
	North View		Carissa Odland	10/22/2012	702
	Alliance Family Farms		Adam Schelkopf	12/17/2012	646
	Fox Run		Luke Minion	12/19/2012	644
	Jackrabbit Family Pork		Barry Kerkaert	5/17/2013	495
	Stormy Hollow, LLC		Steve Menke	6/20/2013	461
	R&F MO, LLC		Steve Menke	6/20/2013	461
	Coyote Ridge		Joel Nerem	9/4/2013	385
Level-2			Bryan Myers	9/15/2013	374
	Horseshoe Hill		Carissa Odland	10/10/2013	349
	Prairie Gold		Cara Haden	10/11/2013	348
	Salt River		Steve Menke	11/21/2013	307
	Twin Rock		Scott VanderPoel	10/9/2012	715
	Legend		Joel Nerem	10/22/2012	702
	Buffalo Run		Spencer Wayne	11/6/2012	687
	Pheasant Run		Spencer Wayne	7/8/2013	443
	Ten Brook 1		Scott Dee	8/22/2013	398
	Hawkeye-9		Bryan Myers	10/3/2013	356
	Blue Stem		Carissa Odland	10/11/2013	348
	Buttercup		Gordon Spronk	10/31/2013	328
	Hawkeye-7		Bryan Myers	1/2/2014	265
	Deer Run Pork		Emily McDowell	1/3/2014	264
	Hawkeye-1		Joel Nerem	1/23/2014	244
	Hawkeye-3		Gordon Spronk	6/6/2014	110
	New Prairie		Barry Kerkaert	8/11/2014	44
	Hawkeye-4		Gordon Spronk	9/10/2014	14
	HIAWATHA		Scott VanderPoel		8
	Renville Run		Carissa Odland	5/22/2012	855
	Cougar Run 1		Bryan Myers	8/2/2012	783
	Calumet		Adam Schelkopf	11/1/2012	692
	Nokomis-Winnewissa		Gerald Kennedy	3/25/2013	548
	Hawkeye-2		Joel Nerem	6/5/2013	476
	Cougar Run 2		Bryan Myers	11/27/2013	301
	Rosewood		Gordon Spronk	4/15/2014	162
	Ten Brook 2		Scott Dee	4/21/2014	156
	River Valley		Spencer Wayne	6/3/2014	113
	Sleepy Hollow		Jeff Blythe	6/17/2014	99
Level-4			Cara Haden	6/17/2014	99
	Deer Ridge		Todd Williams	7/1/2014	85
	Fox Ridge Pork		Todd Williams	7/18/2014	68
	Hawkeye-6		Gordon Spronk	9/4/2014	20
	Whitetail Run		Gerald Kennedy	5/29/2014	118
	Eagle Ridge		Cara Haden	7/8/2014	78
PEDV	Schmitz Grain Farm		Barry Kerkaert	12/8/2013	290
PEDV	Lyon-One		Spencer Wayne	1/30/2014	237
PEDV	Classic Farms		Luke Minion	4/28/2014	149
PEDV	Prairieview Pork		Spencer Wayne	5/19/2014	128
PEDV	Hillcrest Pork		Todd Williams	5/27/2014	120
PEDV	Ten Brook 3		Scott Dee	6/2/2014	114
PEDV	Ducladel	2514	Bryan Myers	9/8/2014	16

Pipestone System Biosecurity Level Update

Week 2014-38	Wee	k 2	01/	1-38
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Sum of Percent	Level						
Row Labels	Level-2	Level-3	Level-4	Level-5	PEDV	TGEV	Grand Total
2014-19	28.3%	18.9%	22.6%	5.7%	22.6%	1.9%	100.0%
2014-20	28.3%	18.9%	22.6%	5.7%	22.6%	1.9%	100.0%
2014-21	28.3%	18.9%	20.8%	5.7%	24.5%	1.9%	100.0%
2014-22	28.3%	17.0%	20.8%	5.7%	26.4%	1.9%	100.0%
2014-23	27.8%	18.5%	20.4%	5.6%	27.8%	1	100.0%
2014-24	27.8%	18.5%	20.4%	5.6%	27.8%		100.0%
2014-25	27.8%	18.5%	24.1%	1.9%	27.8%	1	100.0%
2014-26	27.8%	18.5%	24.1%	1.9%	27.8%	1	100.0%
2014-27	27.8%	18.5%	24.1%	1.9%	27.8%		100.0%
2014-28	29.1%	21.8%	25.5%	5.5%	18.2%	1	100.0%
2014-29	29.1%	21.8%	27.3%	3.6%	18.2%	1	100.0%
2014-30	29.1%	21.8%	27.3%	3.6%	18.2%		100.0%
2014-31	29.1%	21.8%	29.1%	3.6%	16.4%	1	100.0%
2014-32	29.1%	21.8%	29.1%	3.6%	16.4%	1	100.0%
2014-33	30.9%	23.6%	27.3%	3.6%	14.5%		100.0%
2014-34	32.7%	23.6%	27.3%	3.6%	12.7%	1	100.0%
2014-35	32.7%	23.6%	27.3%	5.5%	10.9%	1	100.0%
2014-36	32.7%	23.6%	29.1%	3.6%	10.9%	1	100.0%
2014-37	30.9%	25.5%	27.3%	3.6%	12.7%	ı	100.0%
2014-38	30.9%	27.3%	25.5%	3.6%	12.7%	1	100.0%

System Filter Farm Status

PRRS RISK SCORE

SCORE 1 = Low

2 = Med

3 = High

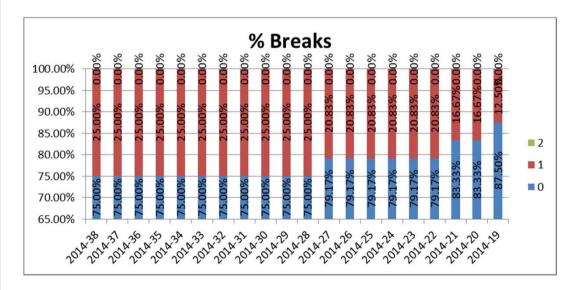
W	'eel	k 2	01	١4٠	-38

	ER 2014-30								<u> </u>	
	PRRS		Initial Filter	Total Days	PRRS Risk	Last PRRS	Days Since	Breaks in Last 12	Filter	Filter Age
Farm	Level	PEDV TGEV	Date	Filtered	Score	Date	PRRS	Months	Change Date	in Months
Hawkeye-2	Level-4		8/1/2008	2244	3	9/24/2012	729	0	8/30/2013	12.79
Hawkeye-7	Level-3		11/1/2008	2152	3	11/20/2012	672	0	2/1/2013	19.69
Rosewood	Level-4		8/1/2009	1879	2	11/27/2013	300	1	10/1/2012	23.73
Hawkeye-1	Level-3		9/1/2009	1848	3	2/5/2013	595	0	3/16/2013	18.28
Hawkeye-3	Level-3		10/1/2009	1818	3	12/28/2011	1000	0	4/12/2013	17.39
Hawkeye-6	Level-4		4/1/2010	1636	3	5/15/2014	131	1	9/1/2014	0.72
Hawkeye-4	Level-3		8/1/2010	1514	3	9/26/2013	362	1	8/5/2013	13.61
Hawkeye-9	Level-3		12/1/2010	1392	3	12/22/2012	640	0	12/22/2012	21.04
Cougar Run 1	Level-4		12/1/2010	1392	3	11/12/2011	1046	0	8/23/2013	13.02
Cougar Run 2	Level-4		12/1/2010	1392	3	11/12/2011	1046	0	8/23/2013	13.02
Sleepy Hollow	Level-4		1/1/2011	1361	3	1/16/2014	250	1	8/30/2013	12.79
Legend	Level-3		3/1/2011	1302	3	11/1/2011	1057	0	8/30/2013	12.79
Dakota Superior	Level-2		9/1/2011	1118	2	12/23/2010	1370	0	6/23/2014	3.02
Silver Top	Level-2		11/1/2011	1057	2	5/25/2011	1217	0	7/1/2014	2.76
Twin Rock	Level-3		1/1/2012	996	2	12/3/2009	1755	0	7/2/2014	2.73
Prairie Gold	Level-2		2/1/2012	965	2	11/27/2012	665	0	6/28/2014	2.86
Eagle Ridge	Level-5		3/1/2012	936	2	7/8/2014	77	1	7/9/2014	2.5
Whitetail Run	Level-5		4/1/2012	905	3	5/29/2014	117	1	4/1/2012	29.75
Grassland Pork	Level-2		6/1/2012	844	2	2/5/2011	1326	0	6/15/2014	3.29
Skyline	Level-2		6/1/2012	844	2	11/20/2012	672	0	6/21/2014	3.09
Fox Run	Level-2		12/19/2012	643	1	12/19/2012	643	0	12/19/2012	21.14
Jackrabbit Family Pork	Level-2		5/17/2013	494	1	5/17/2013	494	0	5/17/2013	16.24
Buttercup	Level-3		10/1/2013	357	2	12/19/2012	643	0	10/1/2013	11.74
Nokomis-Winnewissa	Level-4		10/1/2013	357	2	11/21/2012	671	0	10/1/2013	11.74

System Filter Farm Status

	Breaks in Previo	ous 12 Months	by Week
	2	1	0
2014-38	0.00%	25.00%	75.00%
2014-37	0.00%	25.00%	75.00%
2014-36	0.00%	25.00%	75.00%
2014-35	0.00%	25.00%	75.00%
2014-34	0.00%	25.00%	75.00%
2014-33	0.00%	25.00%	75.00%
2014-32	0.00%	25.00%	75.00%
2014-31	0.00%	25.00%	75.00%
2014-30	0.00%	25.00%	75.00%
2014-29	0.00%	25.00%	75.00%
2014-28	0.00%	25.00%	75.00%
2014-27	0.00%	20.83%	79.17%
2014-26	0.00%	20.83%	79.17%
2014-25	0.00%	20.83%	79.17%
2014-24	0.00%	20.83%	79.17%
2014-23	0.00%	20.83%	79.17%
2014-22	0.00%	20.83%	79.17%
2014-21	0.00%	16.67%	83.33%
2014-20	0.00%	16.67%	83.33%
2014-19	0.00%	12.50%	87.50%

PRRS RISK	Breaks in the last	% Breaks Based on
SCORE		# of Farms
1 = Low	0	0%
2 = Med	2	20%
3 = High	4	33%



Monitoring Across the Industry

- Swine Health Monitoring Project
 - U of MN (D. Goede, B. Morrison)

PRRSV

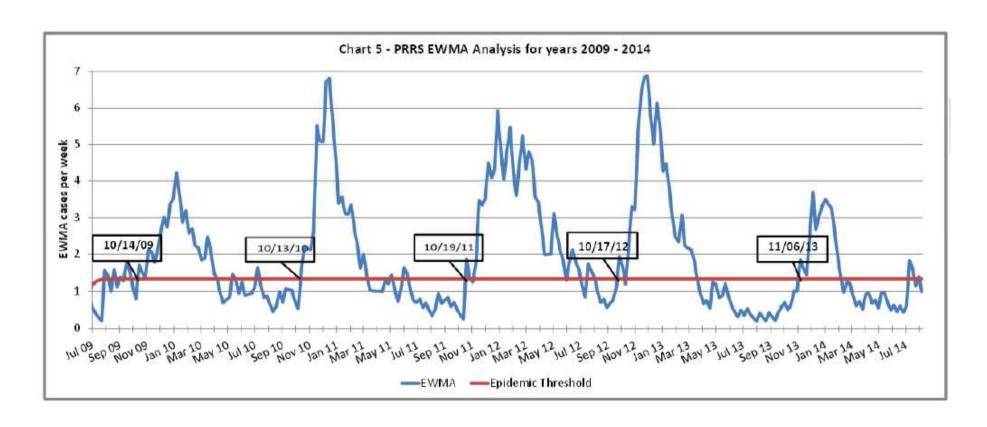
Number of sows	1,213,052
Number of farms	372

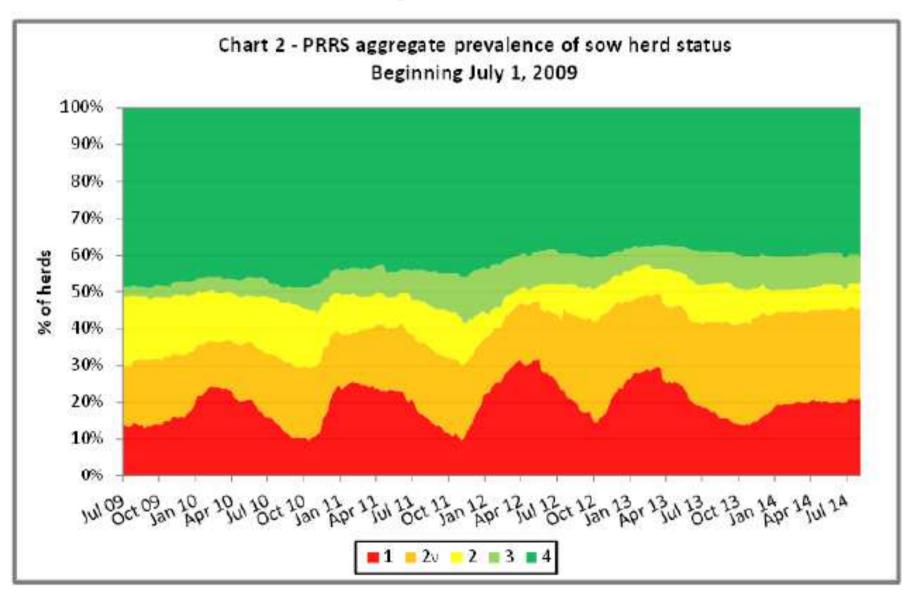
AASV Classification	
1	Positive Unstable
2v	Positive Stable, Ongoing exposure
2	Positive Stable
3	Provisionally Negative
4	ELISA Negative

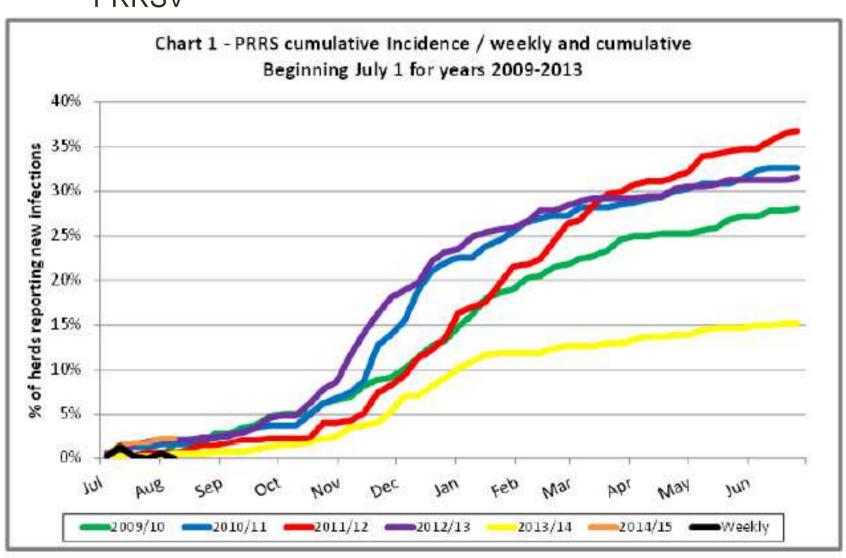
PEDV

Number of sows	2,084,042
Number of farms	739

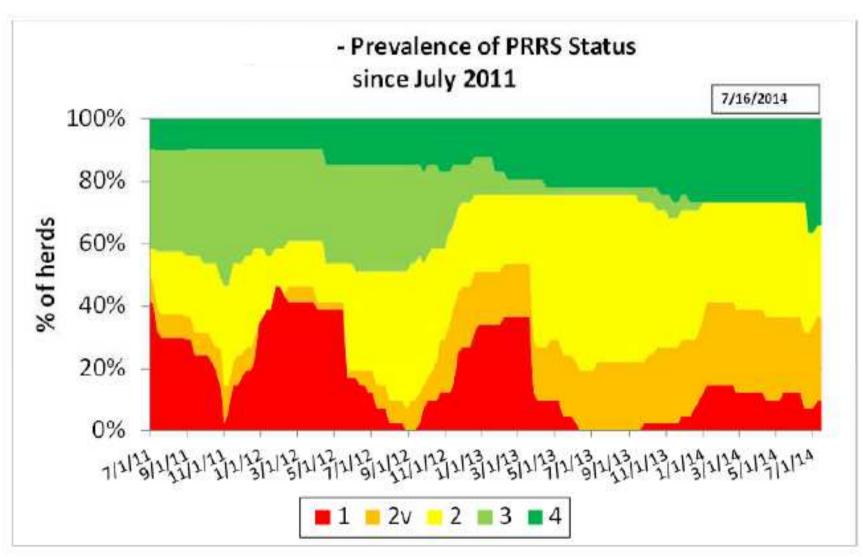
	Classification Scheme	
1	Positive Unstable	
2v	Positive Stable, Ongoing exposure	
2	Positive Stable	
3	Provisionally Negative	
4	Negative	



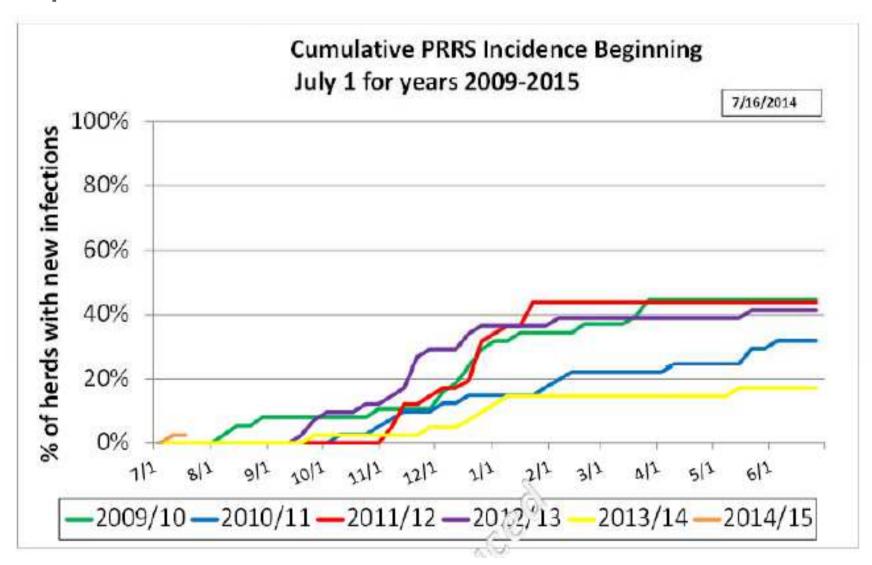


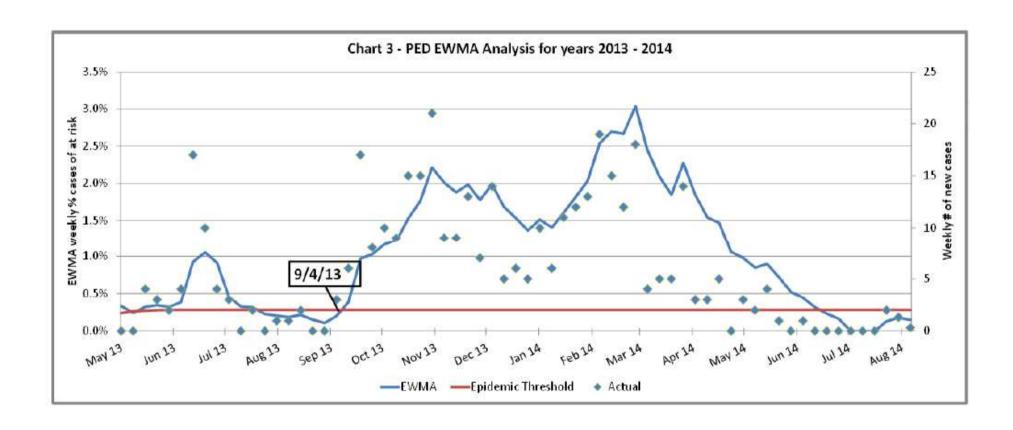


Pipestone



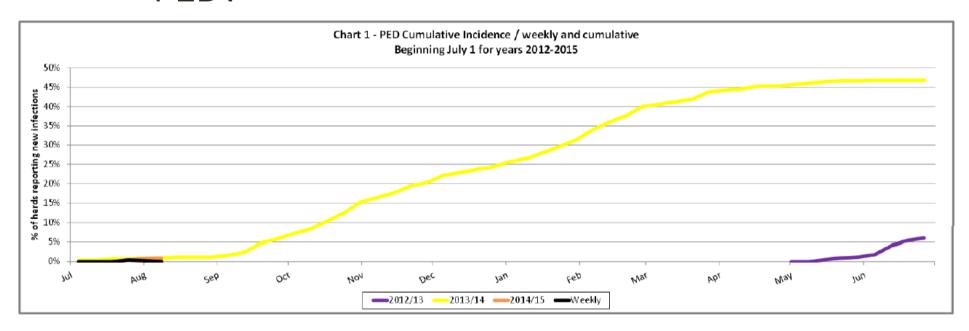
Pipestone



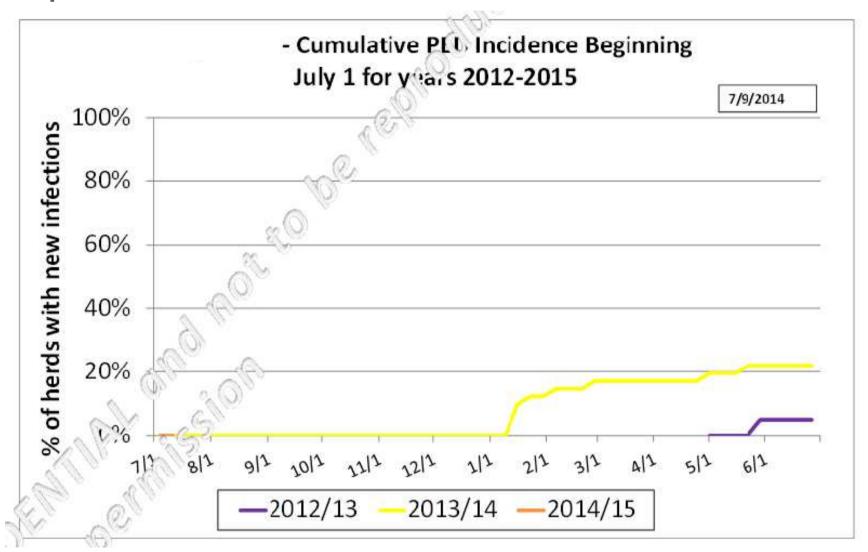


Swine Health Monitoring Project – U of MN (D. Goede)

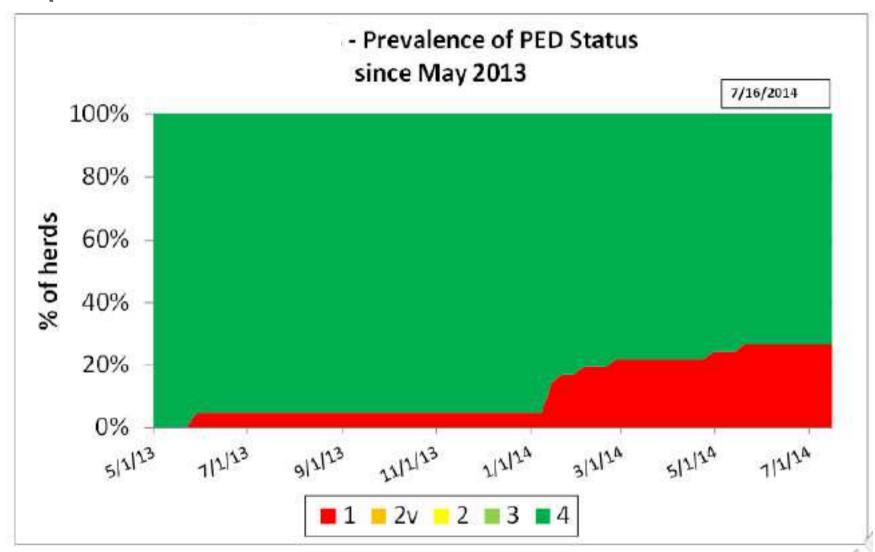
PEDV



Pipestone



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