



Animal and Plant  
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# Swine Enteric Coronavirus Disease (SECD) Situation Report – Nov 20, 2014

Information current as of 12:00 pm MDT, 11/14/14

This report provides information on confirmed SECD-infected premises and SECD laboratory testing results data reported to USDA since the Federal Order was initiated on June 5, 2014. USDA-APHIS-VS veterinary officials confirm SECD-infected premises according to the official case definition. These reports are available on the USDA Web site at [www.aphis.usda.gov/animal-health/secd](http://www.aphis.usda.gov/animal-health/secd). The Web site provides additional SECD information, including reports on SECD laboratory testing prior to the Federal Order.

## Confirmed Positive Premises

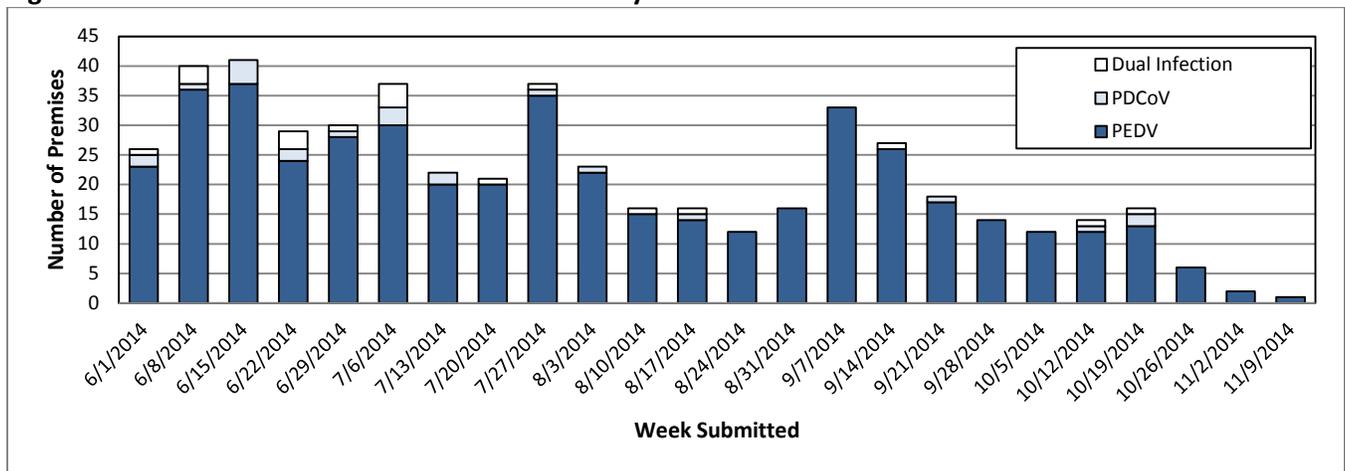
**Table 1. Confirmed Positive Premises This Week and Cumulative since June 5, 2014**

NEW THIS WEEK (NOVEMBER 9 – NOVEMBER 15, 2014)	PEDV	PDCOV	DUAL INFECTION <sup>a</sup>
New Confirmed Positive Premises This Week	8	0	1
New Presumptive Positive Premises This Week	8	0	0
CURRENT PREMISES WITH SECD POSITIVE STATUS <sup>b</sup>	PEDV	PDCOV	DUAL INFECTION <sup>a</sup>
Total Premises with Confirmed Positive Status This Week	474	20	19
CUMULATIVE SINCE JUNE 5, 2014	PEDV	PDCOV	DUAL INFECTION <sup>a</sup>
Confirmed Positive Premises	476	22	19
Presumptive Positive Premises	314	23	23
Confirmed Positive Premises that have Attained Negative Status (i.e., premises that changed from positive to negative status)	2	2	0

<sup>a</sup>Dual infection indicates premises with both PEDV and PDCoV

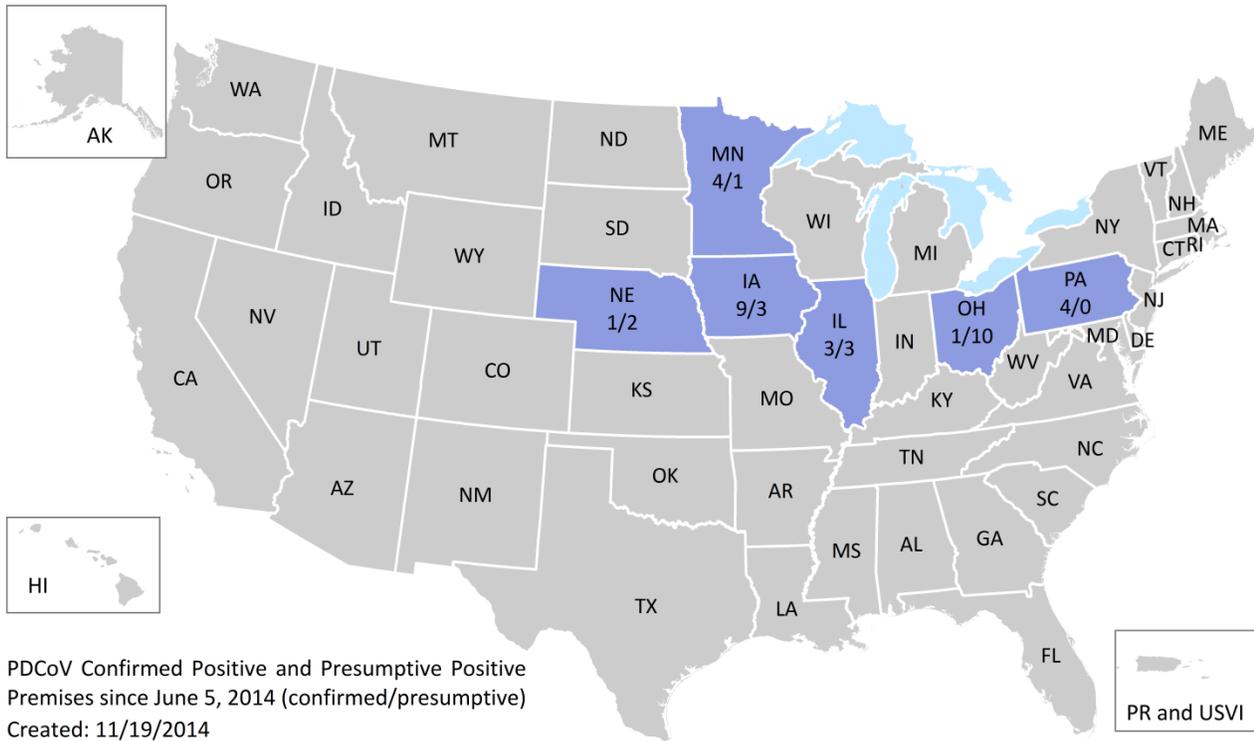
<sup>b</sup>Cumulative data includes current premises with positive status and premises that were positive but have acquired negative status

**Figure 1. Number of Confirmed Positive Premises by Week Tested**

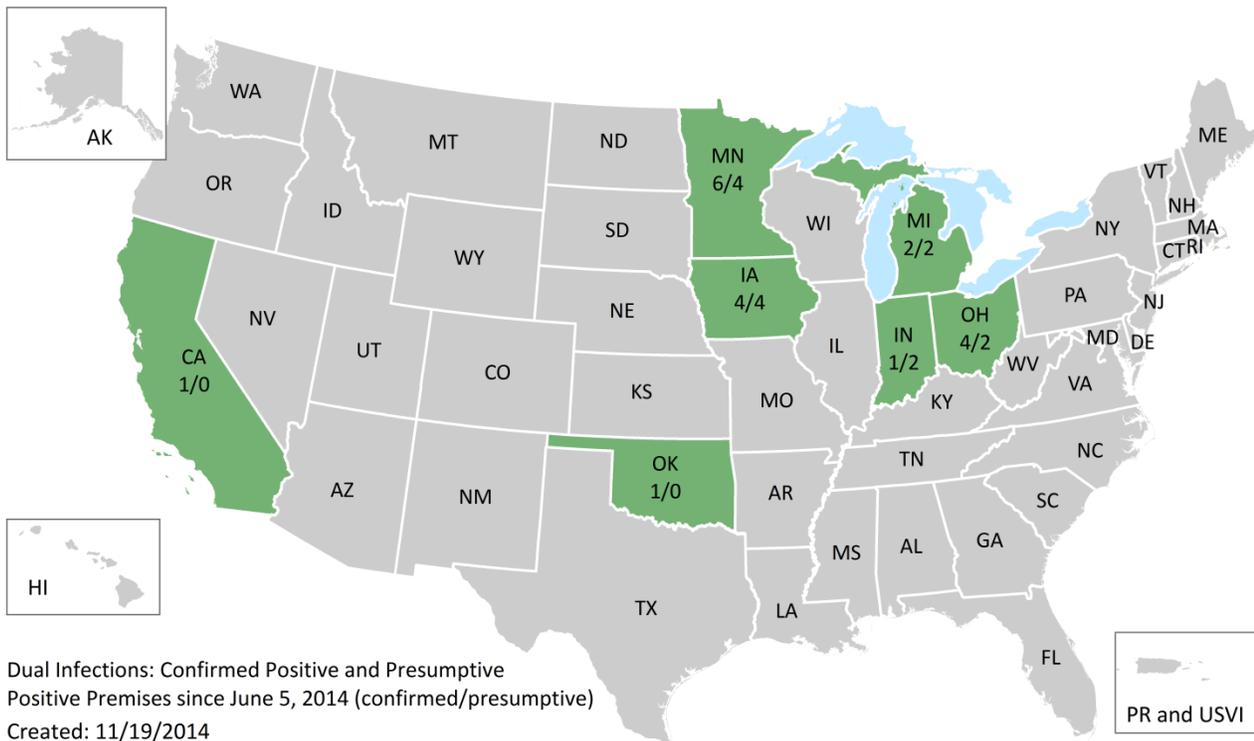




**Map 2. PDCoV: Cumulative Confirmed and Presumptive PDCoV Positive Premises since June 5, 2014**



**Map 3. Dual Infection: Cumulative Confirmed and Presumptive Positive Premises with both PEDV and PDCOV since June 5, 2014**



**Table 2. Number of SECD Confirmed and Presumptive Positive Premises in Each Production Class, by Month Tested** (includes PEDV, PDCoV, and Dual Infections) (confirmed / presumptive)

<b>MONTH TESTED</b>	<b>NURSERY</b>	<b>WEAN TO FINISH</b>	<b>FARROW TO FINISH</b>	<b>FINISHER</b>	<b>SOW/BREEDING</b>	<b>UNKNOWN</b>
Jun 2014	17 / 9	29 / 15	15 / 8	22 / 18	44 / 43	13 / 51
Jul 2014	27 / 9	36 / 7	6 / 5	21 / 12	31 / 11	16 / 33
Aug 2014	13 / 8	15 / 6	1 / 5	24 / 9	10 / 5	10 / 22
Sep 2014	14 / 1	20 / 5	1 / 2	29 / 7	28 / 4	6 / 14
Oct 2014	/ 3	15 / 3	2 /	26 / 12	4 /	11 / 7
Nov 2014 (year to date)	/	/	/	/	3 / 5	/
<b>TOTAL</b>	<b>72 / 34</b>	<b>117 / 38</b>	<b>25 / 20</b>	<b>122 / 62</b>	<b>125 / 74</b>	<b>56 / 132</b>

**Table 3. PEDV: Number of Confirmed and Presumptive Positive Premises by Week Tested (confirmed / presumptive)**

WEEK TESTED	TOTAL	AZ	CA	CO	IL	IN	IA	KS	KY	MI	MN	MO	MT	NE	NV	NY	NC	OH	OK	PA	SD	TN	TX	UT	WI	WY
Unknown	8 / 19				/ 1		2 / 5			/ 2	1 / 4	/ 1		/ 1			/ 1	1 / 2	4 / 1						/ 1	
<6/1/14	/ 1										/ 1															
6/1/2014	23 / 19				/ 3	/ 2	9 / 4			5 / 1	1 / 1	2 / 5		/ 1			3 / 1	1 / 1		2 /						
6/8/2014	36 / 43				1 / 8	1 / 2	12 / 6	2 /		1 / 1	4 / 5	/ 7		1 / 8			6 / 3	/	3 / 2	1 /	2 / 1		2 /			
6/15/2014	37 / 27				9 / 5	3 / 2	8 / 2	1 /		2 /	3 / 6	1 / 5	/ 1	1 /			4 / 3	2 / 3	1 /		2 /					
6/22/2014	24 / 27				2 / 4	2 / 1	6 / 4	4 /		1 /	5 / 5	/ 3		1 / 6			/ 1	/ 1			2 / 2		1 /			
6/29/2014	28 / 13			/ 1	3 / 2	3 / 1	9 / 2		1 /		4 / 4	1 / 1		1 / 1			4 /	2 / 1								
7/6/2014	30 / 15				5 / 2	2 /	11 / 2		2 /		3 / 5	/ 2		/ 1			2 / 2	1 /	1 /		1 / 1				2 /	
7/13/2014	20 / 13				2 / 1	/ 1	5 / 2			1 /	2 / 2	/ 1		4 /			3 /	1 / 4	2 /		/ 1				/ 1	
7/20/2014	20 / 18				1 /	/ 2	6 / 5			1 /	2 / 1	1 / 1		1 / 1			2 / 2	3 / 2	1 / 1		/ 3		1 /		1 /	
7/27/2014	35 / 11	1 /		2 /	6 / 1	2 /	14 / 3				1 / 3	3 /		2 /		1 /	2 / 3			/ 1					1 /	
8/3/2014	22 / 12			1 /	1 / 1	2 / 1	9 / 1	1 /	1 / 1	2 / 2	/ 2	1 / 1		1 / 2		1 /	/ 1		1 /						1 /	
8/10/2014	15 / 13				1 / 1	1 / 1	4 / 3				3 / 4	/ 1		1 / 1			3 / 1				/ 1		2 /			
8/17/2014	14 / 13					/ 2	6 / 6				4 / 1	1 / 1		1 /			1 / 1	/ 1				/ 1	1 /			
8/24/2014	12 / 9					/ 1	2 / 1	1 /	/ 1	1 /	2 / 2	2 /		/			3 / 2	/ 1				/ 1	/	1 /		
8/31/2014	16 / 8				1 / 2		6 / 1			1 /	2 / 1	1 / 1		1 / 2			2 / 1		1 /					1 /		
9/7/2014	33 / 9						10 /				3 / 5	/ 1		2 /			4 / 1	/ 1	/ 1					14 /		
9/14/2014	26 / 4				/ 1	1 / 1	11 /				/ 1	2 /		/			4 /		1 /		3 / 1			4 /		
9/21/2014	17 / 9		1 /		/ 4		9 / 1	/ 1			1 /	3 /	/ 1	1 /			1 / 1		1 / 1							
9/28/2014	14 / 4				1 /	1 /	8 / 2				1 /			/ 1			1 /		2 /		/ 1					
10/5/2014	12 / 7				/ 2	2 /	5 / 1		1 /		/ 1			1 /			3 / 2		/ 1							
10/12/2014	12 / 7						6 / 2			1 / 1	/ 1	1 /		/ 1	1 /		1 / 1	/ 1	2 /							
10/19/2014	13 / 8						5 / 4	4 /			3 /			1 /			/ 4									
10/26/2014	6 / 1						2 /	2 / 1			1 /								1 /							
11/2/2014	2 / 4							1 / 4																	1 /	
11/9/2014	1 /													1 /												
<b>TOTAL</b>	<b>476 / 314</b>	<b>1 /</b>	<b>1 /</b>	<b>3 / 1</b>	<b>33 / 38</b>	<b>20 / 17</b>	<b>165 / 57</b>	<b>16 / 6</b>	<b>5 / 2</b>	<b>16 / 7</b>	<b>46 / 55</b>	<b>19 / 31</b>	<b>/ 2</b>	<b>21 / 26</b>	<b>1 /</b>	<b>2 /</b>	<b>49 / 31</b>	<b>11 / 18</b>	<b>21 / 7</b>	<b>3 / 1</b>	<b>10 / 11</b>	<b>/ 2</b>	<b>7 /</b>	<b>20 /</b>	<b>1 /</b>	<b>5 / 2</b>

**Table 4. PDCoV: Number of Confirmed and Presumptive Positive Premises by Week Tested**  
(confirmed / presumptive)

WEEK TESTED <sup>a</sup>	TOTAL	IL	IN	IA	MI	MN	MT	NE	OH	PA
6/1/2014	2 / 3	/ 1				1 / 1	/ 1	1 /		
6/8/2014	1 / 2								/ 2	1 /
6/15/2014	4 / 3	/ 1		2 /					1 / 2	1 /
6/22/2014	2 / 3			1 / 1					/ 2	1 /
6/29/2014	1 /			/						1 /
7/6/2014	3 / 3	/ 1		3 / 2						
7/13/2014	2 / 3	1 /		1 /					/ 3	
7/27/2014	1 / 1					1 /			/ 1	
8/3/2014	1 / 2					1 /		/ 2		
8/10/2014	/ 1		/ 1							
8/17/2014	1 /			1 /						
9/21/2014	1 / 1			1 /	/ 1					
10/12/2014	1 / 1	1 /	/ 1							
10/19/2014	2 /	1 /				1 /				
<b>TOTAL</b>	<b>22 / 23</b>	<b>3 / 3</b>	<b>/ 2</b>	<b>9 / 3</b>	<b>/ 1</b>	<b>4 / 1</b>	<b>/ 1</b>	<b>1 / 2</b>	<b>1 / 10</b>	<b>4 /</b>

<sup>a</sup>Data in this table are current through the date of this report. Weeks are not listed if there were no premises with confirmed or presumptive PDCoV positive premises for that week.

**Table 5. Dual Infection: Number of Confirmed and Presumptive Positive Premises by Week Tested**  
(confirmed / presumptive)

WEEK TESTED <sup>a</sup>	TOTAL	CA	ID	IL	IN	IA	MI	MN	NE	NC	OH	OK	PA	WY
Unknown	/ 1													/ 1
6/1/2014	1 / 2							/ 1		/ 1	1 /			
6/8/2014	3 / 6			/ 1	1 / 1	/ 1	/ 1	1 / 1	/ 1			1 /		
6/15/2014	/ 3			/ 1		/ 1		/ 1						
6/22/2014	3 / 5		/ 1	/ 1				2 / 1			1 / 1		/ 1	
6/29/2014	1 / 1					1 / 1							/	
7/6/2014	4 / 2	1 /				1 / 1	1 /	1 /					/ 1	
7/13/2014	/ 1				/ 1									
7/20/2014	1 /					1 /								
7/27/2014	1 /							1 /						
8/10/2014	1 /							1 /						
8/17/2014	1 / 1						1 / 1							
8/24/2014	/ 1										/ 1			
9/14/2014	1 /					1 /								
10/12/2014	1 /										1 /			
10/19/2014	1 /										1 /			
<b>TOTAL</b>	<b>19 / 23</b>	<b>1 /</b>	<b>/ 1</b>	<b>/ 3</b>	<b>1 / 2</b>	<b>4 / 4</b>	<b>2 / 2</b>	<b>6 / 4</b>	<b>/ 1</b>	<b>/ 1</b>	<b>4 / 2</b>	<b>1 /</b>	<b>/ 2</b>	<b>/ 1</b>

<sup>a</sup>Data in this table are current through the date of this report. Weeks are not listed if there were no premises with confirmed or presumptive PEDV and PDCoV dual positive premises for that week.

# SECD Laboratory Accessions

**Table 6. Biological Laboratory Accessions This Week and Cumulative since June 5, 2014**

NEW THIS WEEK (NOV 9 – NOV 15, 2014)	PEDV	PDCOV
Positive Accessions	86	11
Accessions Tested	695	432
Percent Positive Accessions	12.4%	2.5%
CUMULATIVE SINCE JUNE 5, 2014	PEDV	PDCOV
Positive Accessions	1,854	195
Accessions Tested	17,223	7,272
Percent Positive Accessions	10.8%	2.7%

**Table 7. Biological Accessions Tested and Number Positive by Month Tested**

MONTH	PEDV			PDCOV		
	TESTED	POSITIVE	% POS	TESTED	POSITIVE	% POS
Jun 2014	2,768	407	14.7%	824	80	9.7%
Jul 2014	3,555	410	11.5%	1,195	46	3.8%
Aug 2014	3,095	312	10.1%	1,193	18	1.5%
Sep 2014	3,143	261	8.3%	1,338	11	0.8%
Oct 2014	3,304	299	9.0%	1,899	19	1.0%
Nov 2014 (month to date)	1,373	169	12.3%	825	21	2.5%
<b>TOTAL<sup>a</sup></b>	<b>17,238</b>	<b>1,854</b>	<b>10.8%</b>	<b>7,274</b>	<b>195</b>	<b>2.7%</b>

<sup>a</sup>Samples in an individual laboratory accession may be tested in subsequent months (at the start and end of the month), causing an individual accession to be counted in two months. For this reason, Table 7 totals may be slightly higher than totals in Table 6.

**Figure 4. PEDV: Biological Accessions Tested and Number Positive by Week Tested**

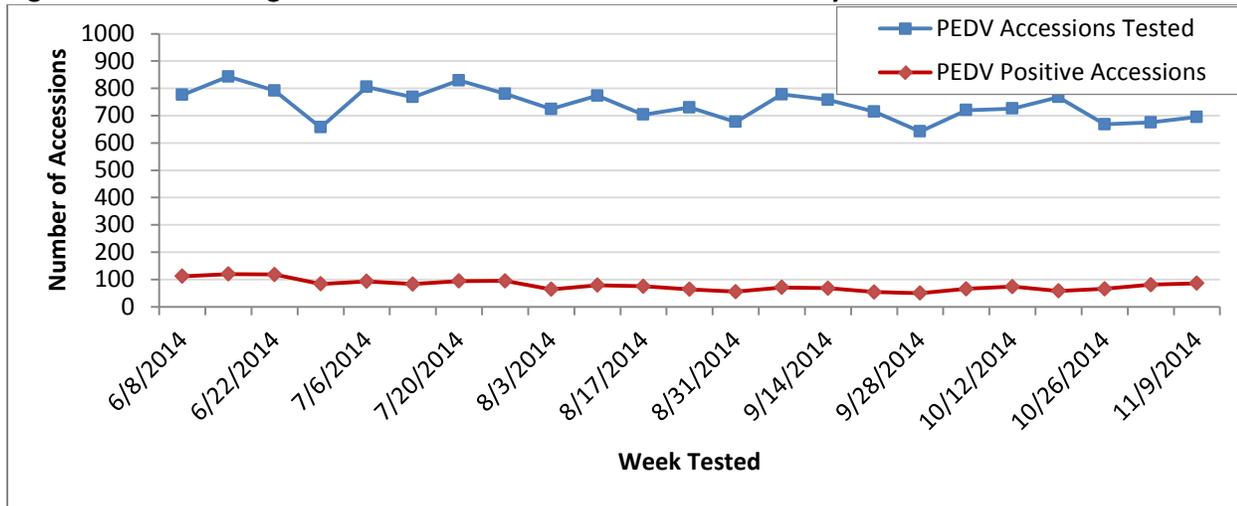
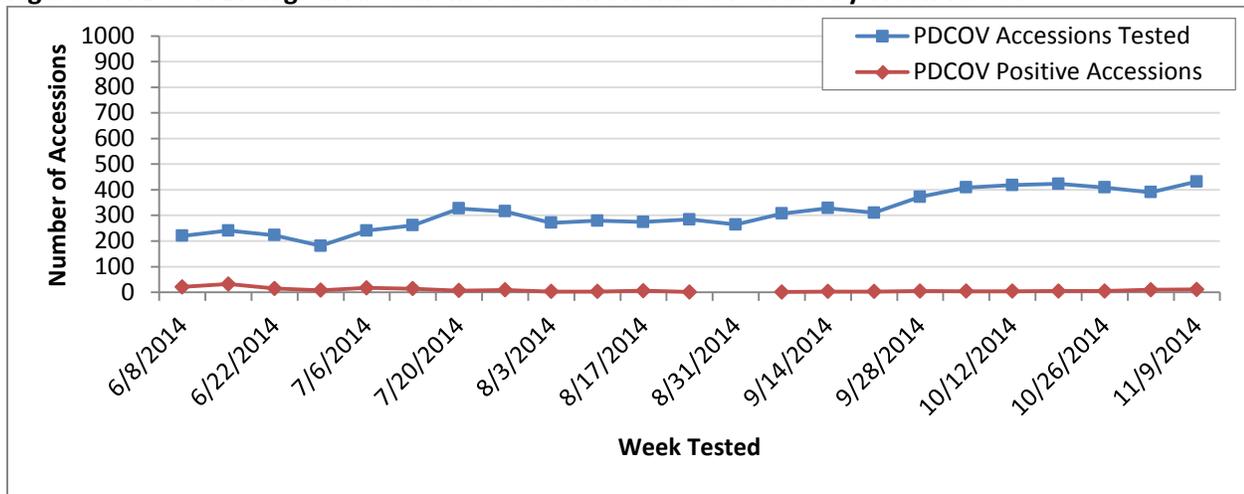


Figure 5. PDCoV: Biological Accessions Tested and Number Positive by Week Tested



**Table 8. PEDV Positive Laboratory Accessions by Week Tested and State<sup>a</sup>**

WEEK TESTED	TOTAL POSITIVE ACCESSIONS	AR	AZ	CA	CO	IA	ID	IL	IN	KS	KY	MI	MN	MO	MT	NC	ND	NE	NV	NY	OH	OK	PA	SD	TN	TX	UT	WI	WY	UNK	
6/1/2014	46					5		2				4	16	10		2					4	1		1	1						
6/8/2014	112					26		14	3	1	1	3	21	9		10		10			1	5		4		3				1	
6/15/2014	121					20		16	5	1		7	33	11		9		4			3	1		6	1	2		1		1	
6/22/2014	118					20	1	21	6	3			18	11		7		10			8	4	1	7						1	
6/29/2014	84				1	22		14	3	1	2	1	12	6	1	7		4			4	4		2							
7/6/2014	93		1		3	23		11	3		1	3	16	7		9		4				3		4		3			2		
7/13/2014	83			1		10		12	2	1		4	15	9		5		6			6	5		3		1			2	1	
7/20/2014	94			1		18	2	11	2			4	14	4		8		2			7	5	1	7		4			3	1	
7/27/2014	95		1		3	17		20	2			1	18	6		7		4		1	2	3	1	2		4			3		
8/3/2014	64				2	11		8	3	1	1	5	8	5		5		4		1		3		3	1	1			2		
8/10/2014	79			2	2	16		16	2				16	3		6		3			1	1		4		3		3	1		
8/17/2014	75			2	1	13		10	3	1		4	17	7		6		3			1	3		2	1				1		
8/24/2014	64			2		11		7	1	1		4	9	5		6					4	1	1	3	2	3		1	3		
8/31/2014	55		1	1		8		11	2			2	8	5		3		1			2	2		2		3	2		2		
9/7/2014	71		1	1		12	1	10	1	1		2	18	5		8		2			1	2				1	1	2	2		
9/14/2014	67		1	2		18	1	5	2			1	7	8		7	1				1	1	1	5		2	3		1		
9/21/2014	54		2	2		14		11	1	1		1	3	9	1	2		3					1		1	1			1		
9/28/2014	50		1	1		13		5	4			2	7	4		3		1					3	1	3		1			1	
10/5/2014	66	1	1	1	1	10		13	4		1	2	9	5		7	1	2			1	2		1		3			1		
10/12/2014	74		1	1		19		7	3		1	3	11	8		2		1	1			2	3		5		2	2	1	1	
10/19/2014	58		1	1		15		6	1	5			10	4		6		2				1			1		4			1	
10/26/2014	67			1	2	13		10	4	9			4	3				2				2	3		4		4	3		2	1
11/2/14	81			1		11		2	3	5	1	2	3	9		4							10				14	2	1	2	11
11/9/14	86					9		10	1	12		1	9	5		2		2				1	5		1		7	1		3	17
<b>TOTAL<sup>b</sup></b>	<b>1,858</b>	<b>1</b>	<b>11</b>	<b>20</b>	<b>15</b>	<b>354</b>	<b>5</b>	<b>252</b>	<b>61</b>	<b>43</b>	<b>8</b>	<b>56</b>	<b>302</b>	<b>158</b>	<b>2</b>	<b>131</b>	<b>4</b>	<b>68</b>	<b>1</b>	<b>2</b>	<b>52</b>	<b>71</b>	<b>6</b>	<b>71</b>	<b>5</b>	<b>67</b>	<b>14</b>	<b>9</b>	<b>34</b>	<b>35</b>	

<sup>a</sup>For Laboratory Accession Data, the State is the collection site State that was reported by the testing Laboratory to USDA.

<sup>b</sup>Samples in an individual laboratory accession may be tested in subsequent weeks (at the start and end of the week), causing an individual accession to be counted in two weeks. For this reason, Totals in Table 8 may be slightly higher than Totals in Table 6.

**Table 9. PDCoV Positive Laboratory Accessions by Week Tested and State<sup>a</sup>**

WEEK TESTED	TOTAL POSITIVE ACCESSIONS	CA	IA	ID	IL	IN	MI	MN	MO	MT	NC	NE	OH	OK	PA	SD	TX	WY	UNK
6/1/2014	8				1			4		1			2						
6/8/2014	21				2	1	1	5	2		1	2	1		2	3			1
6/15/2014	32		3		1	2		17	1				5		1	1			1
6/22/2014	15		1			2		3					5		1	2			1
6/29/2014	8		2				1	1	1		1				1				1
7/6/2014	17		7		1	1	1	5					1		1				
7/13/2014	14	1	2		1	2		1					5			1		1	
7/20/2014	7	1	1	2	1			2											
7/27/2014	9		2					2					3				2		
8/3/2014	3								1			2							
8/10/2014	3	1			1								1						
8/17/2014	6		1			1	1		1			2							
8/24/2014	1												1						
9/7/2014	1			1															
9/14/2014	3		1			1		1											
9/21/2014	3		1		1	1													
9/28/2014	5		3			1		1											
10/5/2014	4		1			1	1	1											
10/12/2014	4		1			1		1					1						
10/19/2014	5				3			1					1						
10/26/2014	5				4	1													
11/2/14	10	1	1	1			1	2						1					3
11/9/14	11		1		4	2					1								3
<b>TOTAL<sup>b</sup></b>	<b>195</b>	<b>4</b>	<b>28</b>	<b>4</b>	<b>20</b>	<b>17</b>	<b>6</b>	<b>47</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>26</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>10</b>

<sup>a</sup>For Laboratory Accession Data, the State is the collection site State that was reported by the testing Laboratory to USDA.

<sup>b</sup>Samples in an individual laboratory accession may be tested in subsequent weeks (at the start and end of the week), causing an individual accession to be counted in two weeks. For this reason, Totals in Table 8 may be slightly higher than Totals in Table 6.

## Notes About Data Used in This Report

- This report is posted on the USDA SECD Web site ([www.aphis.usda.gov/animal-health/secd](http://www.aphis.usda.gov/animal-health/secd)). This Web site also provides information on SECD laboratory testing prior to the Federal Order (April 2013 - June 2014), and information on SECD reporting, case definitions, herd plans, vaccines, and the Federal response.
- Dual infection indicates a premises that is positive for both PEDV and PDCoV.
- In general, a laboratory accession is a set of samples collected at a single premises on a single day and submitted to the laboratory. A single herd or premises may be tested multiple times, and the same herd or premises may be represented in a large number of laboratory accessions.
- Laboratory accession data in this report includes only PCR results from testing on biological samples; testing on environmental or feed samples is not included.
- In the laboratory accession section of this report, State is the Collection State that was reported by the testing laboratory to USDA; State of origin data provided by laboratories is not verified by USDA. However, the locations of premises associated with positive laboratory accessions are verified by USDA staff and reported in the premises section of this report.
- Veterinary diagnostic laboratories that have reported SECD testing data to the USDA APHIS VS since June 5, 2014 include: Arkansas Livestock & Poultry Commission Laboratory; University of Georgia – Athens; University of Illinois Veterinary Diagnostic Laboratory; Illinois Department of Agriculture, Galesburg Animal Disease Laboratory; Iowa State University Veterinary Diagnostic Laboratory; Kansas State Veterinary Diagnostic Laboratory; Michigan State University-- Diagnostic Center for Population and Animal Health; University of Minnesota Veterinary Diagnostic Laboratory; Missouri Department of Agriculture Veterinary Diagnostic Laboratory; University of Nebraska Veterinary Diagnostic Center; Rollins Diagnostic Laboratory - North Carolina Department of Agriculture; North Dakota State University Veterinary Diagnostic Laboratory; Ohio Animal Disease Diagnostic Laboratory – Ohio Department of Agriculture; Oregon State University Veterinary Diagnostic Laboratory; Indiana Animal Disease Diagnostic Laboratory at Purdue University; Animal Disease Research & Diagnostic Laboratory - South Dakota State University; and Texas Veterinary Medical Diagnostic Laboratory. Data in this report does not include testing data from private diagnostic laboratories or testing data from for research projects.
- Data summaries provided in this report reflect the most current and complete data available at the time of report preparation; summaries in this report may differ from those provided in past reports.