



Animal and Plant  
Health Inspection  
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Services

# Swine Enteric Coronavirus Disease (SECD) Situation Report – Aug 7, 2014

*Information current as of 4:30 pm CST, Aug 6, 2014*

In response to the significant impact swine enteric coronavirus diseases (SECD) are having on the U.S. pork industry, USDA issued a Federal Order for *Reporting, Herd Monitoring, and Management of Novel Swine Enteric Coronavirus Diseases*, effective June 5, 2014. This Situation Report provides current and cumulative information only on SECD-infected premises that have been entered into the Emergency Management Response System (EMRS). These SECD-infected premises have been verified by field personnel, according to the accepted case definition. Veterinary Services and State personnel work with submitting veterinarians to verify the locations sampled and the presence of clinical signs, since issuance of the Federal Order.

General information about the SECD monitoring and control program is provided on the USDA web site at: [www.aphis.usda.gov/animal-health/secd](http://www.aphis.usda.gov/animal-health/secd)

### Confirmed Positive Premises

Since the Federal Order was initiated on June 5, 2014, 120 SECD-positive premises have been identified, including 101 premises confirmed positive for porcine epidemic diarrhea virus (PEDV); 11 premises confirmed positive for porcine deltacoronavirus (PDCoV); and 8 premises confirmed for both PEDV and PDCoV. SECD-positive premises have been identified in 16 States.

### Status of Laboratory Accessions in EMRS

Cumulative since June 5<sup>th</sup>, 2014: These accessions are listed only as an indication of the positive lab accessions that have been received and processed in EMRS, reflecting the workload for State and Federal personnel. These accession data do not equate to verified positive premises; multiple accessions are being submitted for single, positive, premises which results in a much larger number of positive accessions than actual positive premises.

<u># Positive accessions</u> <i>Total received in EMRS.</i>	<u>Received-pending</u> <i>Not yet assigned due to lack of information.</i>	<u>Assigned for follow-up</u> <i>Field personnel contacting submitters.</i>	<u>Verified</u> <i>Matched to premises where sampled.</i>
790	92	395	303

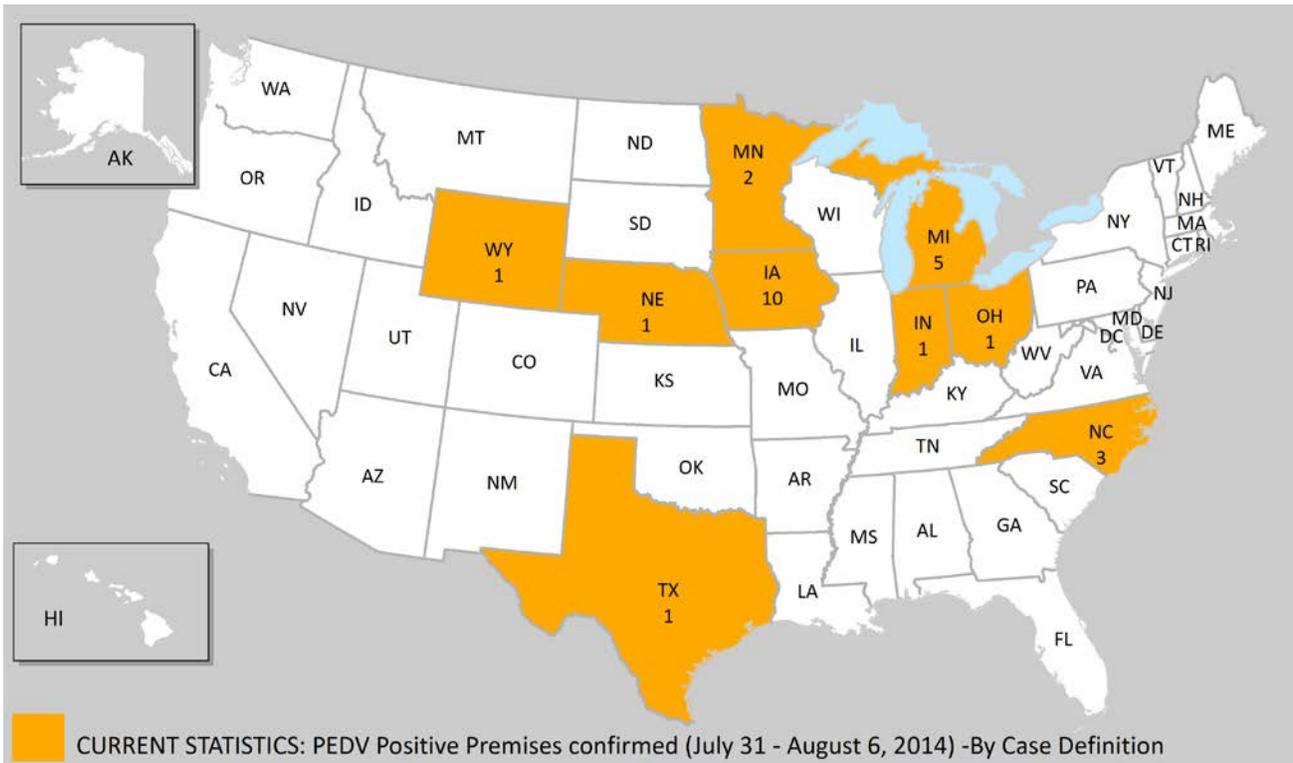
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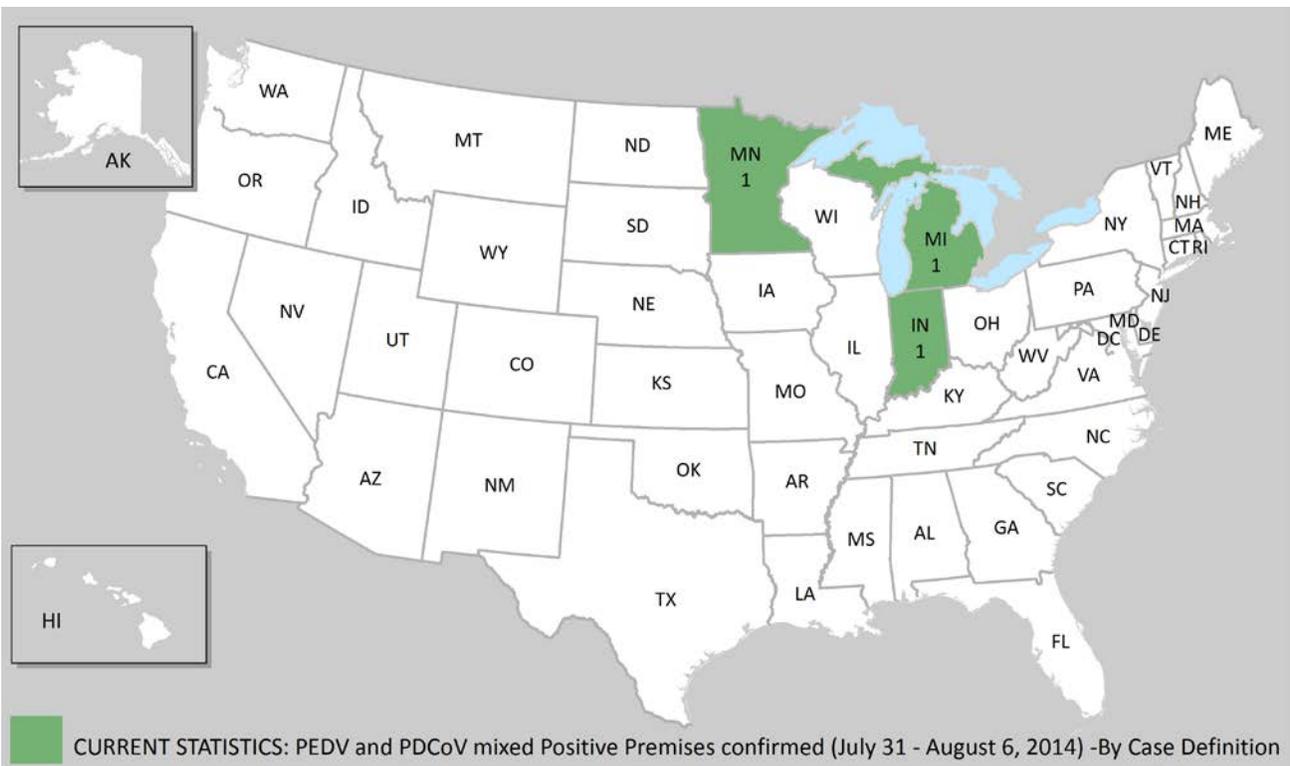
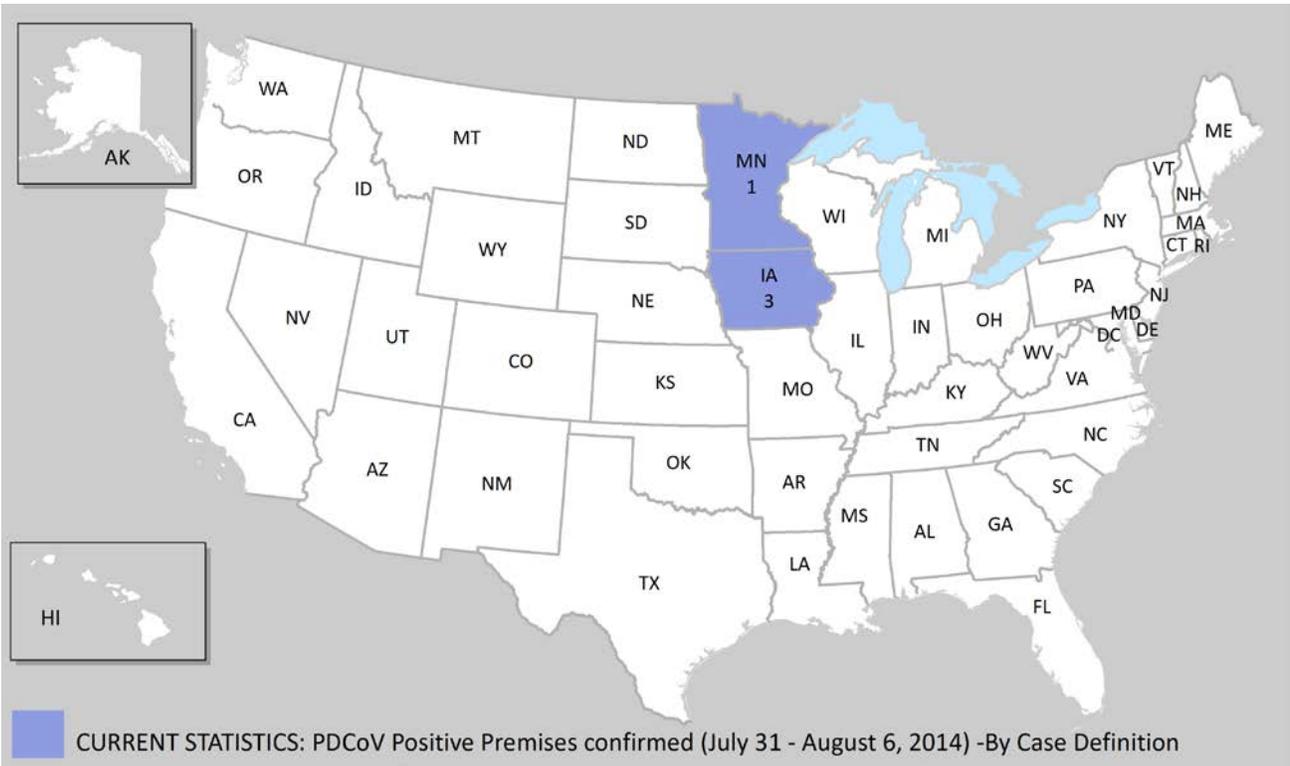
- 1) While verification procedures are providing an accurate location of positive premises, this step can be challenging and is quite different than gathering voluntary surveillance data. For instance, we have identified a number of accessions with an incorrect State of origin listed on the lab submission/LMS result. These are reflected in Assigned LMS accessions and have been sent to submitters for verification. We continue to improve communications and processes with submitters and animal health officials to reduce the verification turnaround time.

**CURRENT STATISTICS: SECD Positive Premises Confirmed (July 31 – Aug 6, 2014) by Case Definition**

State	PEDV Confirmed Positive Premise	PDCoV Confirmed Positive Premises	PEDV and PDCoV Mixed infection Confirmed Positive Premises	SECD Confirmed Positive Premises Totals	SECD Confirmed Positive Premises with Active Herd Plans Added This Period
IA	10	3	0	13	14
IN	1	0	1	2	2
MI	5	0	1	6	0
MN	2	1	1	4	0
NC	3	0	0	3	3
NE	1	0	0	1	0
OH	1	0	0	1	1
OK	0	0	0	0	2
TX	1	0	0	1	1
WY	1	0	0	1	1
<b>Totals</b>	<b>25</b>	<b>4</b>	<b>3</b>	<b>32</b>	<b>24</b>

**MAPS – Current Statistics**





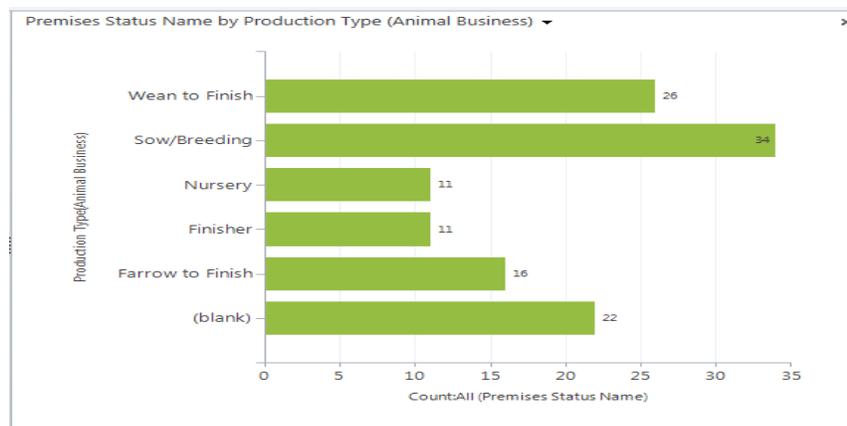
**CUMULATIVE STATISTICS: SECD Positive Premises Confirmed (June 5 – Aug 6, 2014) by Case Definition**

State	PEDV Confirmed Positive Premises	PDCoV Confirmed Positive Premises	PEDV and PDCoV mixed infection Confirmed Positive	SECD Confirmed Positive Premises Totals	SECD Confirmed Positive Premises with Active Herd Plans
CA	0	0	1	1	0
IA	33	4	0	37	18
IL	7	0	0	7	7
IN	1	0	1	2	2
KS	7	0	0	7	3
KY	3	0	0	3	1
MI	5	0	3	8	2
MN	2	1	1	4	0
NC	7	0	0	7	3
NE	5	1	0	6	2
OH	9	1	2	12	2
OK	11	0	0	11	8
PA	3	4	0	7	7
SD	5	0	0	5	0
TX	2	0	0	2	1
WY	1	0	0	1	1
<b>Total</b>	<b>101</b>	<b>11</b>	<b>8</b>	<b>120</b>	<b>57</b>

Notes:

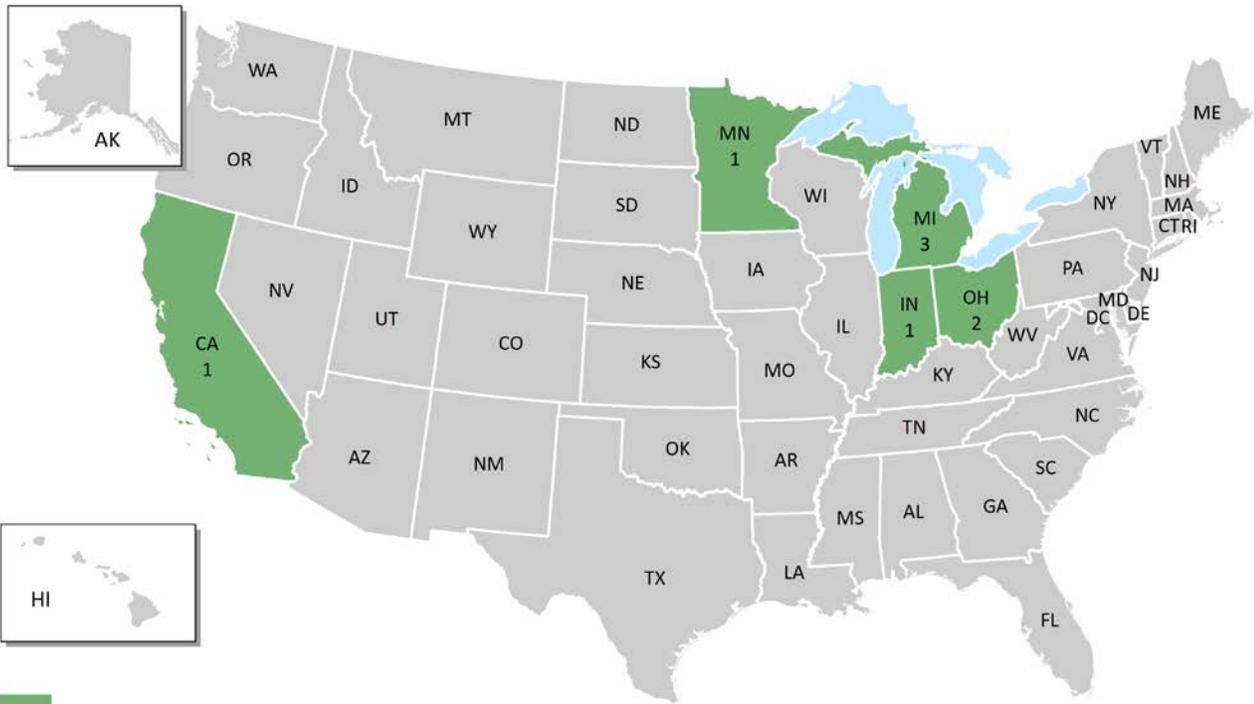
- 1) A MI premises was initially classified as positive for PEDV, but was later reclassified as PEDV + PDCoV when PDCoV was diagnosed. Therefore, the PEDV classification was closed for this premises, and a PEDV + PDCoV classification was created/opened.
- 2) An IA premises was incorrectly classified as positive for PEDV instead of PDCoV, therefore the PEDV count for Iowa was updated to reflect the correction.

**Cumulative Positive Premises by Production Type (n =120)**



Note: "(blank)" indicates some submitters have not yet provided information on positive premises production type





CUMULATIVE STATISTICS: PEDV and PDCoV mixed Positive Premises confirmed (July 31 - August 6, 2014) -By Case Definition