United States Department of Agriculture

Animal and Plant Health Inspection Service

Veterinary Services

Swine Enteric Coronavirus Disease (SECD) Situation Report – Aug 21, 2014

Information current as of 4:30 pm CST, Aug 20, 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

Confirmed Positive Premises

Since the Federal Order was initiated on June 5, 2014, 188 SECD-positive premises have been identified, including 157 premises confirmed positive for porcine epidemic diarrhea virus (PEDV); 16 premises confirmed positive for porcine deltacoronavirus (PDCoV); and 15 premises confirmed for both PEDV and PDCoV. SECD-positive premises have been identified in 17 States.

Status of Laboratory Accessions in EMRS

Cumulative since June 5th, 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.

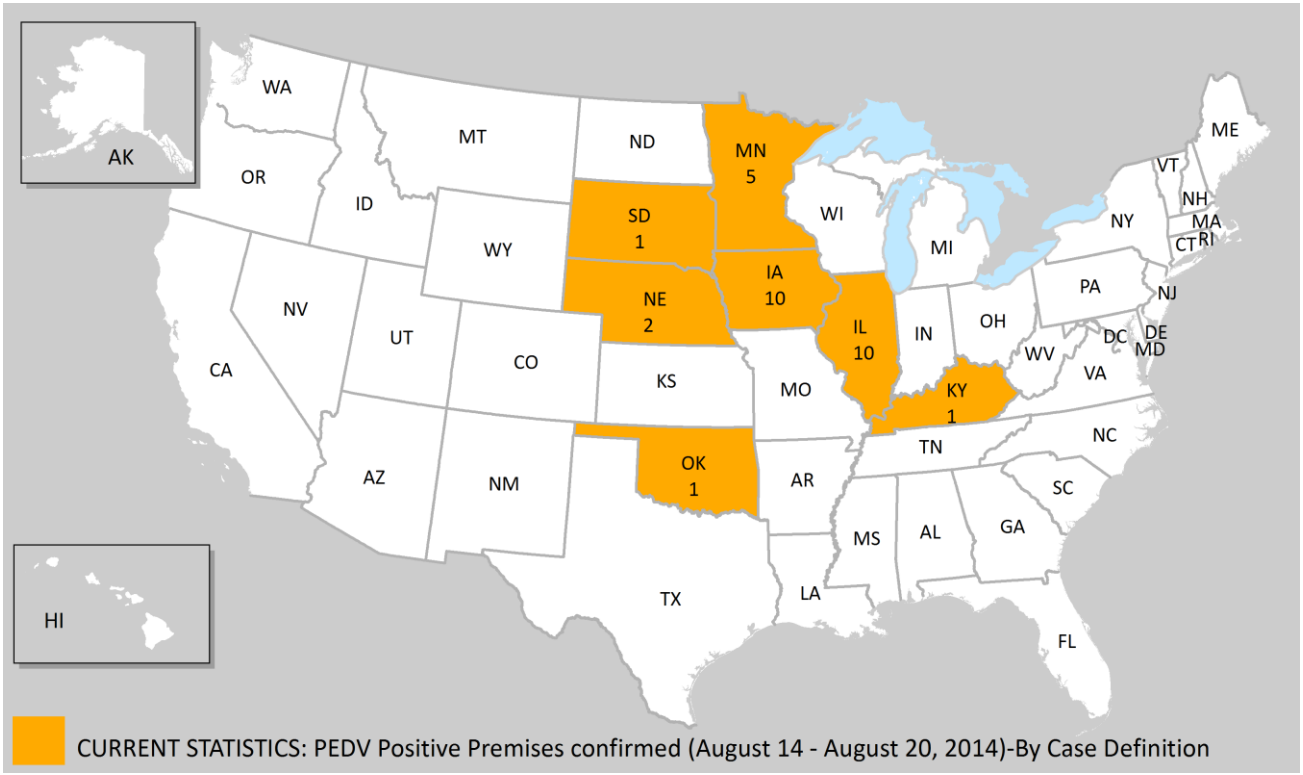
# Positive accessions *Total received in EMRS.*	*Received-pending* *Not yet assigned due to lack of information.*	*Assigned for follow-up* *Field personnel contacting submitters.*	*Verified* *Matched to premises where sampled.*
1,004	113	298	593

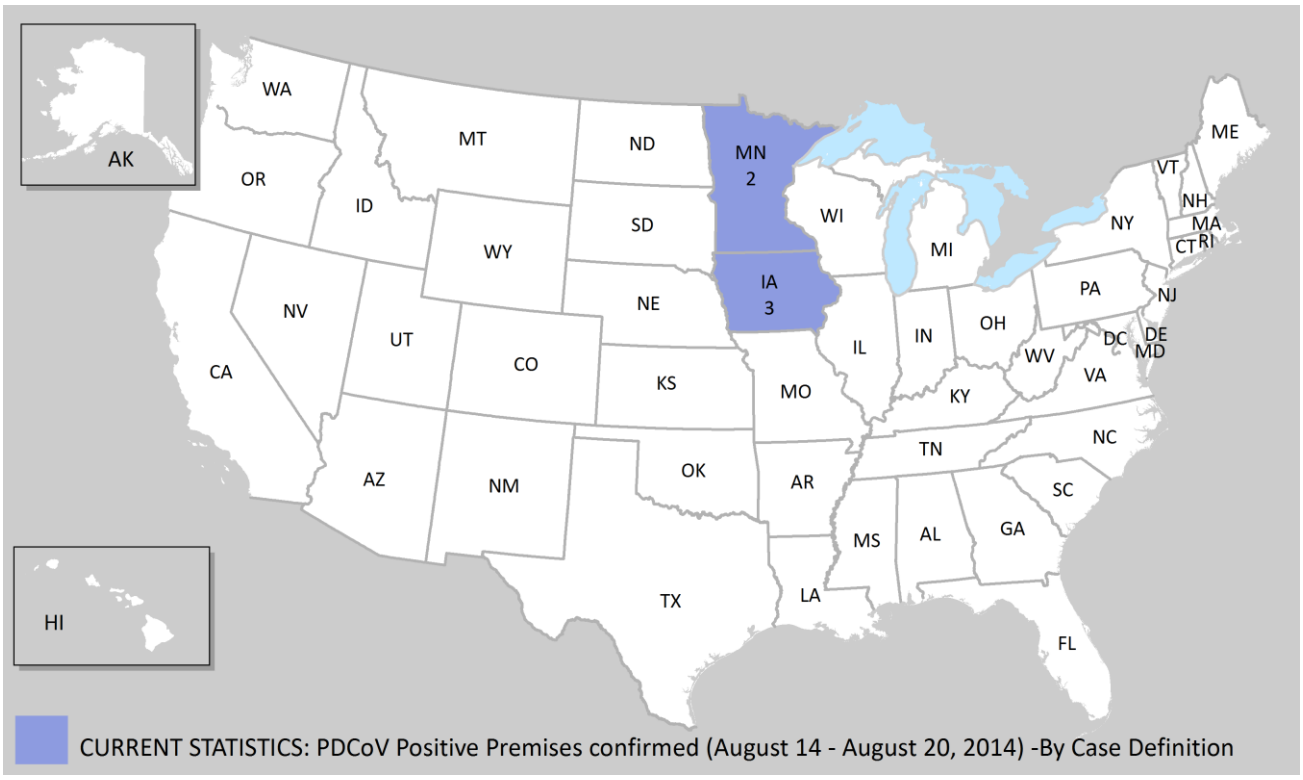
Notes:

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 (Aug 14 – Aug 20, 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	2	15	7
IL	10	0	0	10	9
KY	1	0	0	1	1
MI	0	0	0	0	2
MN	5	2	1	8	5
NE	2	0	0	2	0
OH	0	0	0	0	1
OK	1	0	0	1	1
SD	1	0	0	1	0
Totals	**30**	**5**	**3**	**38**	**26**

MAPS – Current Statistics

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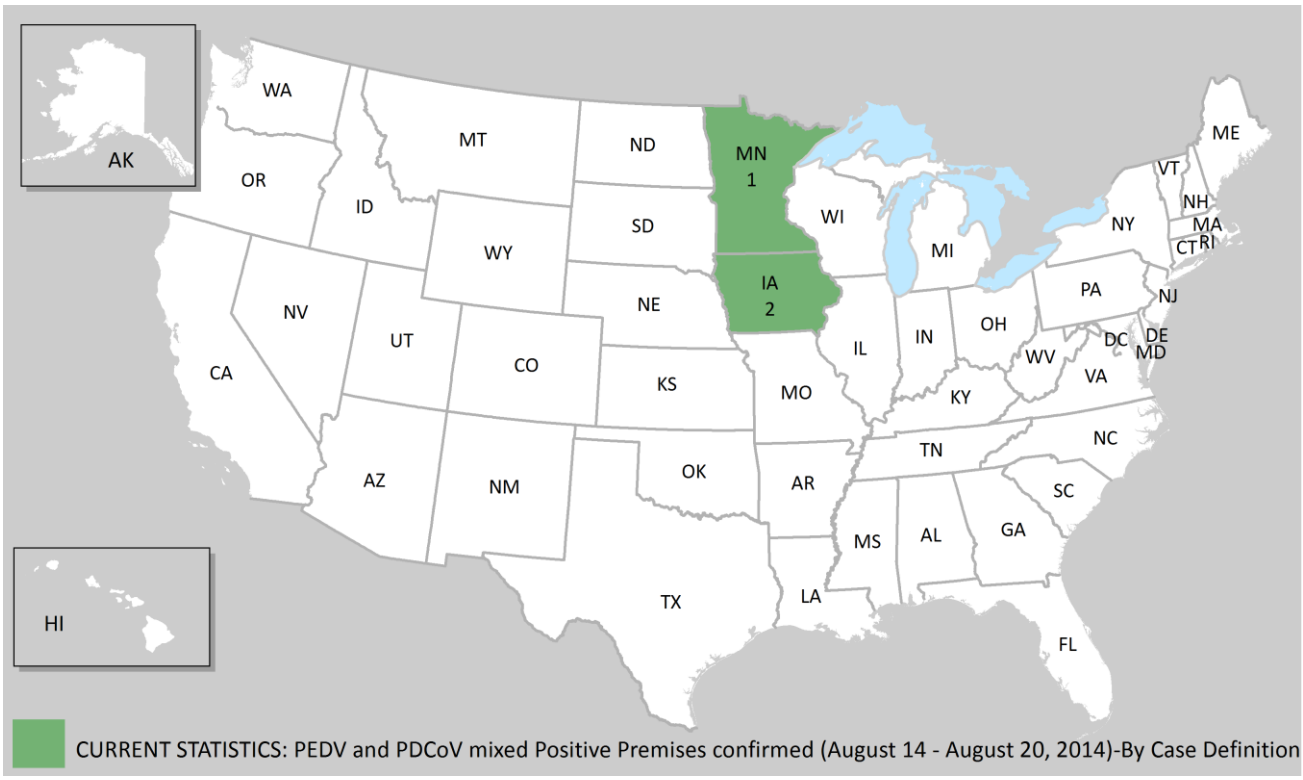
CURRENT STATISTICS: PDCoV Positive Premises confirmed (August 14 - August 20, 2014) -By Case Definition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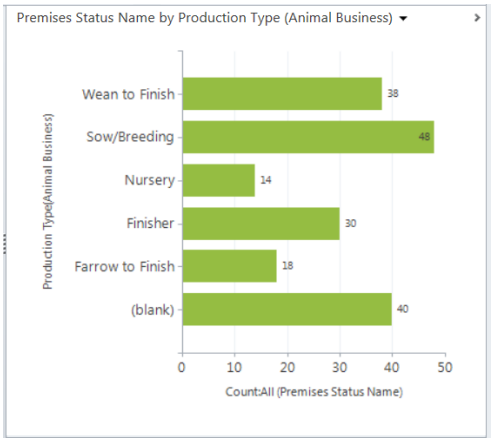
CURRENT STATISTICS: PEDV and PDCoV mixed Positive Premises confirmed (August 14 - August 20, 2014)-By Case Definition

CUMULATIVE STATISTICS: SECD Positive Premises Confirmed (June 5 – Aug 20, 2014) by Case Definition					
State	**PEDV Confirmed Positive Premises**	**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**
CA	0	0	1	1	0
IA	49	7	2	58	27
IL	17	0	0	17	16
IN	1	0	1	2	2
KS	7	0	0	7	3
KY	4	0	0	4	2
MI	5	0	3	8	4
MN	16	3	6	26	7
NC	12	0	0	12	9
NE	9	1	0	10	4
NY	2	0	0	2	2
OH	10	1	2	13	6
OK	13	0	0	13	9
PA	3	4	0	7	7
SD	6	0	0	6	1
TX	2	0	0	2	1
WY	1	0	0	1	1
Total	157	16	15	188	101

Notes:

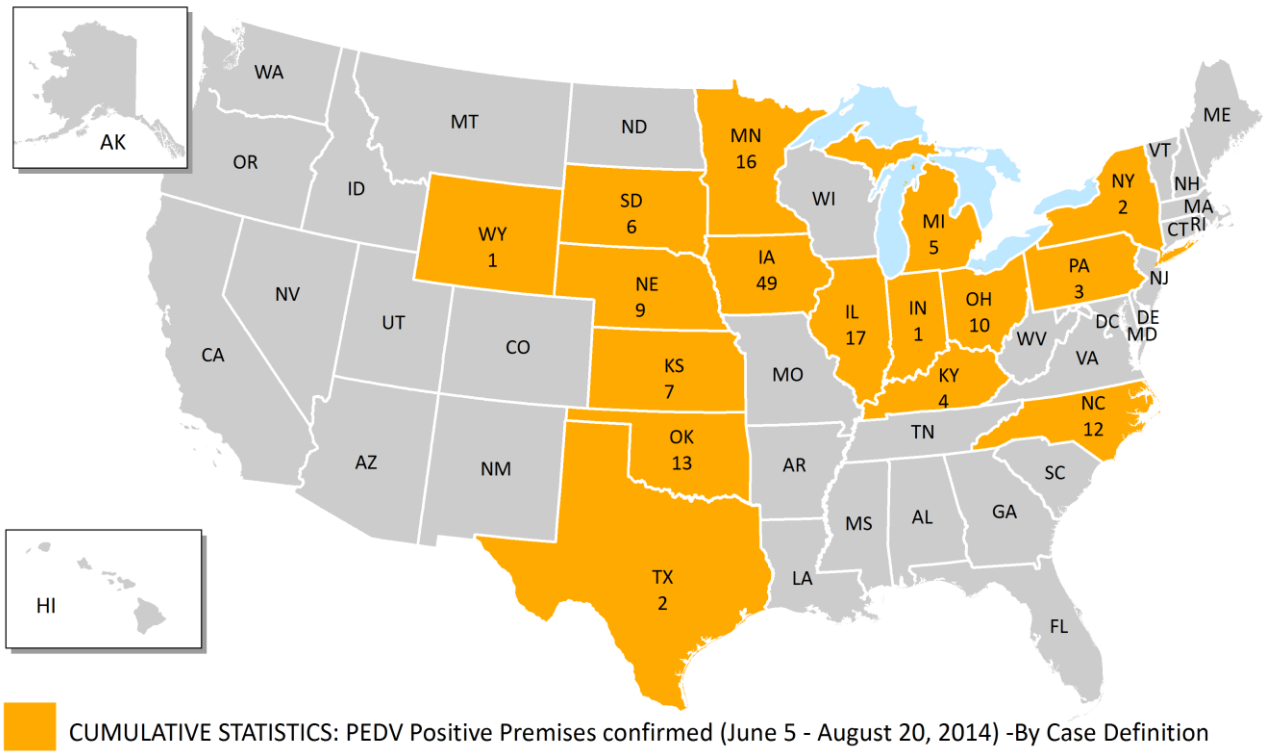
1) There was one Minnesota mixed PED+PDCoV positive premises reported in last week's cumulative statistics as a Confirmed positive, but was updated this week to a Presumptive status, therefore this week's report reflects the corrected information.

Cumulative Positive Premises by Production Type (n =188)

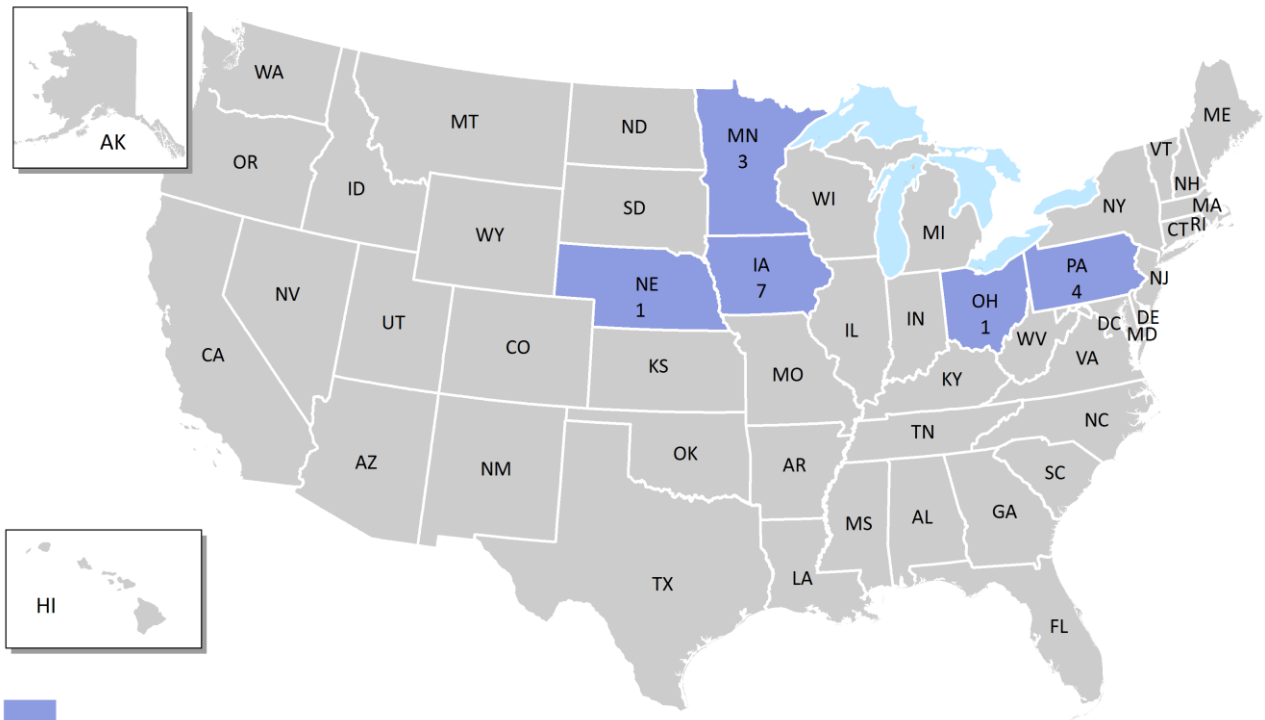


Note: "(blank)" indicates some submitters have not yet provided information on positive premises production type

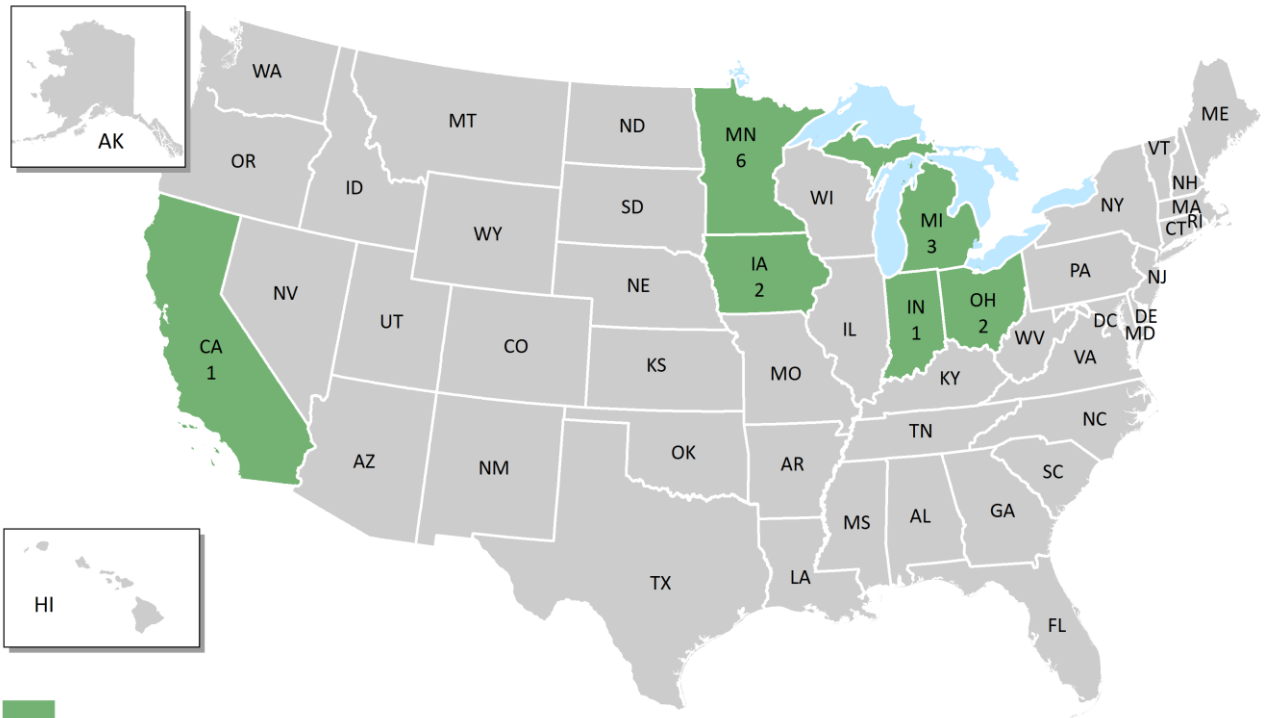
MAPS – Cumulative Statistics



CUMULATIVE STATISTICS: PEDV Positive Premises confirmed (June 5 - August 20, 2014) -By Case Definition



CUMULATIVE STATISTICS: PDCoV Positive Premises confirmed (June 5 - August 20, 2014) -By Case Definition



CUMULATIVE STATISTICS: PEDV and PDCoV mixed Positive Premises confirmed (June 5 - August 20, 2014) -By Case Definition