

AMENDMENT TO 2015 U.S. BWC CBM RETURN

The United States endeavors to make its annual BWC CBM returns complete, accurate and transparent. Pursuant to this goal, the U.S. Government (USG) continually works to improve the process by which information is assembled and reviewed for the CBM. When an error is discovered during this process, the USG will amend the relevant CBM return(s).

ERRATA:

On CBM A, part 2(iii) of the 2015 U.S. BWC CBM return, three facilities inadvertently omitted publications in answer to question 4(ix). The complete list of publications per facility appears below.

Foreign Disease-Weed Science Research Unit

1. Berner, D.K., Lagopodi, A., Kashefi, J., Mukhina, Z., Kolmiets, T., Pankratova, L., Kassanelly, D., Cavin, C.A., Smallwood, E.L. 2014. Field assessment, in Greece and Russia, of the facultative saprophytic fungus, *Colletotrichum salsolae*, for biological control of Russian thistle (*Salsola tragus*). *Biological Control*. 76:114-123.
<http://www.sciencedirect.com/science/article/pii/S1049964414001248>
2. Bonde, M.R., Murphy, C.A., Bauchan, G.R., Luster, D.G., Palmer, C.L., Nester, S.E., Revell, J., Berner, D.K. 2014. Evidence for systemic infection by *Puccinia horiana*, causal agent of Chrysanthemum White Rust, in Chrysanthemum. *Phytopathology*. <http://dx.doi.org/10.1094/PHYTO-09-13-0266-R>.
<http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-09-13-0266-R>
3. Bruckart, W.L., Eskandari, F., Berner, D.K. 2014. Characterization and evaluation of target and host: *Ramularia crupinae*, a candidate for biological control of two varieties of *Crupina vulgaris* in the United States. *Mycoscience*. 71:40-48.
<http://www.sciencedirect.com/science/article/pii/S1049964414000073>
4. Bruckart, W.L., Eskandari, F., Lane, W. 2014. First Report of Leaf Necrosis on *Microstegium vimineum* caused by *Bipolaris microstegii* in Maryland. *Plant Disease*. doi:org/10.1094/PDIS-11-13-1122PDN.
<http://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-11-13-1122-PDN>
5. Melcher, U.K., Verma, R., Schneider, W.L. 2014. Metagenomic search strategies for interactions among plants and multiple microbes. *Frontiers in Plant Science*. DOI: 10.3389/fpls.2014.00268.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4052219/>
6. Murillo-Williams, A., Esker, P.D., Allen, T.W., Stone, C.L., Frederick, R.D. 2014. First report of *Phakopsora pachyrhizi* on soybean in Costa Rica. *Plant Disease*. 99(3)418.
<http://dx.doi.org/10.1094/PDIS-06-14-0646-PDN>
7. Roy, A., Leon, M., Stone, A.L., Schneider, W.L., Hartung, J.S., Bransky, R. 2014. First report of citrus leprosis virus nuclear type in Colombia. *Plant Disease*. 98:1162.
<http://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-02-14-0117-PDN>
8. Stobbe, A.H., Schneider, W.L., Hoyt, P., Melcher, U. 2014. Screening metagenomic data for viruses using the E-Probe Diagnostic Nucleic Acid Assay (EDNA). *Phytopathology*. 104:1125-1129.
<http://apsjournals.apsnet.org/doi/abs/10.1094/PHYTO-11-13-0310-R>
9. Tooley, P.W., Browning, M.E., Leighty, R.M. 2014. Effects of inoculum density and wounding on stem infection of three Eastern U.S. forest species by *Phytophthora ramorum*. *Journal of Phytopathology*. 162:683-689 (2014) - doi: 10.1111/jph.12251.
<http://onlinelibrary.wiley.com/doi/10.1111/jph.12251/full>

10. Tooley, P.W., Browning, M.E., Leighty, R.M. 2014. The effect of temperature on germination of chlamydospores of *Phytophthora ramorum*. *Mycologia*. 106:424-430.
<http://www.mycologia.org/content/106/3/424.short>
11. Tunali, B., Cavin, C.A., Berner, D.K. 2014. First report of leaf spot of *Convolvulus arvensis* caused by *Phoma macrostoma* var. *macrostoma* in Turkey. *Journal of Plant Pathology*. 96:434.
<http://www.cabdirect.org/abstracts/20143245035.html;jsessionid=F867B86FDF250F8DF88AA3C6CB3EFE58>
12. Widmer, T.L. 2014. Screening *Trichoderma* species for biological control activity against *Phytophthora ramorum* in soil. *Biological Control*. 79:43-48.
<http://www.sciencedirect.com/science/article/pii/S1049964414001625>

National Animal Disease Center

1. Bannantine, J.P., Bayles, D.O., Robbe-Austerman, S., Burrell, A.M., Stabel, J.R. 2014. Draft genome sequence of a *Mycobacterium avium* complex isolate from a broadbill bird. *Genome Announcements*. 2(1):1.
<http://genomea.asm.org/content/2/1/e01268-13.short>
2. Bannantine, J.P., Hines II, M.E., Bermudez, L.E., Talaat, A.M., Sreevatsan, S., Stabel, J.R., Chang, Y., Coussens, P.M., Barletta, R.G., Davis, W.C., Collins, D.M., Grohn, Y.T., Kapur, V. 2014. A rational framework for evaluating the next generation of vaccines against *Mycobacterium avium* subspecies paratuberculosis. *Frontiers in Cellular and Infection Microbiology*. 4:126. Available:
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4158869/pdf/fcimb-04-00126.pdf>.
3. Bannantine, J.P., Li, L., Mwangi, M., Cote, R., Garay, J.A., Kapur, V. 2014. Complete genome sequence of *Mycobacterium avium* subsp. paratuberculosis, isolated from human breast milk. *Genome Announcements*. 2(1):1-2.
<http://genomea.asm.org/content/2/1/e01252-13.short>
4. Bauermann, F.V., Falkenberg, S.M., Vander Ley, B.D., Decaro, N., Brodersen, B.W., Harmon, A., Hessman, B., Flores, E.F., Ridpath, J.F. 2014. Generation of calves persistently infected with HoBi-like pestivirus and comparison of methods for detection of these persistent infections. *Journal of Clinical Microbiology*. 52(11):3845-3852. DOI: 10.1128/JCM.01563-14.
<http://jcm.asm.org/content/52/11/3845.short>
5. Bauermann, F.V., Flores, E.F., Falkenberg, S.M., Ridpath, J.F. 2014. Lack of evidence for the presence of emerging HoBi-like viruses in North American fetal bovine serum lots. *Journal of Veterinary Diagnostic Investigation*. 26(1):10-17. DOI: 10.1177/1040638713518208.
<http://vdi.sagepub.com/content/early/2014/01/10/1040638713518208.abstract>
6. Behr, M., Waters, W.R. 2014. Is tuberculosis a lymphatic disease with a pulmonary portal. *Lancet Infectious Diseases*. 14(3):250-255.
<http://www.sciencedirect.com/science/article/pii/S1473309913702536>
7. Bradner, L., Robbe-Austerman, S., Beitz, D.C., Stabel, J.R. 2014. Short communication: Application of an N-acetyl-L-cysteine-NaOH decontamination method for the recovery of viable *Mycobacterium avium* subsp. paratuberculosis from milk of naturally infected cows. *Journal of Dairy Science*. 97(6):3694-3699.
<http://www.sciencedirect.com/science/article/pii/S0022030214002136>
8. Brockmeier, S.L., Register, K.B., Kuehn, J.S., Nicholson, T.L., Loving, C.L., Shore, S.M., Phillips, G.J. 2014. Virulence and draft genome sequence overview of multiple strains of the swine pathogen *Haemophilus parasuis*. *PLoS ONE*. 9(8):e103787.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0103787>
9. Buehler, J., Lager, K., Vincent, A., Miller, C., Thacker, E., Janke, B. 2014. Issues encountered in development of enzyme-linked immunosorbent assay for use in detecting influenza A virus subtype H5N1 exposure in swine. *Journal of Veterinary Diagnostic Investigation*. 26(2):277-281.
<http://vdi.sagepub.com/content/early/2014/01/24/1040638713518775.abstract>

10. Chen, Q., Li, G., Stasko, J., Thomas, J.T., Stensland, W.R., Pillatzki, A.E., Gauger, P.C., Schwartz, K.J., Madson, D., Yoon, K.J., Stevenson, G.W., Burrough, E.R., Harmon, K.M., Main, R.G., Zhang, J. 2014. Isolation and characterization of porcine epidemic diarrhea viruses associated with the 2013 disease outbreak among swine in the United States. *Journal of Clinical Microbiology*. 52(1):234-243.
<http://jcm.asm.org/content/52/1/234.short>
11. Deaton, M.K., Spear, A., Faaberg, K.S., Pegan, S.D. 2014. The vOTU domain of highly-pathogenic porcine reproductive and respiratory syndrome virus displays a differential substrate preference. *Virology*. 454-455:247-253.
<http://www.sciencedirect.com/science/article/pii/S0042682214000798>
12. Ellis, C., Stahl, R., Nol, P., Waters, W.R., Palmer, M.V., Rhyan, J.C., VerCauteren, K., McCollum, M., Salman, M.D. 2014. A pilot study exploring the use of breath analysis to differentiate healthy cattle from cattle experimentally infected with *Mycobacterium bovis*. *PLoS One*. 9(2):e89280.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0089280>
13. Falkenberg, S.M., Johnson, C., Bauermann, F.V., McGill, J.L., Palmer, M.V., Sacco, R.E., Ridpath, J.F. 2014. Changes observed in the thymus and lymph nodes 14 days after exposure to BVDV field strains of enhanced or typical virulence in neonatal calves. *Veterinary Immunology and Immunopathology*. 160(1-2):70-80. DOI: 10.1016/j.vetimm.2014.03.018.
<http://www.sciencedirect.com/science/article/pii/S0165242714000932>
14. Falkenberg, S.M., Ridpath, J.F., Vander Ley, B., Bauermann, F.V., Carroll, J.A. 2014. Comparison of temperature fluctuations at multiple anatomical locations in cattle during exposure to bovine viral diarrhea virus. *Livestock Science*. 164(2014):159-167. DOI:10.1016/j.livsci.2014.03.018.
<http://www.sciencedirect.com/science/article/pii/S187114131400170X>
15. Fulton, R.W., Herd, H.R., Sorensen, N.J., Confer, A.W., Ritchey, J.W., Ridpath, J.F., Burge, L.J. 2014. Enteric disease in postweaned beef calves associated with a Bovine coronavirus clade 2. *Journal of Veterinary Diagnostic Investigation*. 27(1):97-101. DOI: 1177/1040638714559026.
<http://vdi.sagepub.com/content/27/1/97.short>
16. Gauger, P.C., Loving, C.L., Khurana, S., Lorusso, A., Perez, D.R., Kehrli, Jr., M.E., Roth, J.A., Golding, H., Vincent, A.L. 2014. Live attenuated influenza A virus vaccine protects against A(H1N1)pdm09 heterologous challenge without vaccine associated enhanced respiratory disease. *Virology*. 471-473:93-104.
<http://www.sciencedirect.com/science/article/pii/S0042682214004504>
17. Greenlee, J.J., Kunkle, R.A., Richt, J.A., Nicholson, E.M., Hamir, A.N. 2014. Lack of prion accumulation in lymphoid tissues of PRNP ARQ/ARR sheep intracranially inoculated with the agent of scrapie. *PLoS One*. 9(9):e108029.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0108029>
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19. Hemann, E.A., McGill, J.L., Legge, K.L. 2014. Chronic ethanol exposure selectively inhibits the influenza-specific CD8 T cell response during influenza A virus infection. *Alcoholism: Clinical and Experimental*. 38(9):2403-2413. DOI: 10.1111/acer.12522.
[http://www.alcoholjournal.org/article/S0741-8329\(13\)00134-1/abstract](http://www.alcoholjournal.org/article/S0741-8329(13)00134-1/abstract)
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<http://bmcmicrobiol.biomedcentral.com/articles/10.1186/1471-2180-14-48>
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<http://bmcresnotes.biomedcentral.com/articles/10.1186/1756-0500-7-559>
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