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Supplemental Appendix: Figures and Table

List of Supplemental Figures and Table

Figure S1. Human West Nile neuroinvasive disease in North Carolina (by age), 2008-2018.

Figure S2. A) Status (survived or died) for human West Nile neuroinvasive disease in North Carolina, 2008-2018. B) Status (survived or died) for human Eastern equine encephalitis in North Carolina, 2008-2018.

Figure S3. Human Eastern equine encephalitis in North Carolina (by age), 2008-2018.

Figure S4. A) Veterinary Eastern equine encephalitis and West Nile encephalitis in North Carolina (by month), 2008-2018; B) Human West Nile neuroinvasive disease and Eastern equine encephalitis in North Carolina (by month), 2008-2018.

Figure S5. Number of biting mosquitoes reported at the farm during summer months of June-August.

Figure S6. How do you protect your horses from mosquito bites?

Figure S7. I am concerned about the health of my horses related to mosquito-borne illnesses when I am working at the farm.

Figure S8. Mosquitoes are a nuisance when I am working on the farm (black bar); I am concerned about my health related to mosquito-borne illnesses when I am working at the farm (white bar); Mosquitoes keep me from enjoying time outside at the farm (grey bar).

Table S1. NC counties reporting equine cases of Eastern equine encephalitis and/or West Nile encephalitis 2008-2018.

Figure S1. Human West Nile neuroinvasive disease in North Carolina (by age), 2008-2018.

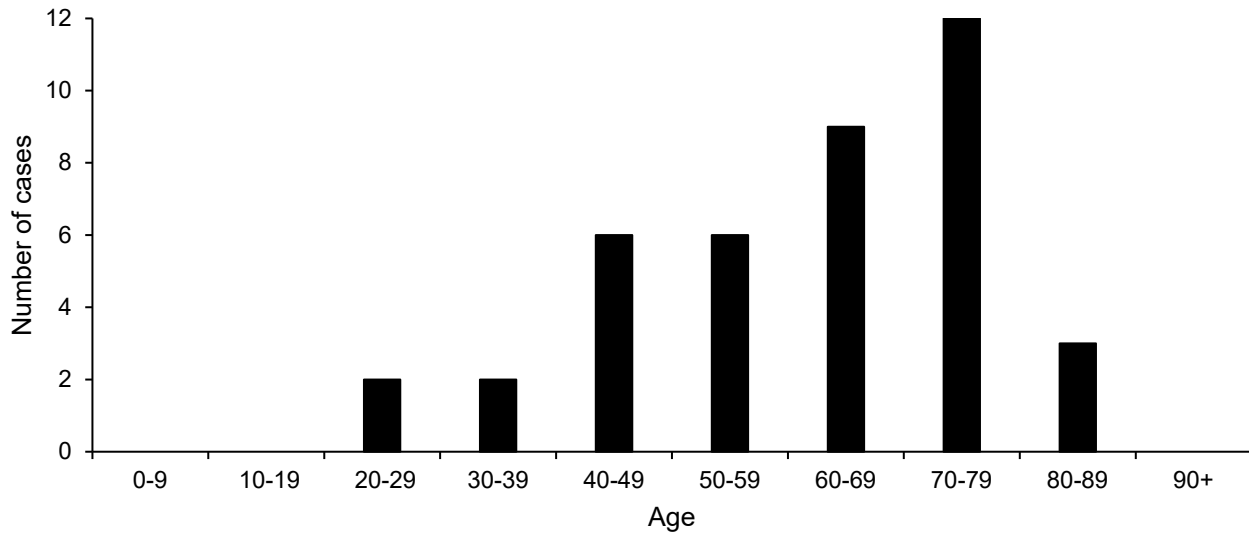


Figure S2. A) Status (survived or died) from human West Nile neuroinvasive disease in North Carolina, 2008-2018. B) Status (survived or died) from human Eastern equine encephalitis in North Carolina, 2008-2018.

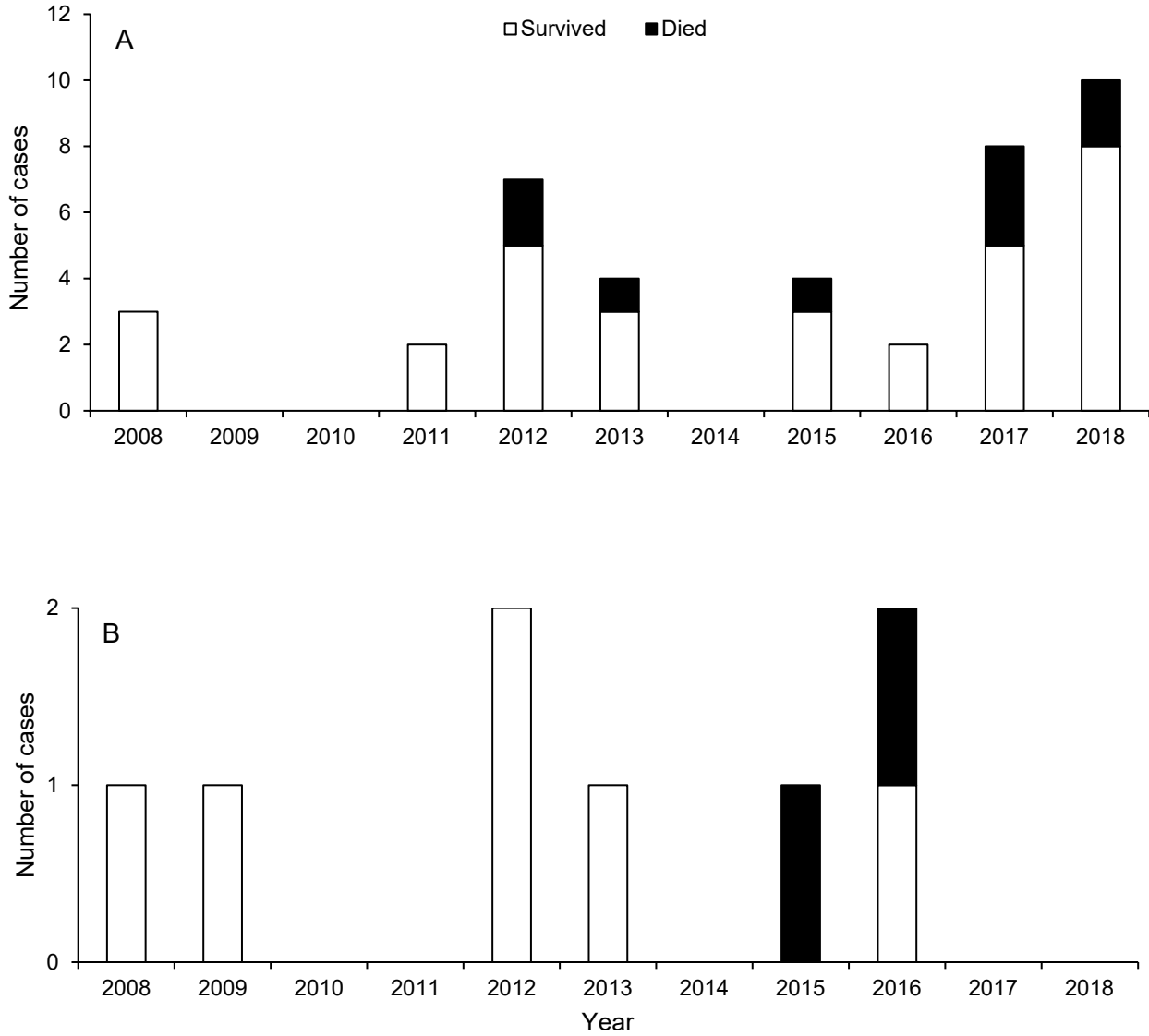


Figure S3. Human Eastern equine encephalitis in North Carolina (by age), 2008-2018.

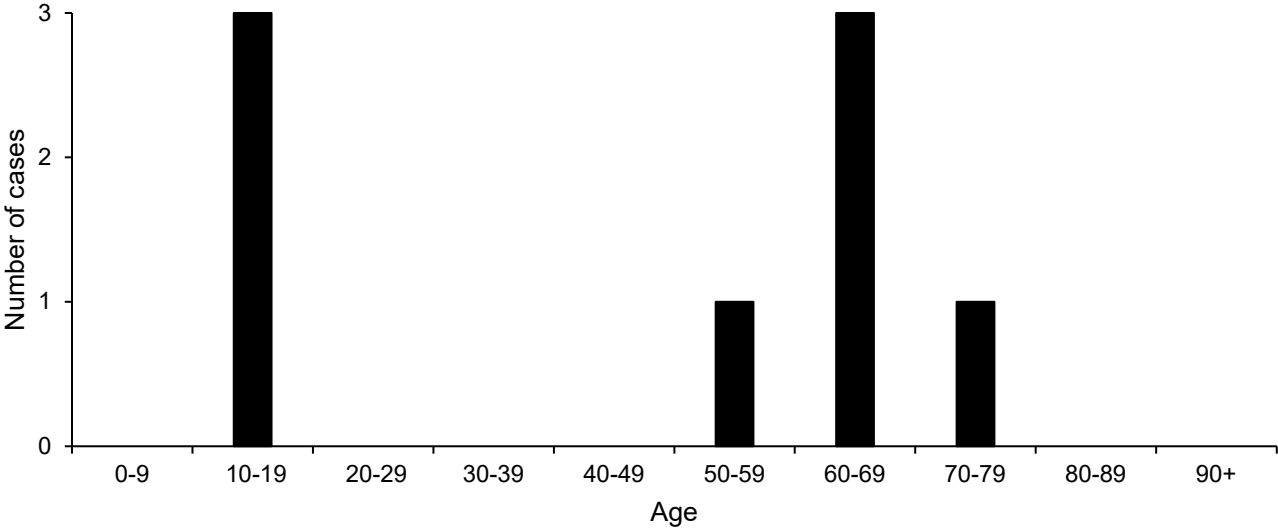


Figure S4. A) Veterinary Eastern equine encephalitis (black bar) and West Nile encephalitis (white bar) in North Carolina (by month), 2008-2018; B) Human Eastern equine encephalitis (black bar) and West Nile neuroinvasive disease (white bar) in North Carolina (by month), 2008-2018

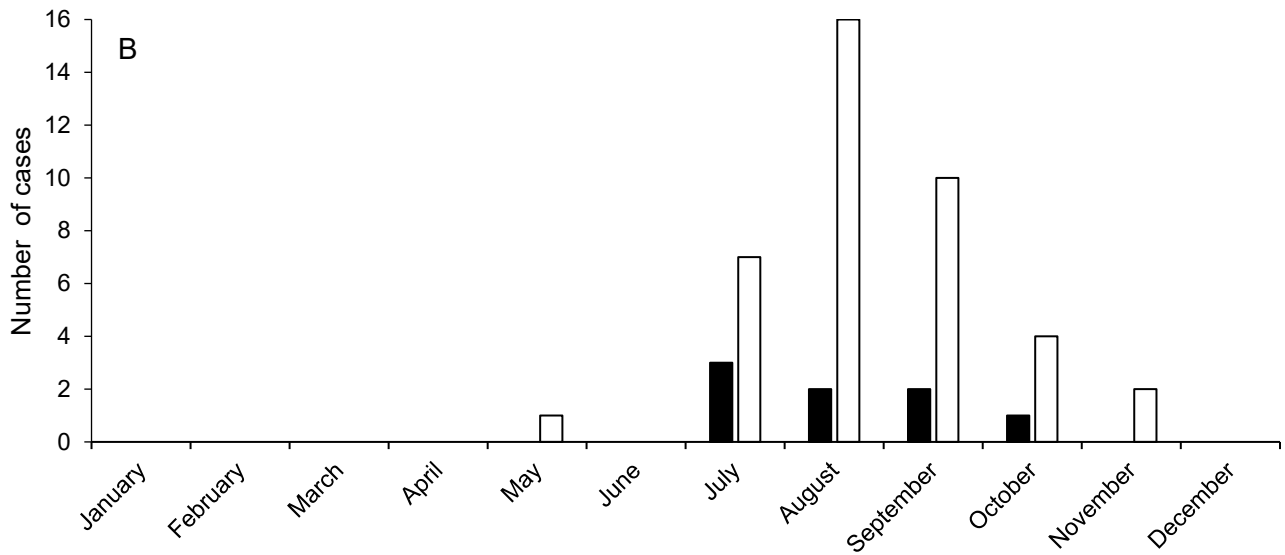
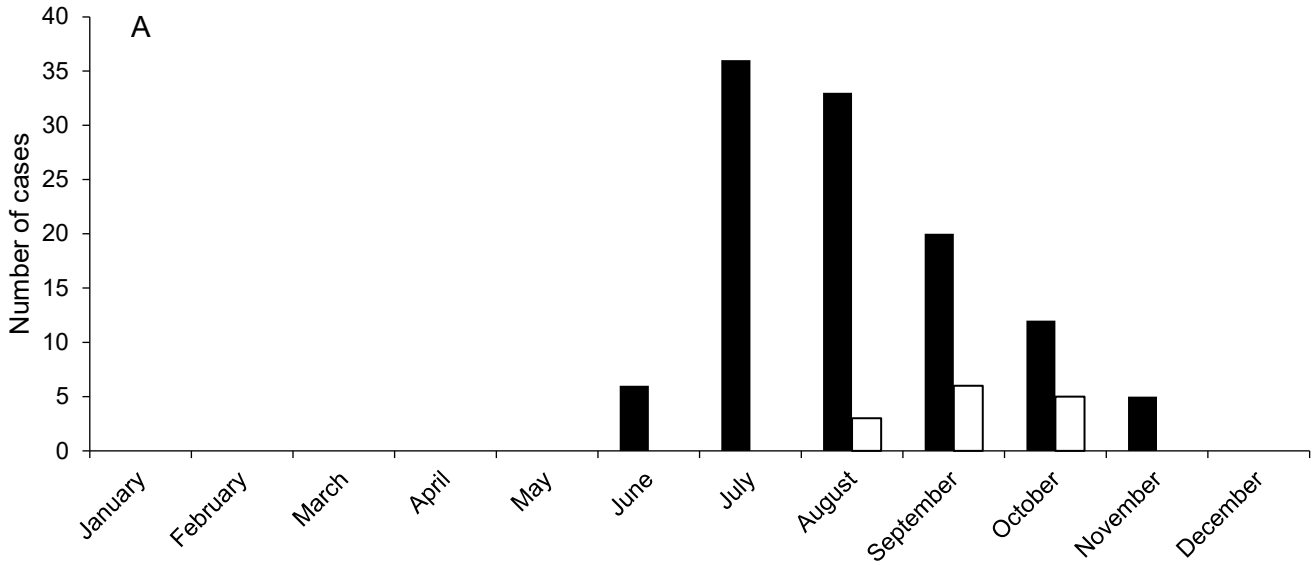


Figure S5. Number of biting mosquitoes reported at the farm during summer months of June-August.

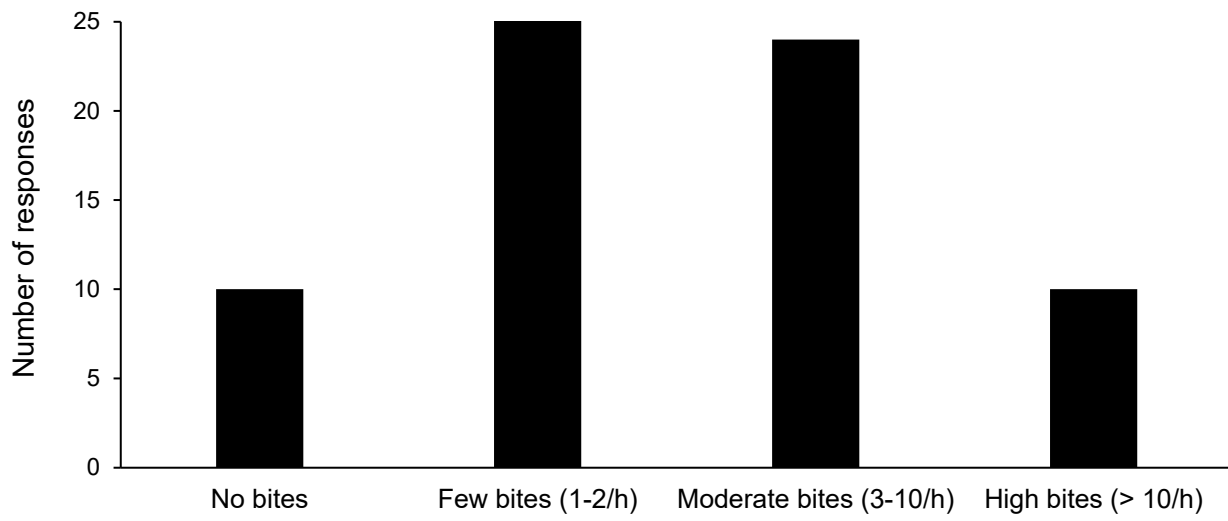
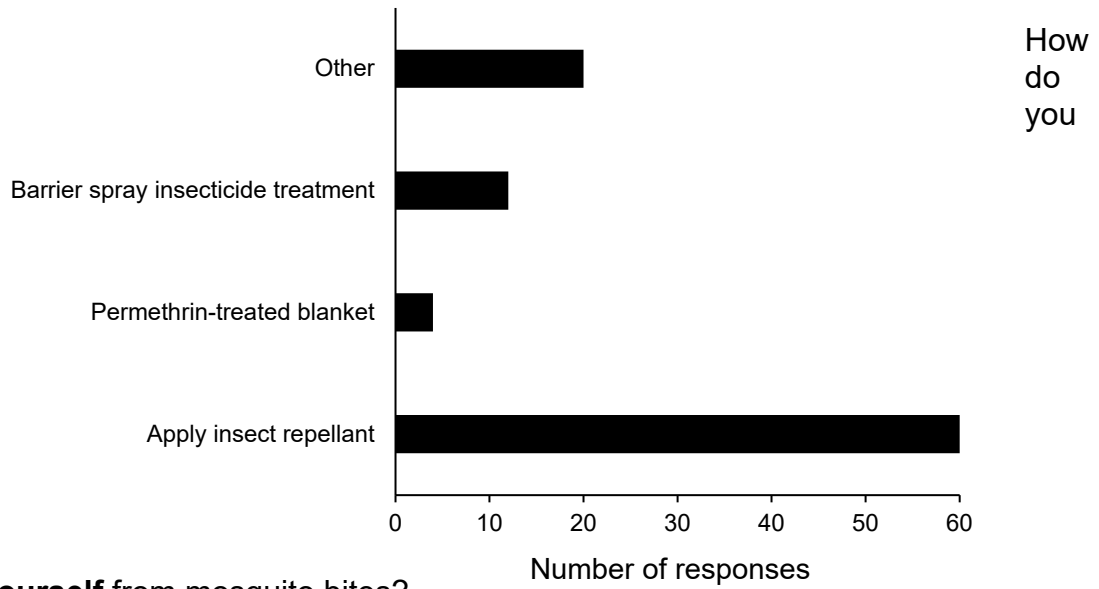


Figure S6.

How do you protect your **horses** from mosquito bites?

A



protect **yourself** from mosquito bites?

B

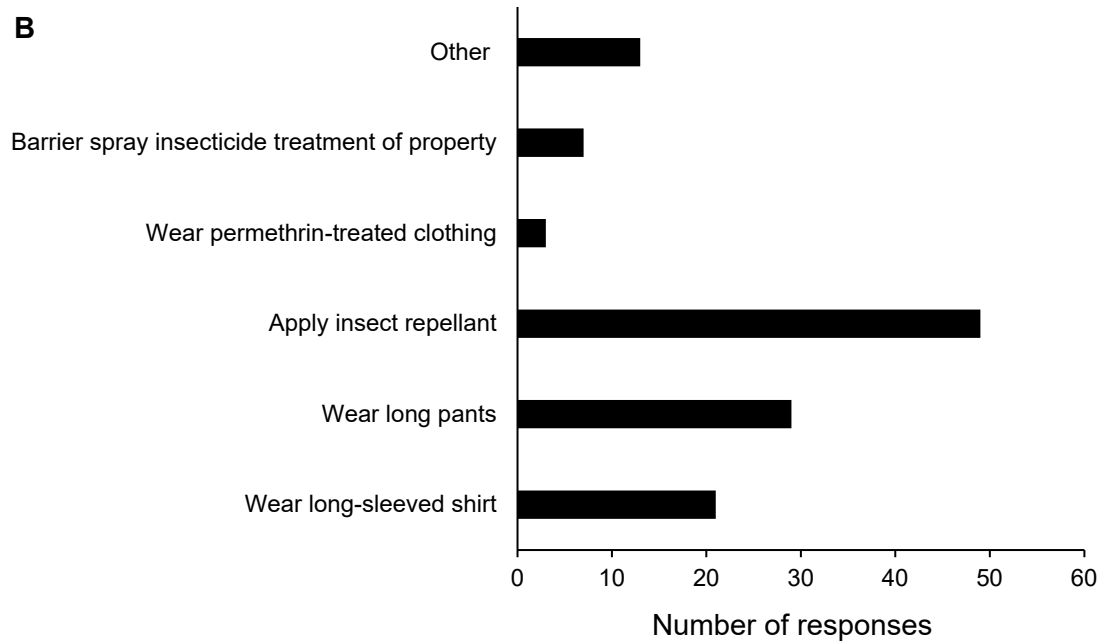


Figure S7. I am concerned about the health of my horses related to mosquito-borne illnesses when I am working at the farm.

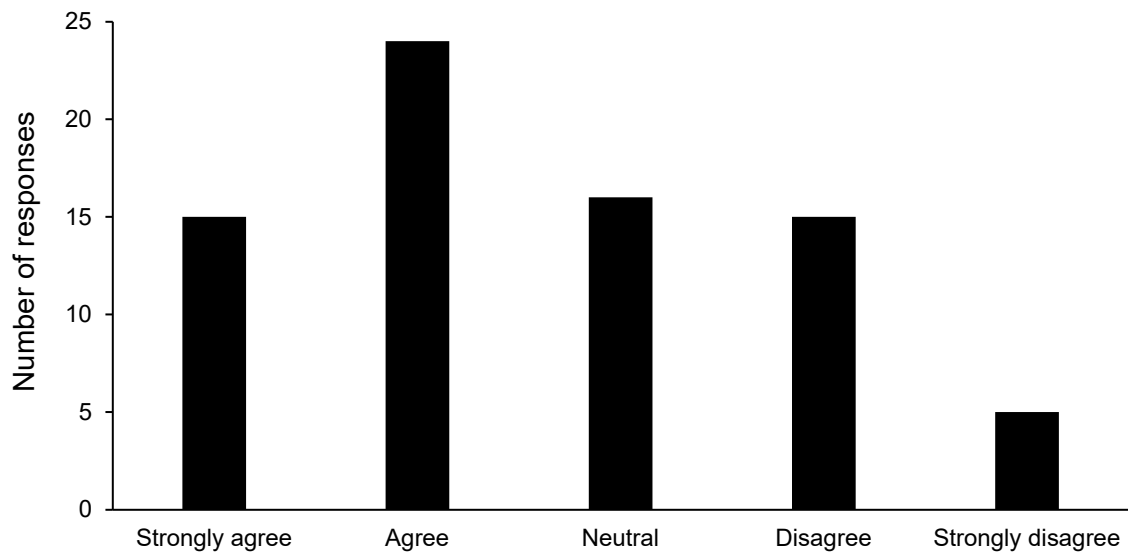


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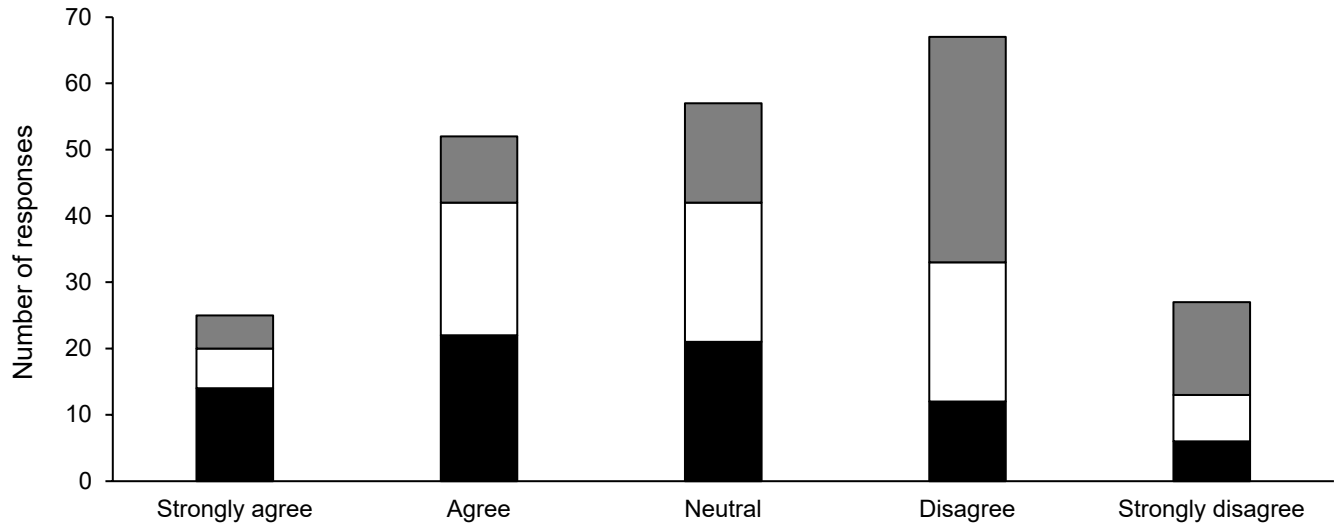


Table S1. NC counties reporting equine cases of Eastern equine encephalitis and/or West Nile encephalitis 2008-2018.

Year	Counties (Number of Counties)
2008	Cumberland, Harnett, Johnston, Richmond, Robeson, Sampson, Wayne (N=7)
2009	Beaufort, Bladen, Carteret, Columbus, Craven, Currituck, Gates, Harnett, Jones, Pasquotank, Polk, Robeson, Scotland, Washington, Wilson (N=15)
2010	Beaufort, Columbus, Hoke, Robeson, Richmond (N=5)
2011	Halifax, Pender (N=2)
2012	Bladen, Brunswick, Carteret, Columbus, Cumberland, Durham, Harnett, Onslow, Pitt, Richmond, Robeson, Sampson (N=12)
2013	Bladen, Brunswick, Columbus, Cumberland, Pender, Sampson (N=6)
2014	Bladen, Brunswick, Carteret, Lenoir, Martin, New Hanover, Onslow (N=7)
2015	Craven, Cumberland, Onslow, Scotland (N=4)
2016	Pitt (N=1)
2017	Bladen, Cabarrus, Onslow, Sampson (N=4)
2018	Carteret, Craven, Duplin, Onslow, Richmond (N=5)