

White, A.V., Berl, E., Williams, C., Doyle, M., Smith, D.M., Byrd, B.D., Reiskind, M.H., & Richards, S.L. (2022). Horse owner practices and equine and human arboviral encephalitis in North Carolina. *Journal of Environmental Health*, 84(7), 20–26.

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

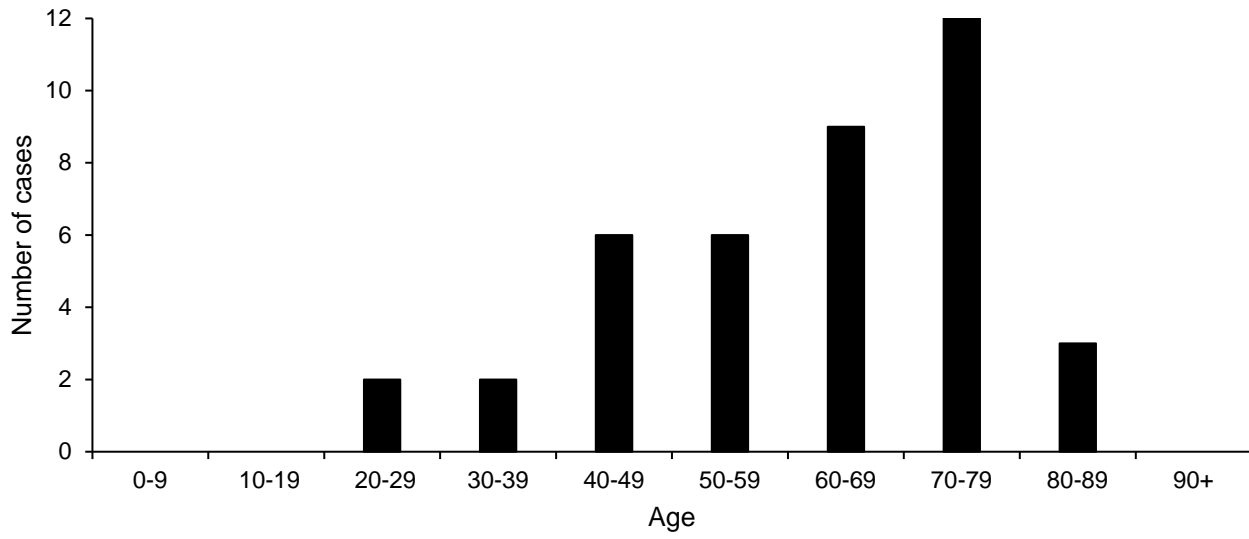


Figure S2. A) Status (survived or died) from human West Nile neuroinvasive disease in North Carolina, 2008-2018. B) Status (survived or died) from human Eastern equine encephalitis in North Carolina, 2008-2018.

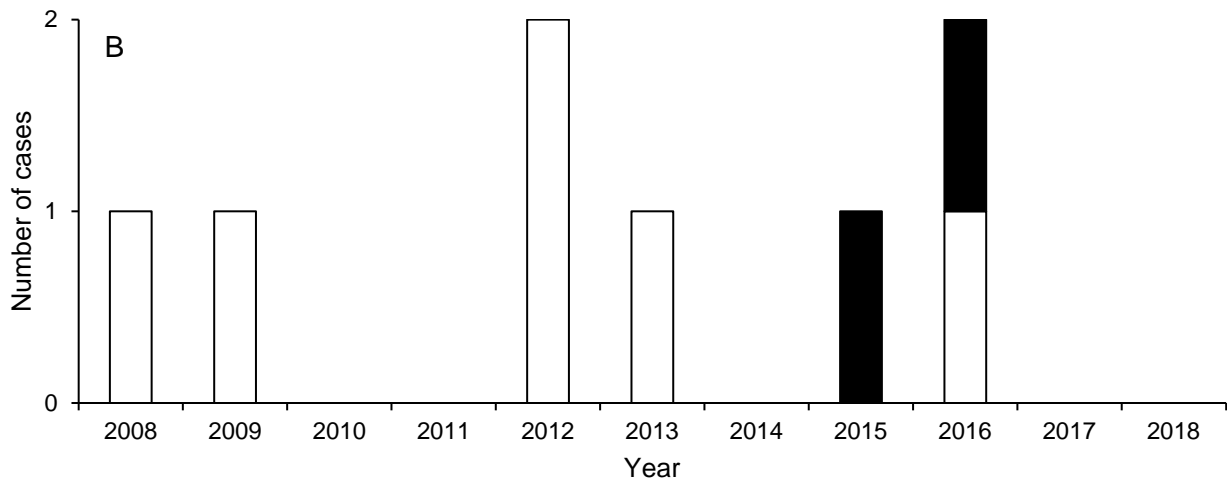
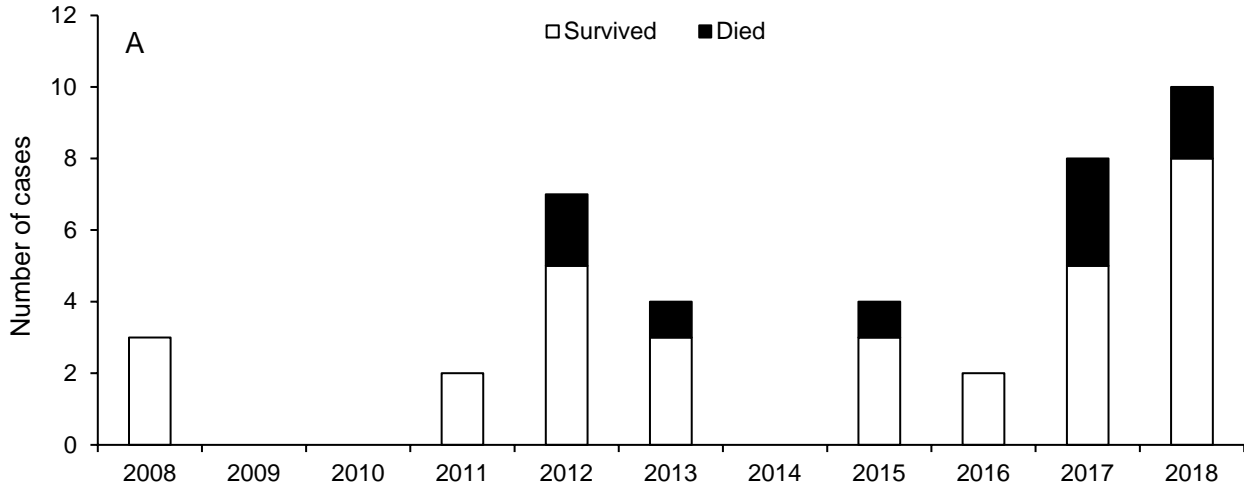


Figure S3. Human Eastern equine encephalitis in North Carolina (by age), 2008-2018.

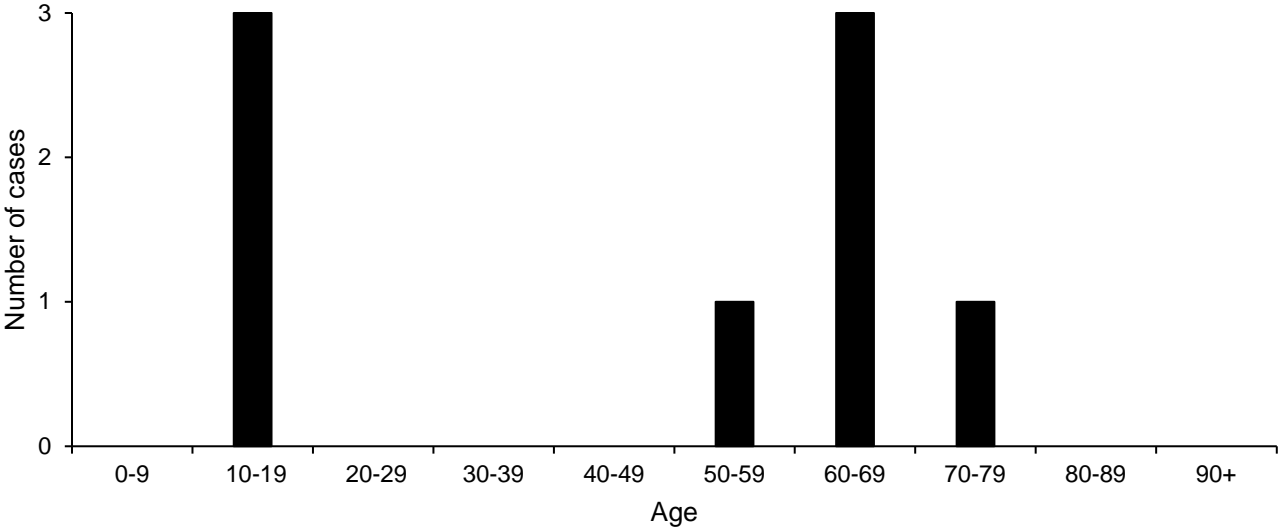


Figure S5. Number of biting mosquitoes reported at the farm during summer months of June-August.

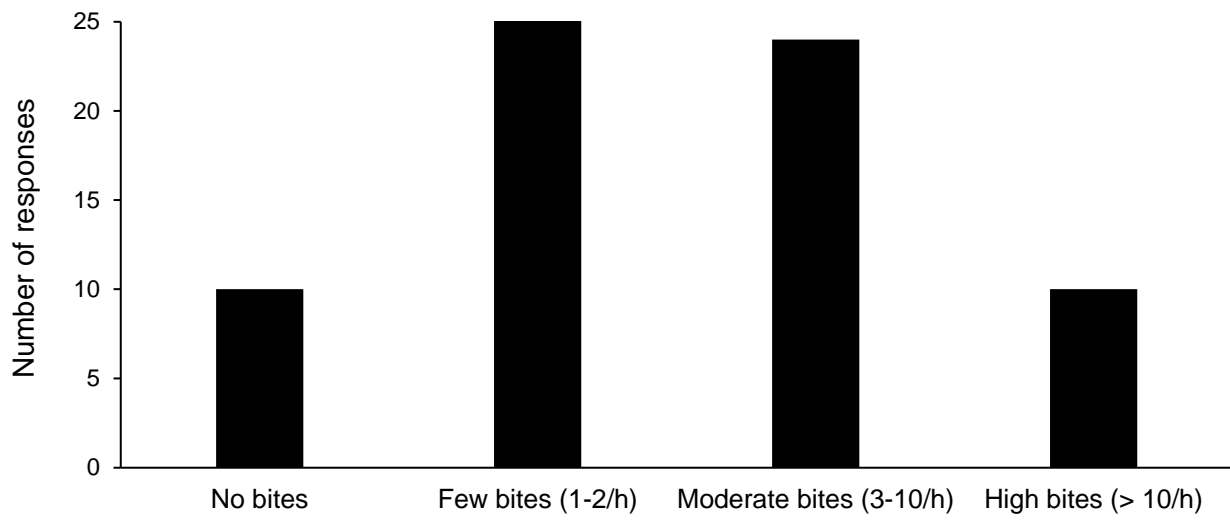
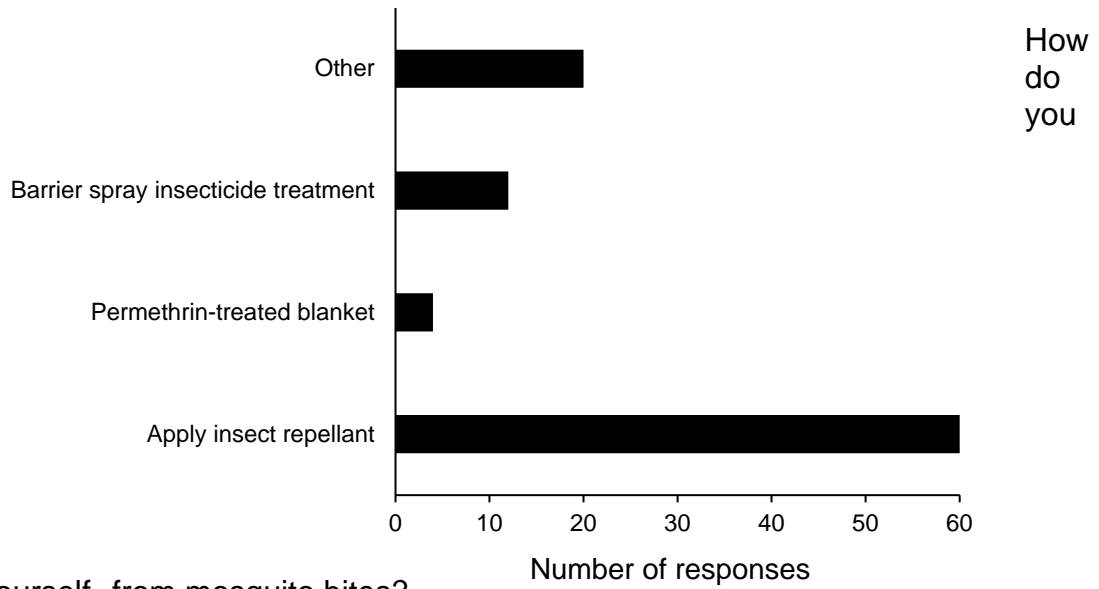


Figure S6.

How do you protect your horses from mosquito bites?

A



protect yourself from mosquito bites?

B

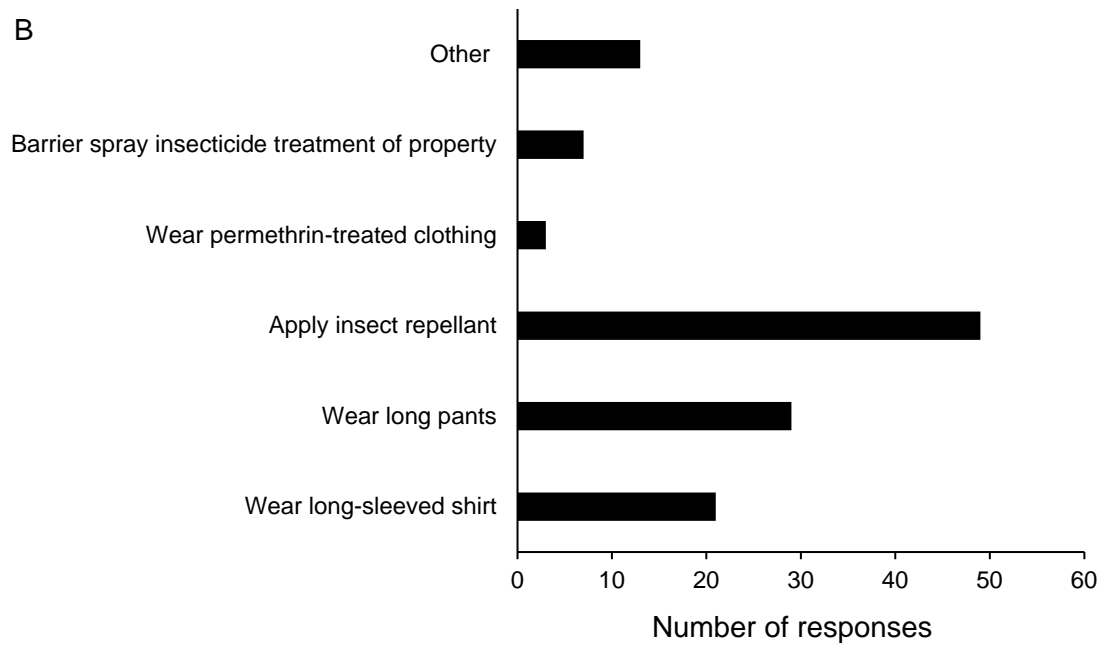


Figure S7. I am concerned about the health of my horses related to mosquito-borne illnesses when I am working at the farm.

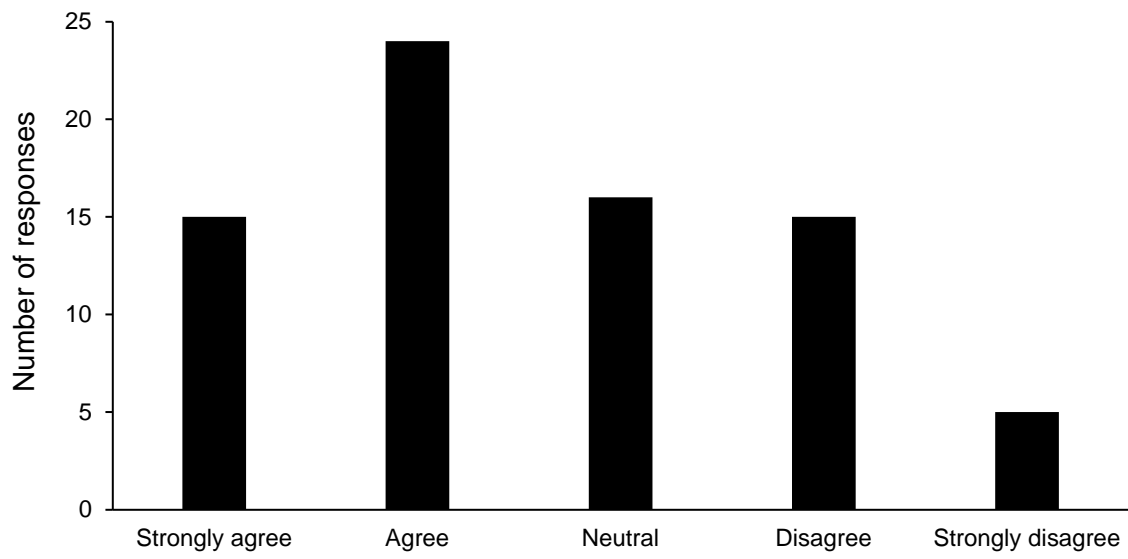


Figure S8. Mosquitoes are a nuisance when I am working on the farm (black bar); I am concerned about my health related to mosquito-borne illnesses when I am working at the farm (white bar); Mosquitoes keep me from enjoying time outside at the farm (grey bar).

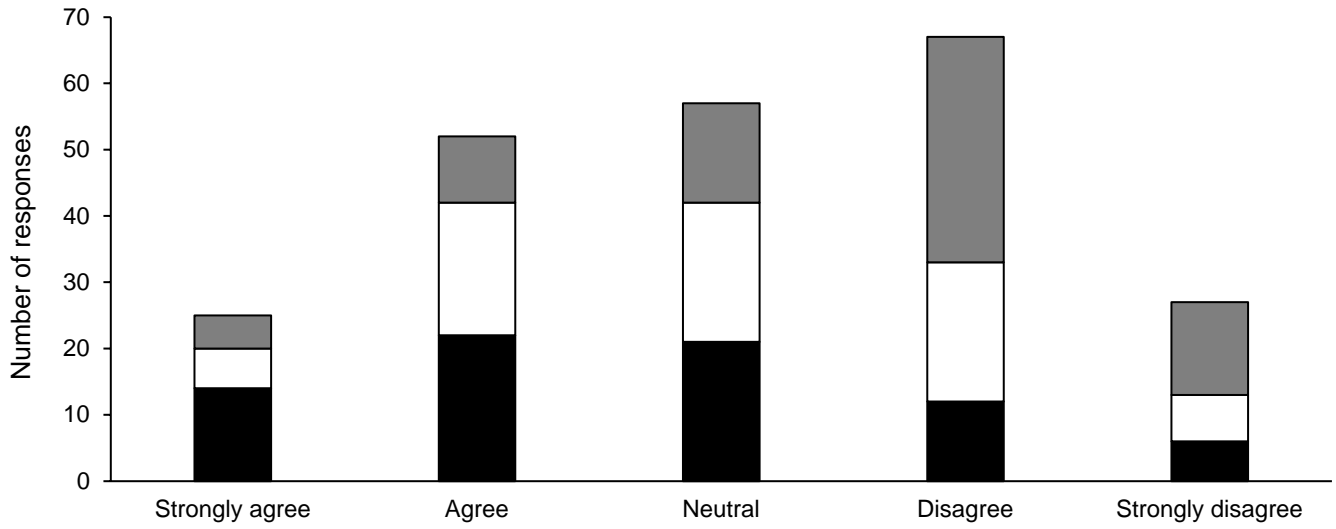


Table S1. NC counties reporting equine cases of Eastern equine encephalitis and/or West Nile encephalitis 2008-2018.

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)