

# American Mosquito Control Association Culicoides Fund

## 2025 Full Research Proposal Cover Page

PRINCIPLE INVESTIGATOR	
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PROJECT TITLE
Improving strategies for controlling Culicoides spp. with available ready to use adulticides

FUNDS REQUESTED (1 YEAR)	\$104,915.20

COLLABORATORS	
LAST NAME, FIRST NAME	POSITION, AFFILIATION
Verde, Jeremy	Chemical and Biological Entomologist, FBC EH
Nash, Bret	ULV Supervisor, FBC EH

PROJECT SUMMARY (~200 words):
<p>The objective of this project is to provide scientifically grounded recommendations to local vector control professionals aimed at reducing the transmission of pathogens associated with biting midges. To support this goal, a Field Cage Test will be conducted to evaluate the efficacy of two EPA-registered active ingredients, commonly used in the control of adult mosquito populations, in managing Culicoides populations. Additionally, to enhance our understanding of the temporal activity patterns of Culicoides, Rotator traps will be employed for the collection of specimens. This data will aid in identifying optimal timing for adulticide applications. The outcomes of this study will inform best practices for adulticide application and contribute to the optimization of vector control strategies.</p>

Principal Investigator	Date	Organizational Representative	Date
(Signature)		(Signature)	