



The Landing Rate Count

www.scmca.net

Newsletter of the South Carolina Mosquito Control Association

February 2019–Vol 45 • Issue 1

The President's Message

Trey Reed

Editor: Larry Motes

Happy 2019 from the midlands of South Carolina! 2018 was a year of ups and downs. We lost some truly dedicated mosquito control professionals in 2018, among them Tommy Bowen, John Grant, and Bruce Harrison. Although 2018 gave us above average rainfall and two hurricanes strikes to the state, we were very fortunate that mosquito-borne disease activity was kept in check thanks in no small part to the efforts of people like yourself. And finally, the Clemson Tigers won a third National Championship in football (which can be an up or down, depending on your perspective!).



Trey Reed
2019 SCMCA President

This year we will not have a formal association conference in the fall. Instead, there will be a joint meeting of the SCMCA and the Mid-Atlantic Mosquito Control Association (MAMCA) at the Hilton Greenville February 18-20 in 2020. More details will follow in a future issue of The Landing Rate Count.

Finally, please mark your calendars for the 2019 SCMCA Summer Workshop. It will be held Wednesday, June 12 in Pinopolis at the Santee Cooper meeting facility. We'll have a tentative agenda for you in the next newsletter.

Thanks to each and every one of you for the hard work and efforts you put forth to improve the quality of life and health of the citizens of South Carolina and our visitors. What you do every day has a direct impact that is immeasurable but vital to our tourist economy. Most of this work goes unnoticed by the public, but your fellow employees and Association members all know how important your roles are. Be safe, and we look forward to seeing you in June.

In This Issue

- President's Message.....1
- SCMCA Sustaining Members.....2
- SCMCA Sustaining Members cont. 3
- SCMCA Regions.....4
- Regional Representative Bios.....4
- Regional Representative Bios5
- 46th SCMCA Annual Meeting6
- 46th SCMCA Annual Meeting cont..7
- Obtaining a Non-Commercial License for Mosquito Control.....8
- Letter from Mid-State Beekeepers Association.....8
- Species Spotlight: *Aedes fulvus pallens*.....9
- 2018 Calendar of Events10
- 2017 Summer Workshop Announcement.....10
- Web Resources11
- Zika Virus Resources11
- SCMCA Membership Application.12
- 2019 SCMCA Board of Directors . 13

Training Opportunities

Mid Atlantic Mosquito Control Association Meeting

March 26-28, 2019

Harrisburg, PA

South Carolina Mosquito Control Association

Summer Workshop

Pinopolis, SC

June 12, 2019

2018 SCMCA Sustaining Members

Thank you for your time and contributions!

ADAPCO Innovative Mosquito Solutions, an AZELIS Americas Company

Trey English
466 Pedrick Rd
Quitman GA 31643
(866) 829-0275 office
(229) 300-0091 cell
(866) 330-9888 fax
TENGLISH@myadapco.com
WWW.MYADAPCO.COM
WWW.AZELISAMERICAS.COM



Allen Aviation, Inc.

Al and Shanda Allen
150 Shanda Ln
Aynor SC 29511
(843) 358-3583 office
FLYALLEN@sccoast.net
WWW.ALLENAVIATION.COM

*Allen Aviation, Inc.
Aynor, S.C.*

AllPro Vector Group

Joe Andrews
640 Griswold St
Northville MI 48167
(919) 343-8440 cell
(248) 773-7460 office
JOEA@allprovector.com
SALES@allprovector.com
WWW.ALLPROVECTOR.COM



AMVAC Chemical Corporation

Peter Connelly
751 Ocracoke Sq SW
Vero Beach FL 32968
(772) 563-0606 office
(772) 205-5280 cell
PETERC@amvac-chemical.com
WWW.AMVAC-CHEMICAL.COM



Backed By Bayer

Gordon Morrison
Crop Science Division
Environmental Science
2 TW Alexander Dr
Research Triangle Park, NC
27709-2014
(919) 549-2535 office
(919) 452-7145 cell
gordon.morrison@bayer.com
WWW.BACKEDBYBAYER.COM



Science For A Better Life

Central Life Sciences

Kelly Deutsch
(407) 952-2817 cell

KDEUTSCH@central.com
WWW.CENTRALLIFESCIENCES.COM



Clarke Mosquito Control

Joe Strickhouser
PO BOX 9364
Charlotte, NC 28299
(704) 756-5837
JSTRICKHOUSER@clarke.com
WWW.CLARKE.COM



Duke Energy Carolinas

Lake Services Team
(704) 382-8086
(800) 443-5193 office
LAKESERVICES@duke-energy.com
WWW.DUKE-ENERGY.COM/SOUTH-CAROLINA.ASP



Gregory Pest Solutions

Tim Teague
(803) 309-6844
TTEAGUE@GREGORYPESTSOLUTIONS.COM
WWW.SMARTERPESTCONTROL.COM



EcoChem, LLC

John Kinsey
130 Pearson Rd
Sumter SC 29150
(803) 847-0724 office
JKINSEY@ecochemllc.com
WWW.ECOCHEM.COM



2018 SCMCA Sustaining Members, continued

Electronic Data Solutions

Ryan Pierson

PO BOX 31

Jerome ID 83338

(208) 324-8006

elecdata@elecdata.com

WWW.ELECDATA.COM



Gil Manufacturing, Inc.

Ted Gilreath

807 Oliver Ct

Montgomery AL 36117

(334) 284-8111

(800) 445-0180

GILMOSQUITO@charter.net

WWW.GILMANUFACTURINGINC.COM



Mosquito Control Engineering Services (MCES), LLC

Carlos Gonzalez

2499 Old Lake Mary Rd STE 102

Sanford FL 32771

(321) 363-4977

CARLOS@mymces.com

WWW.MYMCES.COM



Santee Cooper

Casey Moorer

PO BOX 29461

1 Riverwood Dr

Moncks Corner SC 29461

(843) 761-8000 x4407

CASEY.MOORER@santeecooper.com

WWW.SANTEECOOPER.COM/MOSQUITOCONTROL



santee cooper®

Total Tree & Lake Care, Inc.

Todd Stephenson

928 Knollwood Ct

Murrells Inlet, SC 29576

(843) 651-8733

WWW.TOTALTREEANDLAKECARE.COM



TrakitNow

Satish Cherukumalli

1320 Main Street, Ste 300

Columbia, SC 29201

(803) 638-8471

contact@TrakitNow.com

WWW.TRAKITNOW.COM



Univar Environmental Sciences

Jason Conrad

225 Willow Wind Way

Brunswick GA 31525

(912) 704-1407

JASON.CONRAD@univarusa.com

WWW.UNIVAR.COM/US



Valent Biosciences

Candace Royals

3225 S MacDill Ave STE 129-190

Tampa FL 33629

(813) 505-8852

CROYA@valent.com

CANDACE.ROYALS@valent.com

WWW.VALENTBIOSCIENCES.COM



Vector Disease Control International, LLC

Mychal Manolatos, V.P. of Sales

1320 Brookwood Dr STE H

Little Rock, AR SC 72202

(800) 413-4445 office

(312) 434-5107 cell

mmanolatos@vdcil.net

info@vdcil.net

WWW.VDCI.NET



Williamsburg Air Service, Inc

Guy McClary

77 Birchwood Dr

Kingstree SC 29556

(843) 382-8289 office

(843) 687-3629 cell

WILLIAMSBURGAIRSERVICE@yahoo.com

SPRAYING@ftc-i.net

WWW.WILLIAMSBURGAIRSERVICE.COM

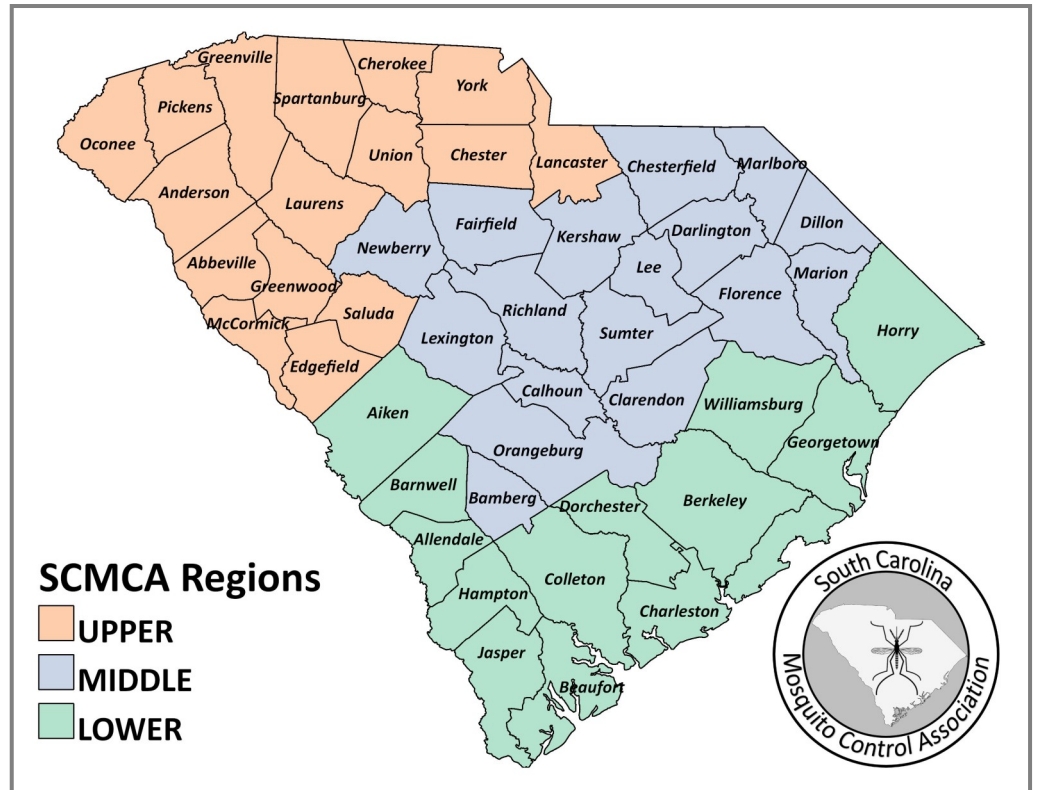


SCMCA Regions & Delegates

Upper Region: Amber Leonard
Phone: (864) 596-3327
leonas@dhc.sc.gov

Middle Region: Brian Giles, MS
Phone: (803) 896-0940
GILESBA@dhc.sc.gov

Lower Region: Johnny Bruton
Phone: (843) 582-3427
JhBruton@nmb.us



Upper Region - Amber Leonard



My name is Amber Leonard and I will be your Upper Region delegate for 2019. I attended USC and obtained a B.S. in Marine Science in 2011. I grew up in the Columbia area and moved to Spartanburg with my husband and 7 year old daughter in 2016. I currently work in the Spartanburg office as the Vector Surveillance Specialist and Food Protection team member. I enjoy crocheting, fishing and spending time outdoors with my family. I look forward to serving the association this year!

Middle Region - Brian Giles, MS



Brian has a Bachelor of Science in Crop Protection and a Master of Science in Entomology from The Ohio State University. While having worked in a variety of horticulture-related fields, Brian has spent the bulk of his professional life in horticultural chemical sales. As a crop consultant, Brian would work with growers to solve their pest problems, make recommendations and sell them the material to treat the problem. He has a broad knowledge of pesticides and nutritional products used in the commercial horticultural industry and has also done application work earlier in his career. Recently, Brian accepted a position with DHEC working for Dr. Chris Evans in the state entomology lab. There, he will assist Dr. Evans in the Arbovirus Surveillance Program and support the mosquito surveillance participants throughout the state as well as other duties.

Lower Region - Johnny Bruton



Hello everyone, my name is Johnny Bruton and I work for The City of North Myrtle Beach. I am originally from Loris, SC. I attended Loris High School and Horry Gerogetown Technical College. I have been working for the City of North Myrtle Beach for over 12 years, most of which have been in some part with mosquito control. I started out just driving the spray truck at night after working during the day for the Streets and Drainage Department. I now see to the day to day needs of the mosquito control department. I am the father of two boys, Frankie and Scottie. When not working I enjoy most all sports, racing most notably. Thank you for allowing me to represent you and I look forward to being your Lower Region Representative, I am only a phone call away.

2018 SCMCA Annual Meeting

Highlights



46th Annual Meeting of the South
Carolina Mosquito Control Association

November 7-9, 2018

Hilton

Greenville, South Carolina

Presenters



**2018 SCMCA
Conference
Attendees**



Larry Motes
*Gregory Pest
Solutions*



Nga Vuong
CDC



Mike Doyle
North Carolina



Dr. Brian Byrd
LaCrosse Virus



Caroline Weldon
*CDC
Center of Excellence*



Chris Lesser
*Manatee County FL
AMCA update*



Jana White
DHEC Waste Tire

2018 SCMCA Annual Meeting Awards



Tamara Gordon
Silver Dipper Award

*In recognition for her support to
SCMCA and mosquito control in
South Carolina*



Dr. Jennifer Tsuruda
Silver Dipper Award

*In recognition for her support to
SCMCA and mosquito control in
South Carolina*



Stacy Harris
Technician of the Year

*Awarded to the outstanding
Technician or
Inspector in
mosquito control*



Robert Cartner
Presidential Plaque

*For his service as the 2018
SCMCA President
Presented by Trey Reed (L)*



Dr. Chris Evans with LA Williams (L)
LA Williams, Jr Award

*For Outstanding Service and Contributions to
Mosquito Control*



John Grant

*John C Grant Presidential Citation
Received Posthumously by:
Julie and Aaron Grant*



Tommy Bowen

*John C Grant Presidential Citation
Received Posthumously by:
LA Williams*

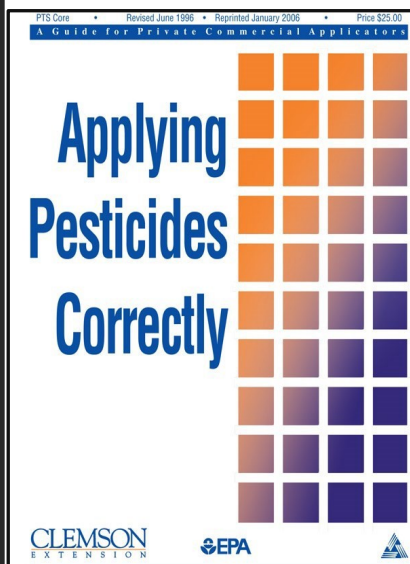
Banquet



Obtaining a Non-Commercial License for Mosquito Control

Chris Evans, MS, PhD

In order to obtain a Category 8 Public Health Pest Control License, you must obtain training materials prior to taking the exam. No classroom instruction is provided.



The two manuals needed are: (1) Core Manual – Applying Pesticides Correctly (PTS CORE), \$25; and (2) Category 8 – Public Health Pest Control (PTS8-SR18), \$15. Order the manuals online at <https://clemson.edu/dpr>, click “Exam Information” on the right, then under “Exam Information for SC Applicator’s License” click, “Order Exam Study Materials Online.” These manuals can also be ordered by phone from the Clemson University Bulletin Room:



(864) 656-3261 or (888) 772-2665. The exam fee for the Core + Category 8 is \$100. Each additional category is \$50. Before taking the exam, you must pre-register with the Clemson University Department of Pesticide Regulation (864-646-2150). Specifically, you should contact Holly Lizotte (Phone: 864-646-2164; E-mail: hlizott@clemson.edu) to pre-register. You must provide your name, address, phone number, social security number, and the name of the exam (Category 8). You will be given an

Identification Number. The exam location, date, and time will be set up during the pre-registration process. Directions to the testing center will be provided.

The exam is taken on a computer, and it is offered at testing centers around the state. The exam will cover the core principles of pesticide labels, environmental factors, pest and pesticide knowledge, pesticide laws, pesticide equipment and application techniques, and safe pesticide use, as well as knowledge specific to Public Health Pest Control. The results are known immediately upon completion of the exam.



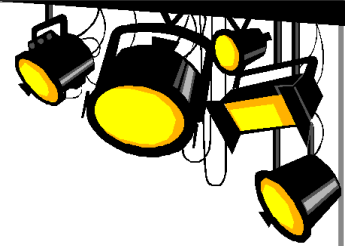
To County Vector Control Departments in the South Carolina Midlands:

Mid-State Beekeepers Association would like to make you aware of an asset at your disposal. Our organization has grown a great deal over the past several years and we have developed a large email database of area beekeepers. While not all inclusive, we have the ability to quickly send an email alert to our 285 dues paying members and to over 550 local individuals that subscribe to our monthly newsletter in Lexington, Richland, Calhoun and surrounding counties. Of course we encourage all of our active members to register their hives with their local Vector Control departments as a first line of contact should contact be needed.

However if, for any reason, you have a need to send an alert out to local beekeepers we would welcome facilitating that action for you.

Thank You,
scmidstatebees@scmidstatebeekeeper.org

Species Spotlight: *Aedes fulvus pallens*



Description

Adults *Aedes fulvus pallens* is one of the most striking mosquitoes of the southeastern United States and is unlikely to be confused with any other mosquito in our area. Adults are large and bright yellow and black. The legs, proboscis, and palps are yellow with black tips.

Two large dark spots covered with black scales adorn the otherwise yellow scutum. Wings are dark scaled.

Females will readily bite humans; however, they are rarely encountered in large numbers. They feed mostly on mammals in the wild, including rabbits, deer, armadillos, and rodents. *Aedes fulvus pallens* is not known to transmit any human pathogens.



Larvae Larvae of *Aedes fulvus pallens* are quite large when mature. Setae of the head are variable in size and branching. The siphon is short and stout. The large, branched seta of the siphon arises within the pecten, which has 1–2 teeth separated from the other teeth, and reaches nearly to the tip of the siphon. The saddle surrounds the anal segment. The comb is a large patch of 25 or more scales. Larvae of this species are typically rare; they are found in temporary rainwater depressions along with larvae of *Aedes atlanticus* and *Aedes tormentor*.

Distribution *Aedes fulvus pallens* is relatively rare but may be found throughout the southeastern United States, excluding the Appalachian Mountains.

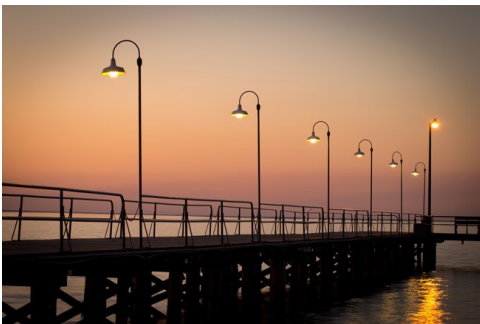
Burkett-Cadena ND. 2013. *Mosquitoes of the Southeastern United States*. Tuscaloosa, Alabama: University of Alabama Press.



Distribution of *Aedes fulvus pallens* in the U.S.

2019 Calendar of Events

Date	Meeting/Event	Venue	Location
Feb 25-Mar 1, 2019	85th Annual Conference of the American Mosquito Control Association	Caribe Royal Orlando Resort	Orlando, FL
March 26-28, 2019	44th Annual Conference of the Mid-Atlantic Mosquito Control Association	Hilton Harrisburg	Harrisburg, PA
March 6, 2019 7:30 am—1:00 pm	Clarke Mosquito Workshop Joe Strickhouser 1-800-323-5727 or www.clarke.com/workshops	Doubletree by Hilton North Charleston Convention Center 5264 International Boulevard Breakfast Served	North Charleston, SC
March 7, 2019 7:30 am—1:00 pm	Clarke Mosquito Workshop Joe Strickhouser 1-800-323-5727 or www.clarke.com/workshops	Courtyard Columbia Downtown 630 Assembly Street Breakfast Served	Columbia, SC
June 12, 2019	South Carolina Mosquito Control Association Annual Summer Workshop	Santee Cooper Somerset Recreation Building	Pinopolis, SC
June 24-June 30, 2019	National Mosquito Control Awareness Week	http://www.mosquito.org/meetingevents	
Feb 19-21, 2020	South Carolina Mosquito Control Association 47 th Annual Meeting	Hilton Greenville	Greenville, SC



Mark Your Calendars



June 12, 2019

SCMCA 2018 Summer Workshop

Pinopolis, SC

Check SCMCA website for future updates and an agenda

Hope to see you all there!!



Web Resources

Resource	Website
American Mosquito Control Association	http://www.mosquito.org/
CDC Division of Vector-Borne Diseases	http://www.cdc.gov/nceid/dvbd
CDC Zika Virus Information	http://www.cdc.gov/zika/
Clemson University CEU Search (See <i>your</i> information)	http://regfocus.clemson.edu/dpr/ncommercial.htm
Clemson University Cooperative Extension Beekeeping	http://www.clemson.edu/extension/beekeepers/
Clemson University Department of Pesticide Regulation	http://regfocus.clemson.edu/dpr/
EPA Insect Repellents: Use and Effectiveness	http://cfpub.epa.gov/oppref/insect/
Florida Medical Entomology Laboratory (+ID Guide)	http://fmel.ifas.ufl.edu/
Florida Mosquito Control Association	http://www.floridamosquito.org/Home/
Mid-Atlantic Mosquito Control Association	http://www.mamca.org/
NC Mosquito and Vector Control Association	http://www.ncmvca.org/
SC DHEC Mosquitoes in South Carolina	http://www.scdhec.gov/mosquitoes
SC DHEC Reporting Dead Birds in South Carolina	http://www.scdhec.gov/birdtesting
SC DHEC Zika Virus Information	http://www.scdhec.gov/zika
Society for Vector Ecology	http://www.sove.org/
South Carolina Aquatic Plant Management Society	http://www.scapms.org/
SC Bee Keeper Association (Local assoc. links)	http://www.scstatebeekeepers.org/
SC Mosquito Control Association	http://www.scmca.net/
USGS (Arbovirus Disease Maps)	http://diseasemaps.usgs.gov/mapviewer/

Save the Date and Join Us...

For the 47th SCMCA Annual Meeting jointly with MAMCA

February 19-21, 2020 at the Hilton in Greenville, SC



Meet new colleagues from the Mid-Atlantic region and earn your CEUs!



SOUTH CAROLINA MOSQUITO CONTROL ASSOCIATION, INC.

Attn: Olin Towery, Secretary Treasurer

Richland County Vector Control

400 Powell Road

Columbia, SC 29203

OFFICE PHONE: (803) 576-2428

FAX: (803) 576-2498

MEMBERSHIP APPLICATION

NAME:

ORGANIZATION:

ADDRESS:

WORK PHONE:

FAX:

E-MAIL:

TYPE OF MEMBERSHIP/ DUES (Renewal due at Annual Meeting)

Active Member	\$ 10.00
*Sustaining Member	\$150.00

***Includes one active membership**

Please make checks payable to SCMCA and return to Olin Towery at the address above.

For Office Use Only:

Region: Upper / Middle / Lower

Amount Paid \$ _____ Date Paid: _____ ☐ Check # _____ ☐ Cash

2019 SCMCA Board of Directors

President: Trey Reed
SCDHEC – Midlands Health Region
Richland County Health Department
2000 Hampton Street
Columbia SC 29204
Phone: (803) 576-2770
reedhm@dhec.sc.gov

Vice-President: Larry Motes, BCE
General Manager
Board Certified Entomologist
Gregory Pest Solutions
200 Smith Hines Road
Greenville, SC 29607
Phone: (843) 729-7852
lmotes@gregorypestsolutions.com

Secretary-Treasurer: Olin Towery
Richland County Vector Control
400 Powell Rd
Columbia SC 29204
Phone: (803) 576-2428
Towery.Olinrichlandcountysc.gov

Website:
www.scmca.net

E-Mail:
scmosquitocontrolassociation@gmail.com

Upper Region: Amber Leonard
Environmental Health Manager
SCDHEC
Spartanburg Environmental Affairs
151 East Wood Street
Spartanburg, SC 29303
Phone: (864) 596-3327
leonas@dhsc.sc.gov

Middle Region: Brian Giles, MS
Entomology Lab
Bureau of Environmental Health Svcs
8231 Parklane Road
Columbia SC 29223-4903
Phone: (803) 896-0940
Gilesba@dhsc.sc.gov

Lower Region: Johnny Bruton
City of North Myrtle Beach
1018 Second Avenue South
North Myrtle Beach, SC 29582
(843) 582-3427
jhbruton@nmb.us

At-Large: Joe Strickhouser
Clarke Mosquito Control
PO Box 9364
Charlotte, NC 28299
(704) 756-5837
jstrickhouser@clarke.com

Past President: Robert Cartner
Manager/Biologist
84 Shanklin Road
Beaufort, SC 29906-8427
Phone: (843) 255-5800
rcartner@bcgov.net

Advisor: L.A. Williams Jr.
SCDHEC – BEHS
2600 Bull St
Columbia SC 29201
Phone: (803) 896-0655
WILLIALA@dhec.sc.gov

Historian: Tammy Brewer
Richland County Vector Control
400 Powell Rd
Columbia SC 29204
Phone: (803) 576-2425
brewer.tammy@richlandcountysc.gov

SCMCA – Promoting Mosquito Control in South Carolina

The Landing Rate Count

SC Mosquito Control Association
c/o Richland County Vector Control
400 Powell Rd
Columbia SC 29204

PLACE
STAMP
HERE