

Santee Cooper Mosquito Operations along Lake Marion & Lake Moultrie – John Grant

- a) Electric utility established in 1938
- b) Mosquito control a priority for the company in 1938
 - i) Malaria was an issue
 - ii) Mosquito-proofed houses in area
 - iii) Provided medication to local people
- c) Continue to provide IPM mosquito control
- d) Species needing control:
 - i) Permanent water species
 - (1) *Anopheles spp*
 - (2) *Cq perturbans*
 - (3) *Cs melanura*
 - ii) Tempory water species
 - (1) *Ps columbiae*
 - (2) *Ps ferox*
 - (3) *Ae albopictus*
 - (4) *Culex spp*
- e) Surveillance
 - i) Larval dips
 - ii) Landing rates
 - iii) New Jersey light traps
 - iv) Resting boxes
- f) Arbovirus surveillance
 - i) Use both gravid and CDC light traps
 - ii) Ship and test
 - iii) Some VecTest and RAMP testing done in-house
- g) Source reduction
 - i) Cut access points
 - ii) Mow high grass
 - iii) Herbicide use – limited use
 - iv) Ditch maintenance
 - v) Burning of organic material in dry ditches in winter
- h) Control
 - i) Larviciding – pre and post-treatments
 - (1) Backpack Bti
 - (2) Truck-mounted Bti/Altosid
 - (3) Granular Bti – spreader attached to ATV
 - (4) Fixed-wing Altosid - rare
 - (5) Boat-mounted blower
 - (6) Gambusia
 - ii) Adulticide
 - (1) Aerial applications - rare
 - (2) Truck-mounted aquareslin
 - (3) Backpack treatment
 - (4) ATV-mounted ULV and fogger