

## Charleston County's Response to WNV – Martin Hyatt

- a) Long, narrow county
- b) Stats
  - i) 1353 square miles, about 1000 are 'high ground'
  - ii) 330,000 pop
  - iii) 6-8 million tourists per year
- c) Mosquito control
  - i) Ground crews
  - ii) Surveillance
  - iii) Larvicide
  - iv) Adulticide
  - v) Contract airplanes
  - vi) Provide extra control at assisted living and nursing home sites
- d) WNV
  - i) 2002 – WNV+ horse late in season
  - ii) 2003 – 2 hot spots at opposite ends of county
    - (1) Horses and birds
    - (2) Rural areas
  - iii) 2004 – nothing
  - iv) 2005
    - (1) Positive birds and mosquitoes
    - (2) Gravid trap – rabbit pellet infusion
    - (3) Door-to-door in target area to provide education
    - (4) Aerial spray
    - (5) Human case late in season
  - v) 2006
    - (1) Older neighborhoods
    - (2) Used Altosid in catch basins
    - (3) Bti or agnique in ditches
    - (4) Used thermofoggers in yards
    - (5) Truck-mounted ULV
    - (6) Some barrier spraying
    - (7) Aerial spray
    - (8) Used gravid traps – wheat straw pellet infusion
  - vi) Mosquitoes
    - (1) *Culex* spp
    - (2) No positives seen after mid to late Oct
  - vii) 2007
    - (1) Will use an ATV to put out larvicide
    - (2) Put out ingots earlier in season
  - viii) Used the news to inform people
  - ix) Have continued going door-to-door in high risk areas
- e) Also deal with EEE