

## It'll Never Work – Peter Connelly

- a. Aerial applications to control peridomestic species
- b. Importance
  - i. 40-50% of global population in DEN endemic areas
  - ii. *Aedes aegypti* is an important vector
- c. Improving the odds
  - i. Smaller VMD at nozzle
  - ii. Good surveillance for peak activity
  - iii. Lower flying aircraft
  - iv. Latest delivery technology
  - v. Check for resistance
  - vi. Use multiple applications as necessary along with source reduction
- d. If there is no insecticide resistance, then lack of kill is related to a delivery problem
- e. Trials
  - i. Camp Blanding - 2013
    - 1. Bioassay cage
      - a. Inside
      - b. Outside
    - 2. Results
      - a. Open areas – 100% control
      - b. Closed areas – at least 50% control
  - ii. Process used in Miami-Dade County for ZIKV outbreak with great results