

## Preparing for the Season - “Get your checklist”

West Nile Virus is Here to Stay –  
Planning for the Long Haul

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## Checklist?

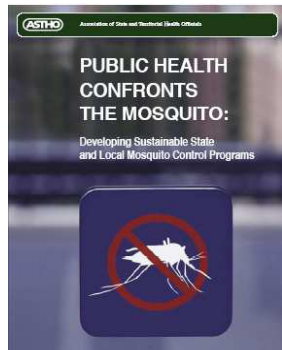
- Planning -

- ✓ Have a Plan!
- ✓ Evaluate Equip and Chem. needs
- ✓ Monitor populations – when to pull trigger
- ✓ Larvacide/Adulticide when appropriate
- ✓ Educate
- ✓ Document & plan for next year



## Have a Plan!

- ✓ Good document for gov't bodies
- ✓ Put plan in writing
- ✓ Then follow plan
- ✓ Learn from last year
- ✓ Learn from others



## Evaluate Chemical & Equip.

- ✓ State Bid for Chemical
  - ✓ <http://westnile.sd.gov/>
- ✓ Review spray calculations
  - ✓ <http://sdces.sdstate.edu/westnile/community.htm>
- ✓ Plan for equipment update
- ✓ Maintain, calibrate, drop size equip
- ✓ Know label changes

## Label Changes?

**CLARKE**  
Mosquito Control  
www.clarkemosquito.com

# AQUAHALT™

Water-based Adulticide

A water based formulation. For control of Adult Mosquitoes in outdoor residential, recreational and other areas.

For use only by federal, state, tribal or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

**Active Ingredients**

Pyrethrin	5.00%
Piperonyl Butoxide, Technical *	25.00%
Other Ingredients	70.00%
	100.00%

\* Equivalent to 20.0% (beta/cyhalothrin) (beta-prorpyl/piperonyl) ether and 5.0% related compounds

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUCION AL USUARIO:**  
Si usted no lee ingles, no use este producto hasta que la etiqueta

**PHYSICAL OR CHEMICAL HAZARDS**  
Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**  
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read all directions completely before use and follow all directions and precautions when using product. Before making first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

Do not treat a site with more than 0.0025 lb ai/A per day. Do not apply more than 0.0025 lb ai/A per year. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribal agency during a natural disaster recovery effort.

This product cannot be mixed with oil. Use only when water contains no soaps or

## Label Changes

### SPRAY DROPLET SIZE DETERMINATION

. . . . VMD is less than 30 microns (Dv 0.5 < 30 um) and that 90% . . . smaller than 50 microns (Dv 0.9 < 50 um). . . . .

**Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.**



**WEST NILE VIRUS MOSQUITO COLLECTION**


**Mosquito populations, 2005**

These mosquito population graphs are based on surveillance trap counts and must be averaged over several days and several traps. This information will assist individuals involved in public mosquito control programs to visualize trends in mosquito populations. These reports are relative and depend upon factors such as the type of mosquito trap, the location of the trap, and the makeup of the mosquito population.

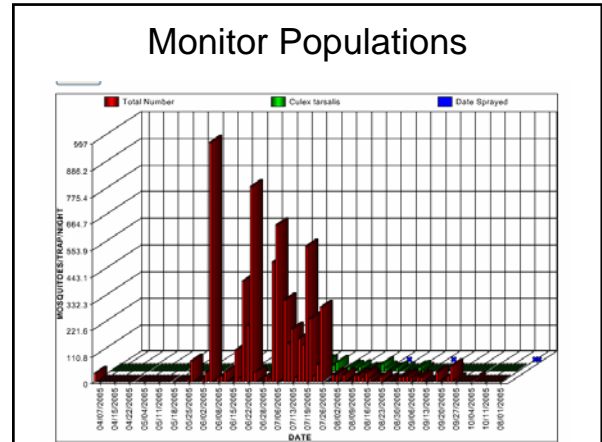
These numbers should not be used to estimate if the mosquito problem is better or worse in a particular location. The change or trend in the numbers of mosquitoes caught is what should be considered, if you have questions or comments, please contact Jim Howe by email or at 605 624-4162.

<http://www.ces.sdstate.edu/mosqcount/>

Please click a county to view the trap locations.



**South Dakota Mosquito Population Monitoring Project**



### Identify the Sources



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### Adult Vector Control ULV Application

- ✓ Base spraying on a plan
- ✓ Appropriate time and conditions
- ✓ Won't control all mosquitoes
- ✓ Educate/communicate w/ public


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### Adult Mosquito Control barrier treatments

- ✓ Don't forget barrier treatments
- ✓ "Protect" group areas
  - Parks
  - Baseball diamonds
  - 4<sup>th</sup> July parades
  - Any group outdoor activity

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### Educate Public



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Questions?



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