

## Use repellent safely

DEET (N, N-diethyl-m-toluamide)



- ⇒ Follow the label directions for use.
- ⇒ Do not use **DEET** on children under 2 years of age. Use mosquito netting or additional clothing to protect infants.
- ⇒ For children ages 2 -12 years, use products with less than 10% **DEET**.
- ⇒ Do NOT apply on hands of young children as it could wind up in their eyes or mouth.
- ⇒ Older children and adults can use 10-35% **DEET**.
- ⇒ Apply only to exposed skin or on top of clothing.
- ⇒ Wash treated skin and clothing after returning indoors.
- ⇒ In case you or a child have a reaction to a repellent, wash the treated area immediately and contact your health care provider or the Poison Center at 1-800-222-1222.

The level of DEET determines the length of protection from mosquito bites.

- 23.8% DEET -5 hours
- 20% DEET -4 hours
- 6.65% DEET -2 hours
- 2% soybean oil or 4.75% DEET - 1 1/2 hours

Since DEET is a powerful chemical, only use the amount necessary for the time you will be around mosquitoes.

Although there is not a vaccine for humans yet, there is one for horses. Horse owners should talk with their veterinarian about precautions to take.

WNV is NOT spread person-to-person or animal-to-person



### Resources:

Center for Disease Control-  
[www.cdc.gov/ncidod/dvbid/westnile](http://www.cdc.gov/ncidod/dvbid/westnile)

Oregon Department of Health-  
[www.oregon.gov/DHS/ph](http://www.oregon.gov/DHS/ph) (search for "west nile")

Environmental Protection Agency (EPA)-  
[www.epa.gov/pesticides/factsheets/skeeters.htm](http://www.epa.gov/pesticides/factsheets/skeeters.htm)

National Pesticide Information Center -  
[www.npic.orst.edu/wnv/](http://www.npic.orst.edu/wnv/)

Oregon Department of Fish & Wildlife-  
[www.dfw.state.or.us/fish/diseases/](http://www.dfw.state.or.us/fish/diseases/)

For more information call:

Yamhill County Public Health Information Line  
503-474-4968, or from Newberg 503-554-7888

Oregon West Nile Virus hotline 1-866-703-4636

National Pesticide Information Center  
1-800-858-7378



Yamhill County Public Health

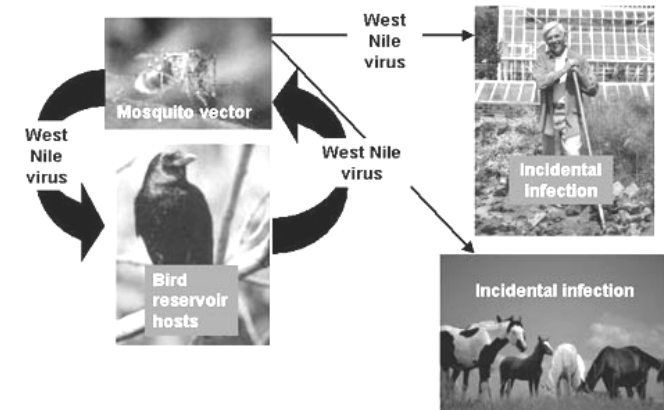
## West Nile Virus

What's biting you?

1 in 150 infected people may develop severe symptoms



### West Nile Virus Transmission Cycle



Yamhill County Public Health  
412 NE Ford St.  
McMinnville, OR. 97128  
503-434-7525 / 554-7842  
TTY 800-735-2900  
[www.co.yamhill.or.us/PH](http://www.co.yamhill.or.us/PH)

# West Nile Virus - fight the bite!

More on reducing mosquitoes

West Nile Virus (WNV) is a disease transmitted through the bite of an infected mosquito to humans, horses and birds. Mosquitoes become infected when they feed on infected birds. The disease is not spread from direct contact with infected birds, animals or humans. WNV first appeared in Oregon last fall.

Most people who become infected will have no symptoms or mild ones which last a few days. Symptoms are similar to the flu with a high fever, chills, headache, skin rash and body aches. People over age 50 or those with a compromised immune system have the highest risk of serious illness.

Illness usually begins 5-15 days after an infected bite.

**If you think you have symptoms of WNV please call your physician.**

## What you can do...



### Eliminate breeding areas-

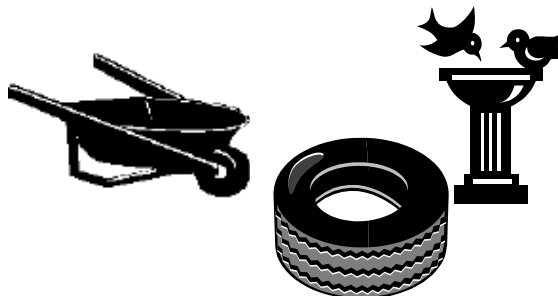
- Empty anything that holds water around your home (old tires, flower pots, empty containers).
- Change the water for pets or in birdbaths at least once a week.
- Make sure pools and hot tubs are chlorinated properly.
- Clear rain gutters so they drain properly.

### Avoid Mosquito bites-

- Repair screen windows and doors.
- Stay indoors at dawn and dusk
- Wear long sleeves and pants when you are outside
- Use mosquito repellent containing picaridin or DEET properly.
- Take extra care when going to wetlands or woods

### Be informed-

- Share this information with others
- Keep up with reports in Oregon



### What's your risk of getting severely sick?

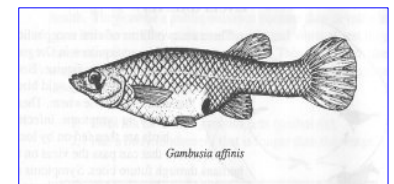
Deaths in the US during 2004:  
Heart Disease: 950,000  
Flu (average): 36,000  
West Nile Virus : 88

## Pesticides

Some pesticides can be used safely. Products containing *Bacillus thuringiensis israelensis* (Bti) are sometimes called mosquito dunks or bits. These products release a type of bacteria that kills the mosquito larvae, but does not harm plants or animals. Be sure to follow label instructions on all mosquito control products.

## Alternatives

Encourage native creatures that eat mosquitoes such as fish, frogs, birds and bats. For information on attracting these creatures contact the Soil & Water Conservation District at 503-472-6403.



## Mosquito-eaters

Mosquito eating fish such as Gambusia and goldfish can be used in ponds or livestock troughs. These fish are available at most garden stores that sell pond equipment. Gambusia may not be placed in natural streams or ponds because they will compete with native fish.