



West Nile Virus Surveillance



West Nile Virus Surveillance Summary #6 Thursday, August 20, 2009

WNV Activity in BC

(Data as of August 19, 2009)

No WNV activity has been identified in BC to date.

The BCCDC webpage on West Nile can be viewed directly at: <http://www.bccdc.ca/dis-cond/az/w/WestNileVirus/default.htm>

From June 1 st , 2009	Human cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	110	90	334	1622
# Positive	0	0		0

*includes routine screening of CSF, organ and stem cell donations in addition to physician test requests

Maps and graphs of BC surveillance data can be found at: <http://www.bccdc.ca/dis-cond/az/w/WestNileVirus/Surveillance/WNV2009SurveillanceData.htm>

3-month Environment Canada climate predictions for BC

The 3 month (August-October) temperature forecast calls for above normal temperatures for almost all of BC. http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1t_s

The 3 month precipitation forecast calls for below normal precipitation for coastal BC and normal precipitation for central and southern BC.

http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1p_s

Accumulated base 16 °C growing degree days comparison for select BC communities

August 19 th	2009	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	308	347	409	378	273	330	424	245
Creston	439	414	562	494	392	465	550	311
Osoyoos	662	601	625	620	610	721	701	486
Kamloops	613	535	527	585	514	640	595	427
Abbotsford	343	264	260	300	301	387	315	192
Vancouver	256	190	192	214	211	291	243	148
Victoria	226	174	180	210	217	265	231	134
Prince George	224	178	182	216	171	241	184	128

Almost all communities are continuing to experience dramatically increased accumulated degree days compared to last year and the 30 year average.

WNV Activity in Canada

(Data as of August 19, 2009)

As of August 8, four positive mosquito pools have been reported from Saskatchewan, these are the first positive mosquito pools reported in 2009. As previously reported, two positive dead birds tested by the Canadian Cooperative Wildlife Health Centre were reported from Ontario. There have been no positive human cases reported in Canada in 2009. Overall in Canada the activity has been lower compared to previous seasons.

WNV Activity in the US

- Washington:
 - There have been 206 positive pools, 7 positive birds and 12 positive horses.

- Activity continues to be located in the southern and central Counties of Washington State (Adams, Benton, Franklin, Grant, Kittitas, Yakima). The first western County (Mason) has also reported activity.
- No human cases have been identified.
- Oregon:
 - There have been 5 positive birds, 2 positive horses and 113 positive mosquito pools reported in Oregon.
 - Activity has been reported in 5 Counties located in the north and eastern part of Oregon.
 - No human cases have been identified.
- California:
 - 35 Counties are reporting WNV activity.
 - There have been 10 human cases reported in 2009 compared to 54 at the same time in 2008.
 - Positive indicators: 329 dead birds, 504 mosquito pools, 56 sentinel chicken flocks, 3 horses and 3 squirrels. All indicators continue to be lower compared to the same time in the 2008 season.

Other US states reporting WNV activity:

Data as of August 19; Sources: USGS survey

82 human cases of WNV have been reported in 20 States (including Montana and Idaho). 63% of human cases have been reported as encephalitis/meningitis. Three fatalities have been reported (Mississippi-2, Texas-1). The number of human cases is lower compared to this point in the 2008 season.

