



West Nile Virus Surveillance



West Nile Virus Surveillance Summary #5 Thursday, August 6, 2009

WNV Activity in BC (Data as of August 5, 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	88	67	254	1194
# 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 4 th	2009	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	270	251	344	315	214	256	332	189
Creston	376	335	472	410	306	368	437	243
Osoyoos	567	476	534	523	489	608	574	394
Kamloops	527	407	450	487	405	537	481	344
Abbotsford	306	188	218	248	232	309	252	146
Vancouver	226	133	160	178	157	233	192	110
Victoria	201	125	152	177	173	216	188	101
Prince George	188	123	159	190	139	192	146	98

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 5, 2009)

As of July 25, two positive dead birds tested by the Canadian Cooperative Wildlife Health Centre were reported from Ontario. There have been no positive human cases or mosquito pools reported in Canada.

WNV Activity in the US

- Washington:
 - There have been 161 positive pools reported in Washington State (100 in Yakima County, 57 in Benton County, 3 in Adams County, 1 in Grant County). 1 positive bird was reported in Benton County and 3 positive horses have been reported, 1 each in Benton, Yakima and Kittitas County.
 - No human cases have been identified.

- Oregon:
 - As of August 5, there have been 2 positive birds, 2 positive horses and 76 positive mosquito pools reported in Oregon.
 - Activity has been reported in 4 Counties located in the north and eastern part of Oregon.
 - No human cases have been identified.
- California:
 - 34 Counties are reporting WNV activity.
 - **Human activity reported.** There has been 5 human cases reported; at this point in 2008 California had reported 28 human cases. All states reporting human cases are located in the south and central parts of the State.
 - Positive indicators: 271 dead birds, 292 mosquito pools, 24 sentinel chicken flocks, 1 horse and 1 squirrel. All indicators are lower compared to the same time in the 2008 season.

Other US states reporting WNV activity:

Data as of August 5; Sources: USGS survey

35 human cases of WNV have been reported in 14 States. 66% of human cases have been reported as encephalitis/meningitis and one fatality has been reported in Mississippi. The number of human cases is lower compared to this point in the 2008 season.

