

Missouri Mosquito & Vector Control Association

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Newsletter

July 22, 2002

West Nile Virus Found in Birds in Mo in 2002

Dr. Howard Pue Chief of Surveillance for the Missouri State Department of Health and Senior Services announced Wednesday (7-16-02) that a Blue Jay from Stoddard County in southeastern Missouri tested positive for West Nile Virus. Then on Thursday he announced that a crow from St. Louis City tested positive also. Both birds had been submitted for testing to the USGS Lab in Madison WI in late June. In St. Louis City the amount of dead birds being reported had begun to climb as of 7-11-02.

On July 1st the state transferred their dead avian sampling testing to the Veterinary Lab at the Univ. of MO in Columbia where results are planned to take only five to six working days as opposed to the longer period from the USGS Labs. You can expect that the coming week will produce new positive samples from Missouri.

The Next MMVCA Meeting

The next Association Meeting will be held on Thursday October 17th, 2002 at the St. Peters City Hall Complex at 10am (please enter from the West doors). Those needing directions should contact our Vice President Larry Schaughnessy at 636-477-6600 x417 for directions.

Mr. Schaughnessy would like to welcome the following sustaining members to the organization: John Pallardy of Goellner Printing and Office Supply, Ted Bruesch of Lipa Tech, Janice Stroud of Aventis Environmental Science, Emmitt Bewley of B & G Chemical & Equipment, Dan Bezzole of Tom Pappas Toyota, & Bio-Quip Products of Gradena CA.

Mr. Schaughnessy invites those sustaining members to submit a full page and half page ad for us to include in our newsletters in the future.

In addition the following new members have joined the Association through the good work of Mr. Schaughnessy and Mr. Tom Sandler. They are: Ivah M. Scott-

Cole County Health, Rebecca Heffren City of Joplin, Dave Jones City of St. Peters, Patrick Boyle-Village of Lake Zurich IL, Dr. Howard Pue MO Dept. of Health, David Maritz of the City of O'Fallon, Jon Langerak of the City of Berkeley, Barry Drucker of the St. Charles County Dept. of Health, John Greenwood-of the Gasconade-Osage County Health Dept., Carl Olson of the Cole County Dept. of Health, and David Stull also of Cole County. The organization continues to grow and our mission of spreading the knowledge of Vector Control goes on.

Training

The Mayor's Office City of St. Louis has authorized us, at St. Louis City Vector Control Program to make training available to those who are interested. It has come to our attention that there are those who are utilizing products and practices to combat mosquito borne illness that are ineffective. As a result contact Mark F. Ritter at 314-622-4253 for training classes. Training will be conducted on a one to one basis but only a limited number of days are available. Already the Jefferson County Health Dept. has reserved 7-30 for their training. The training is free and hands on. Upon completion you will have a basic knowledge of integrated mosquito control practices and procedures from which to begin your own programs. Reservations must be made and they will be accepted on a reservation basis only.

Additional Training

Here are other sources of Mosquito Control Training in the United States; PHEREC at Florida State University Tallahassee FL, CDC at Ft. Collins CO (contact Dr. Robert Nasci at the CDC for details), Clarke Mosquito Control of Roselle IL contact Dana Dunklau for information on Mosquito University.

WNV-What DO I DO NOW?

Alright it's here in your state or community your phone is ringing off the hook you are getting calls from citizens, the media, and government officials, what do you do now? If you've been planning things before now you will simply implement your mosquito control action plan. However let's say that you just didn't get around to making one of those where should you start. Define how you are going to respond with a real world budget and personnel assessment.

Once that is there set up some type of reporting/surveillance program-that can be something as low tech as having someone drive around at night and stand at critical areas and count how many mosquitoes land on them (yep that's right someone has to give blood for the cause). If reality will not allow you to utilize traps, this human guinea pig/landing count approach can work. Our threshold in the City of St. Louis to activate adult mosquito control is quite low; five mosquitoes have to land on a person in a five-minute period.

Larval control needs to be started immediately! You must identify if your storm sewers hold water, and if they do, they need to be treated with a biological larvicide with a long residual action. Also pools, tires, gutters, anything that holds water needs to be addressed by being remediated or treated with Larvicides. Finally surface water sources need to be treated just like the storm water catch-basins.

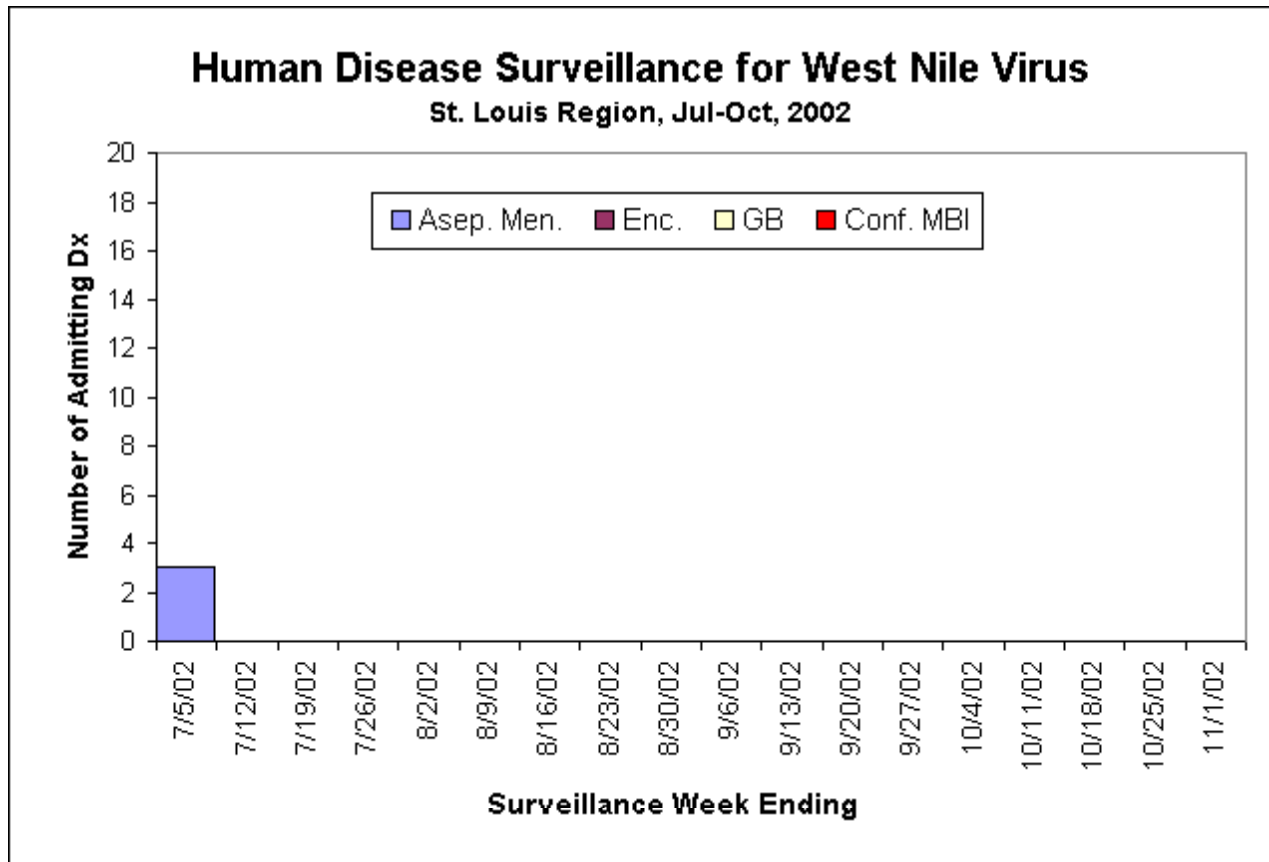
Now that the surveillance and larval control issues have been addressed you will need to make wise decisions with what type of Adult Control you need to apply. Be very careful to avoid the Wednesday night spray mentality also known as pump and dump. You should only use adult mosquito control when there is a real need (based on mosquito counts). For you to have real measurable success you must use an integrated mosquito control approach that utilizes all of these methods including remediation of breeding sites and education. **Far too many programs just adulticide-that is a major mistake do not do it!** This practice is wasteful, expensive, and an extremely inefficient method of combating mosquitoes.

As to what you should use and what machines you should buy those questions are best decided by considering your budget, program plan/goals, and local geography and environment of your community. Finally the most important decision you need to make is this *"do I need to apply pesticides, if I do, are they safe, and if so am I applying them correctly according to the label directions?* If you have read the label (not just listened to the sales rep.), understood it, and follow those directions, you will have a successful control agent in place and in use.

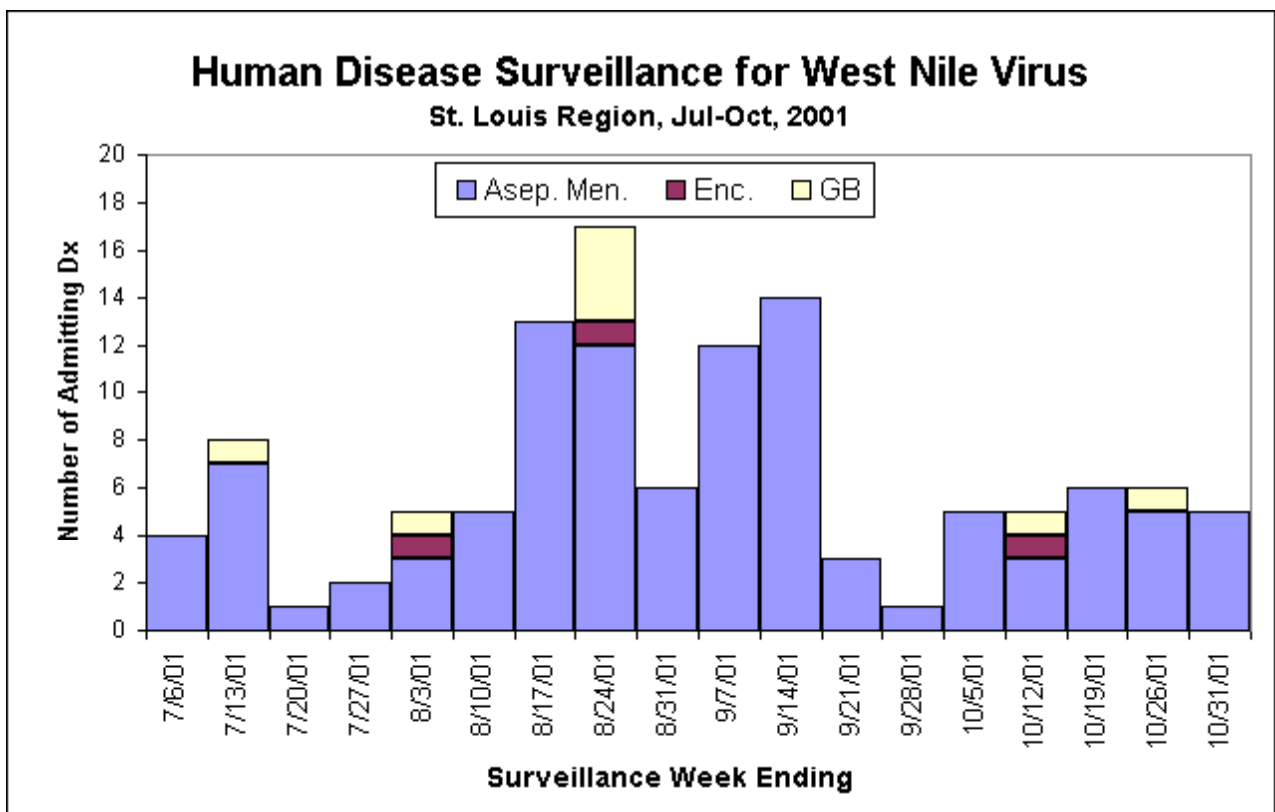
Finally most people who are in the mosquito control industry are reputable knowledgeable folks. Unfortunately there are those who are not. **READ THE PRODUCT LABEL!** Is it licensed to control mosquitoes OUTSIDE? In the case of Adulticides is it designed to be applied by Ultra Low Volume Cold Fog Application Methods? Then and only then buy it but make sure it is compatible with you machine as not all products are. Get the rep. to sign a letter stating that his product is compatible with your machine. Then good luck!

Week 1

St. Louis Region, 2002					
Surv Wk	Week Ending	Asep. Men.	Enc.	GB	Conf. MBI
1	7/5/02	3	0	0	0
2	7/12/02				
3	7/19/02				
4	7/26/02				
5	8/2/02				
6	8/9/02				
7	8/16/02				
8	8/23/02				
9	8/30/02				
10	9/6/02				
11	9/13/02				
12	9/20/02				
13	9/27/02				
14	10/4/02				
15	10/11/02				
16	10/18/02				
17	10/25/02				
18	11/1/02				
	Totals	3	0	0	0



St. Louis Region, 2001					
Surv Wk	Week Ending	Asep. Men.	Enc.	GB	
1	7/6/01	4	0	0	
2	7/13/01	7	0	1	
3	7/20/01	1	0	0	
4	7/27/01	2	0	0	
5	8/3/01	3	1	1	
6	8/10/01	5	0	0	
7	8/17/01	13	0	0	
8	8/24/01	12	1	4	
9	8/31/01	6	0	0	
10	9/7/01	12	0	0	
11	9/14/01	14	0	0	
12	9/21/01	3	0	0	
13	9/28/01	1	0	0	
14	10/5/01	5	0	0	
15	10/12/01	3	1	1	
16	10/19/01	6	0	0	
17	10/26/01	5	0	1	
18	10/31/01	5	0	0	
	Totals	107	3	8	



Cumul Thr Week 1 % Ch. YTD	Week 1	
	2001	2002
Asep Men	4	3
	4	3
	-25%	
Enc.	0	0
	0	0
	0	0
	N/A	
GB	0	0
	0	0
	0	0
	N/A	
Conf. MBI		

0

0

N/A