

Mosquito Abatement District Annual Report 2023

(as required by 70 ILCS 1005/et.seq.)

Complete and return this form by **January 12, 2024** to:

Illinois Department of Public Health
Division of Environmental Health
ATTN: Vector Control Program
525 W. Jefferson Street
Springfield, IL 62761

The report may also be submitted by email to: dph.vector@illinois.gov Please attach additional pages if necessary.

I. Mosquito Abatement District (MAD) General Information

Name of Mosquito Abatement District:	
Contact Person / Position or Title:	Telephone:
MAD Address (Street, City Zip):	
Email:	Legal size of district in square miles:
What was the district's annual budget?*	
Estimated population of MAD:	
District boundaries or names of townships in the MAD (or attach a map):	

* *Public agencies (such as mosquito abatement districts) should be able to supply this information, which should be available to citizens and other government agencies. If "NA" is listed, please explain why this information is not available to other government agencies or the public.*

II. Public Information and Education

- A. List any seminars, lectures, media interviews, and/or press releases conducted by the MAD in 2023. Please describe the subject matter discussed, quantity, and time frame of each occurrence.

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III. Mosquito and Vector Surveillance and Testing

- A. If the MAD conducts mosquito surveillance, please list the mosquito trap type, number of traps used during the mosquito season, and frequency of operation.

- B. If the MAD conducts mosquito surveillance, please list what type of mosquito pool testing method is used and which diseases mosquito pools are tested.

- C. List the local health department(s) to which the MAD reports mosquito testing data. Provide contact information for the local health department contact at each location.

IV. Source-Reduction Activities

- A. List all source-reduction activities conducted by the MAD in 2023. Please describe the type of activities conducted, including tire cleanup projects, and the number of activities conducted.

V. Biological Control Agents and Non-Mosquito Pests

A. If the MAD uses biological control agents, please list the species, number, and sites in which fish or other agents are used.

B. If the MAD controls non-mosquito vectors or pests, please state which non-mosquito vectors or pests are controlled and the method of control used.

VI. Insecticide Use

Please provide the following information.

A. Insecticides used by the MAD for mosquito larvicide and adulticide activities.

B. Number of applications

a. Larvicide

i. Permanent water applications

ii. Floodwater applications

iii. Catch basins

b. Adulticide

i. Total number of acres or linear road miles

ii. ULV calibration procedure frequency

VII. Insecticide Resistance

List any insecticide resistance monitoring the MAD has conducted in 2023. Please provide a summary of results, including insecticides tested, mosquito species used, and procedure followed.

VIII. Equipment

A. List the number of vehicles MAD uses for mosquito surveillance and control activities

B. List the number of vehicle-mounted spray units

IX. Personnel

A. List the number of full time personnel

B. List the number of part time personnel

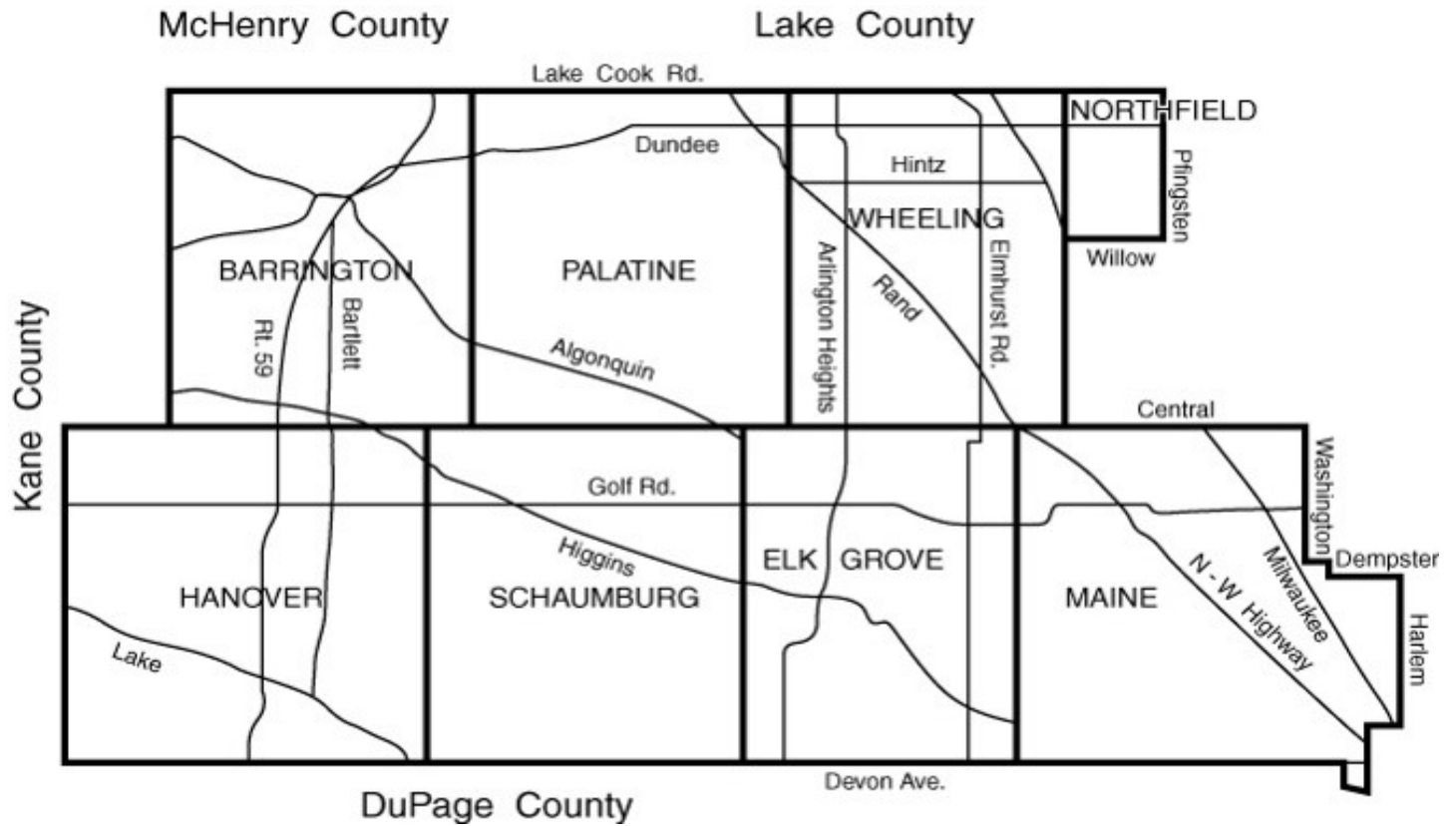
C. If a contractor is used, please provide contact name, phone number, and email address.

X. Comments

Please provide any additional information not covered in this form or any problems you experienced.

Additional information

District Map

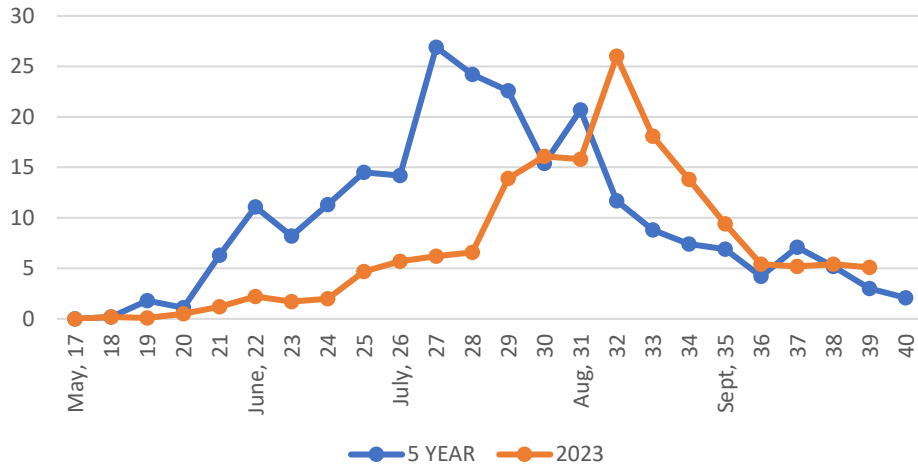


2023 Pesticide usage

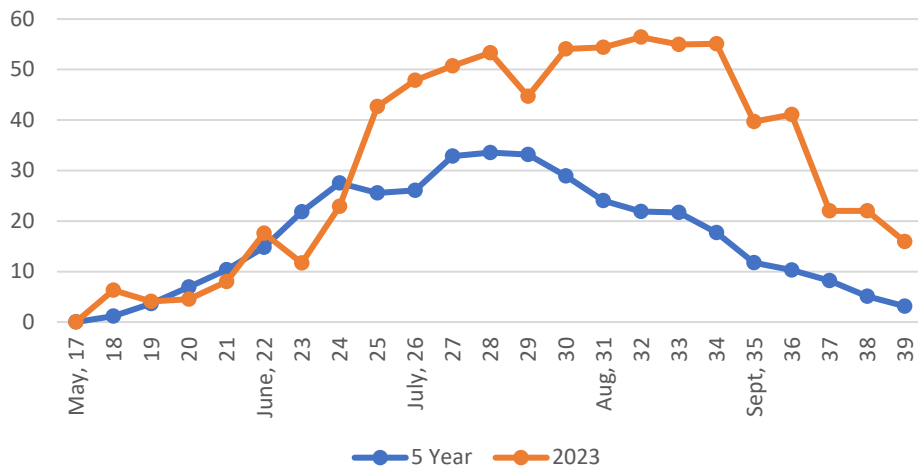
Product	USEPA Registration Number	Amount Used in 2023	Application Method
Altosid Pellets	2724-448	809 lb	backpack sprayer
Altosid XR Briquets	2724-421	51084 briquets	hand
Anvil 10+10	1021-1688-8329	200 gallons	Truck mounted ULV
VBC-60748 (Remoa Tri)	73049-526	22.5 gallons	Truck mounted ULV

Aedes/Ochlerotatus	2019		2020		2021		2022		2023	
	Count	%	Count	%	Count	%	Count	%	Count	%
albopictus	0	0.00%	0	0.00%	0	0.00%	0	0.00%	13	0.13%
canadensis	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
cinereus	44	0.35%	5	0.02%	6	0.03%	42	0.17%	54	0.53%
dorsalis	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
excrucians	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
fitchii	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
flavescens	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
grossbecki	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
japonicus*	9	0.07%	130	0.40%	2	0.01%	20	0.08%	20	0.20%
sollicitans	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
sticticus	2	0.02%	0	0.00%	3	0.01%	5	0.02%	3	0.03%
stimulans	1	0.01%	1	0.00%	3	0.01%	5	0.02%	2	0.02%
triseriatus	34	0.27%	3	0.01%	23	0.11%	12	0.05%	192	1.89%
trivittatus	155	1.22%	195	0.59%	1740	8.60%	535	2.14%	327	3.22%
vexans	6719	52.90%	3876	11.79%	13906	68.73%	17450	69.89%	4179	41.18%
undetermined	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Anopheles										
punctipennis	45	0.35%	28	0.09%	144	0.71%	542	2.17%	237	2.34%
quadrimaculatus	273	2.15%	157	0.48%	217	1.07%	540	2.16%	594	5.85%
walkeri	2	0.02%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
crucians	1	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Coquillettidia										
perturbans	947	7.46%	714	2.17%	13	0.06%	489	1.96%	572	5.64%
Culex										
erraticus	186	1.46%	3	0.01%	6	0.03%	214	0.86%	18	0.18%
pipiens	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
pipiens/restuans	2078	16.36%	27704	84.26%	2116	10.46%	2976	11.92%	3859	38.03%
restuans	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
salinarius	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
tarsalis	3	0.02%	3	0.01%	0	0.00%	0	0.00%	0	0.00%
territans	18	0.14%	2	0.01%	3	0.01%	12	0.05%	1	0.01%
undetermined	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Culiseta										
impatiens	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
inornata	47	0.37%	14	0.04%	5	0.02%	4	0.02%	4	0.04%
melanura	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
minnesotae	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
morsitans	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
undetermined	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Orthopodomyia										
signifera	2	0.02%	2	0.01%	0	0.00%	0	0.00%	1	0.01%
Psorophora										
ciliata	0	0.00%	0	0.00%	13	0.06%	0	0.00%	15	0.15%
columbinae	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
ferox	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
horrida	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
howardii	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
undetermined	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Uranotaenia										
sapphirina	116	0.91%	41	0.12%	10	0.05%	101	0.40%	56	0.55%
Undetermined										
spp.	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	12,701	100.00%	32878	100.00%	20,232	100.00%	24969	100.00%	10147	100.00%

Nuisance mosquitoes 5 year ave and 2023



West Nile virus vector mosquitoes



Vector Index by epi week

