

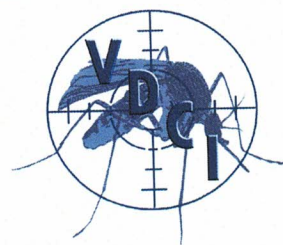
August, 2023 Mosquito Control Report

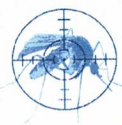


Jonesboro, AR

Prepared by:
Vector Disease Control
2221 South Church
Jonesboro, AR 72401
www.vdci.net
Office: 870-933-6939

Global Leaders in Mosquito Control





City of Jonesboro Activity Report

August, 2023

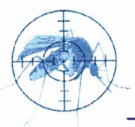
Vector Disease Control, Inc. (VDCI) provides a proven, scientific approach to mosquito control for the city of Jonesboro. VDCI's operations include larval and adult mosquito surveillance followed by the application of larvicides and adulticides. In addition, our office responds to **(41)** service requests from the public.

Mosquito Surveillance

VDCI has utilized a total of thirteen **(13)** New Jersey light traps placed in residential and recreational areas throughout Jonesboro during this reporting period. These traps collected an average of **31.4125** mosquitoes per trap night (**1655** total mosquitoes) during this time. There have been a total of **1** mosquito species collected.

Larval Control Activity

Permanent water, flood water, artificial containers, and drainage system sites are inspected for larval mosquito breeding on a regular basis. In total, **38** sites inspected with **12** sites having mosquito larvae present. As a result of these inspections **327** ounces of the larvicide VetoBac G was applied to these mosquito breeding sites. Additionally, VDCI is continuing to eliminate breeding habitats for artificial container mosquitoes by targeting bird baths, buckets, tires, etc.



ADULT MOSQUITO CONTROL ACTIVITY

In response to community events and mosquito surveillance data, VDCI applied adulticide (**30**) truck routes for this reporting period. All adulticide ULV applications were made with truck-mounted ULV units equipped with GPS-enabled monitors. During this report period, a total of **1,150.30** spray miles (**41,824.90** acres) were treated with a total of **277.80** gallons of adulticide in residential and recreational areas.

Summary

During this reporting period, VDCI has continued to provide exceptional control of larval and adult mosquito populations. VDCI will remain diligent in our surveillance and control activities to prevent a significant increase in the mosquito population. Based on recent weather conditions VDCI expects the trend of routine adulticiding and larviciding to continue. However, if VDCI detects a significant rise in the mosquito population we will increase larval and adult control. As always, VDCI welcomes residents with any mosquito-related questions or concerns to contact VDCI's Jonesboro office directly at 870.933.6939.

Ground Adulicide Applications

Start Date: 08/01/2023 End Date: 08/31/2023

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 01 Applications								
August 2023	08/16/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	48.9	44.2	1,606.4	10.0
	08/24/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	55.1	47.2	1,716.9	12.0
					<i>Total Permanone 30-30 (General Use) Applied: 22.0</i>			
					<i>Jonesboro Zone 01 Totals: 103.9 91.4 3,323.3 22.0</i>			

Jonesboro Zone 02B Applications								
August 2023	08/11/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:7	46.3	39.6	1,439.5	14.0
	08/17/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	53.2	46.5	1,689.7	10.0
					<i>Total Permanone 30-30 (General Use) Applied: 24.0</i>			
					<i>Jonesboro Zone 02B Totals: 99.4 86.1 3,129.1 24.0</i>			

Jonesboro Zone 03 Applications								
August 2023	08/03/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	39.0	26.0	945.4	6.0
	08/30/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	36.6	29.9	1,085.7	13.8
					<i>Total Permanone 30-30 (General Use) Applied: 19.8</i>			
					<i>Jonesboro Zone 03 Totals: 75.6 55.9 2,031.1 19.8</i>			

Vector Disease Control International
 2221 N Church St
 Jonesboro, AR 72401

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
-------	------	--------------	----------	-----------	------------	-------------	-------------	-----------------

Jonesboro Zone 04A Applications								
August 2023	08/08/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	42.7	42.4	1,543.1	10.0
<i>Total Permanone 30-30 (General Use) Applied:</i>					42.7	42.4	1,543.1	10.0
<i>Jonesboro Zone 04A Totals:</i>					42.7	42.4	1,543.1	10.0

Jonesboro Zone 04B Applications								
August 2023	08/02/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	50.6	49.3	1,794.0	10.0
	08/22/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	40.1	30.0	1,089.0	8.0
<i>Total Permanone 30-30 (General Use) Applied:</i>					18.0			
August 2023	08/08/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	55.6	40.8	1,483.1	9.0
<i>Total Permanone 31-66 (General Use) Applied:</i>					9.0			
<i>Jonesboro Zone 04B Totals:</i>					146.3	120.1	4,366.1	27.0

Jonesboro Zone 05A Applications								
August 2023	08/24/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:7	35.2	22.8	828.3	10.0
<i>Total Permanone 30-30 (General Use) Applied:</i>					10.0			
<i>Jonesboro Zone 05A Totals:</i>					35.2	22.8	828.3	10.0

Jonesboro Zone 05B Applications								
August 2023	08/04/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	43.1	42.7	1,553.3	9.0
	08/30/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:6	51.7	51.1	1,856.9	10.0

Vector Disease Control International
2221 N Church St
Jonesboro, AR 72401

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 05B Applications								
<i>Total Permethane 30-30 (General Use) Applied: 19.0</i>								
<i>Jonesboro Zone 05B Totals: 94.7 93.8 3,410.2 19.0</i>								

August 2023	08/07/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	57.2	47.2	1,716.9	11.0
<i>Total Permethane 30-30 (General Use) Applied: 11.0</i>								
August 2023	08/16/2023	Jonesboro	Permethane 31-66 (General Use) (432-1250)	1:7	56.4	38.2	1,390.0	7.0
<i>Total Permethane 31-66 (General Use) Applied: 7.0</i>								
<i>Jonesboro Zone 06 Totals: 113.6 85.4 3,107.0 18.0</i>								

Jonesboro Zone 07 Applications								
August 2023	08/15/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	55.8	47.2	1,714.4	10.0
August 2023	08/28/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	44.5	42.8	1,555.1	10.0
<i>Total Permethane 30-30 (General Use) Applied: 20.0</i>								
<i>Jonesboro Zone 07 Totals: 100.3 89.9 3,269.5 20.0</i>								

Jonesboro Zone 08A Applications								
August 2023	08/04/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	40.0	32.0	1,163.5	7.0
August 2023	08/14/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	39.0	33.0	1,199.9	8.0
August 2023	08/21/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	41.0	34.3	1,245.3	8.0
<i>Total Permethane 30-30 (General Use) Applied: 23.0</i>								

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
August 2023	08/08/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	44.0	40.0	1,454.4	7.0
<i>Total Permanone 31-66 (General Use) Applied: 7.0</i>								
Jonesboro Zone 08A Totals: 164.0 139.3 5,063.1 30.0								

Jonesboro Zone 08B Applications								
August 2023	08/02/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	48.6	36.9	1,340.2	7.0
	08/08/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	23.6	19.2	697.4	8.0
<i>Total Permanone 30-30 (General Use) Applied: 15.0</i>								
Jonesboro Zone 08B Totals: 72.2 56.0 2,037.6 15.0								

Jonesboro Zone 09 Applications								
August 2023	08/10/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	30.2	30.1	1,093.4	11.0
	08/23/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	53.4	45.4	1,650.0	11.0
<i>Total Permanone 30-30 (General Use) Applied: 22.0</i>								
August 2023	08/16/2023	Jonesboro	Permanone 31-66 (General Use) (432-1250)	1:7	76.0	60.3	2,193.6	7.0
<i>Total Permanone 31-66 (General Use) Applied: 7.0</i>								
Jonesboro Zone 09 Totals: 159.6 135.8 4,937.0 29.0								

Jonesboro Zone 10A Applications								
August 2023	08/10/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	28.7	17.0	618.9	7.0
	08/18/2023	Jonesboro	Permanone 30-30 (General Use) (432-1235)	1:4	40.0	31.7	1,151.9	7.0

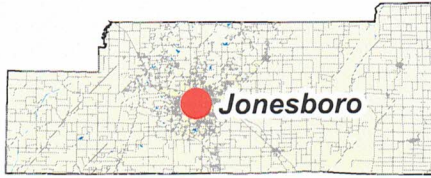
Vector Disease Control International
 2221 N Church St
 Jonesboro, AR 72401

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
Jonesboro Zone 10A Applications								
Total Permethane 30-30 (General Use) Applied: 14.0								
Jonesboro Zone 10A Totals: 68.7 48.7 1,770.7 14.0								

Jonesboro Zone 10B Applications								
August 2023	08/08/2023	Jonesboro	Permethane 31-66 (General Use) (432-1250)	1:7	60.6	43.7	1,588.6	13.0
Total Permethane 31-66 (General Use) Applied: 13.0								
Jonesboro Zone 10B Totals: 60.6 43.7 1,588.6 13.0								

Jonesboro Zone 11 Applications								
August 2023	08/16/2023	Jonesboro	Permethane 30-30 (General Use) (432-1235)	1:4	47.0	39.1	1,420.2	7.0
Total Permethane 30-30 (General Use) Applied: 7.0								
Jonesboro Zone 11 Totals: 47.0 39.1 1,420.2 7.0								
Grand Totals: 1,383.9 1,150.3 41,824.9 277.8								

Craighead County

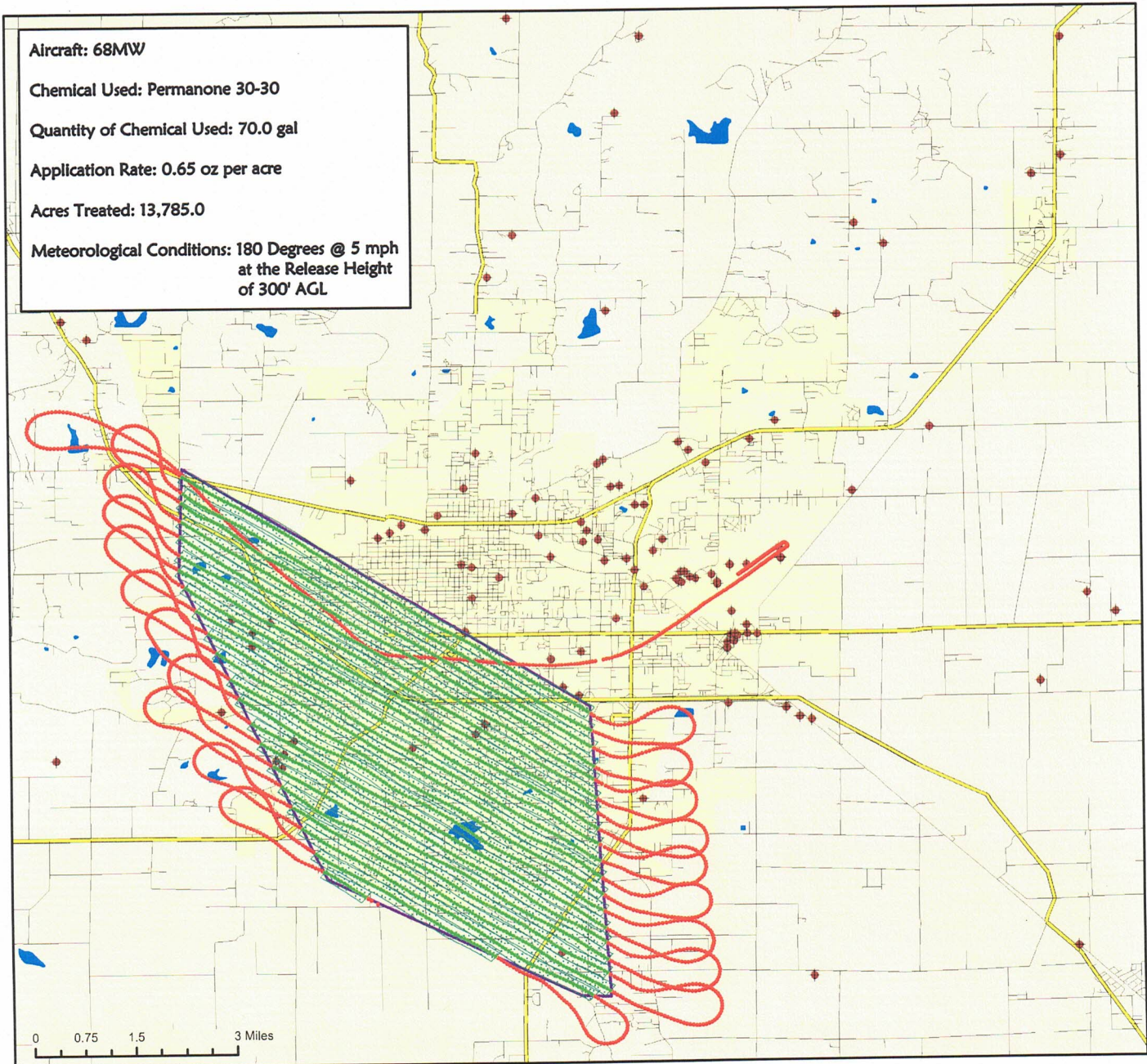


Jonesboro, Arkansas

Aerial Adulticide Application Date:
August 5, 2023



- Flight Line**
- Spray Off
- Spray On
- Towers
- Spray Deposition
- Treatment Areas



0 0.75 1.5 3 Miles