

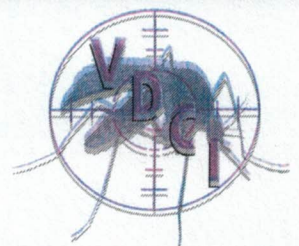
# Sept/Oct 2021 Year to Date Mosquito Control Report



Jonesboro, AR

Prepared by:  
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Global Leaders in Mosquito Control







## **City of Jonesboro Activity Report**

**September/October 2021  
Year to Date**

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 service requests from the public.

### **Mosquito Surveillance**

VDCI has utilized a total of **(13)** New Jersey light traps placed in residential and recreational areas throughout Jonesboro. These traps collected an average of **18.73** mosquito per trap night (**1,218** total mosquitoes) during this time. There have been a total of **3** mosquito species collected, with **Annophles Quadrimaculatus** being the most predominant species.

### **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, **19** sites inspected with **0** sites having mosquito larvae present. As a result of these inspections, **0.00** ounces of granular BTI (Aquabac 200g) was applied to these mosquito breeding sites. Additionally, VDCI is continuing to eliminate breeding habitat for artificial container mosquitoes by targeting bird baths, buckets, tires etc.

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### **Adult Mosquito Control Activity**

In response to community events and mosquito surveillance data, VDCI applied the adulticide on **35** 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 **1,454.60** spray miles (**52,890.40 acres**) were treated with a total of **270.00** gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to **21** service request and adulticided all parks, and any special events during the month.

### **Summary**

Throughout 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. 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 855.933.6939.





# Ground Adulticide Applications

Start Date: 09/01/2021 End Date: 10/15/2021

Jonesboro											
Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed			
<i>Jonesboro Zone 01 Applications</i>											
September 2021	09/01/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	49.8	45.1	1,638.4	7.0			
	09/16/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	54.6	45.5	1,652.6	7.0			
	09/20/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	53.3	47.3	1,718.4	7.0			
October 2021	10/06/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	55.6	37.5	1,361.7	5.0			
	10/07/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	46.3	46.1	1,675.1	10.0			
					Total Perm-X UL 30-30 Applied:		36.0				
					Jonesboro Zone 01 Totals:		259.6	221.3	8,046.1	36.0	
<i>Jonesboro Zone 02A Applications</i>											
October 2021	10/08/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	43.9	43.7	1,587.5	8.0			
					Total Perm-X UL 30-30 Applied:		8.0				
					Jonesboro Zone 02A Totals:		43.9	43.7	1,587.5	8.0	
<i>Jonesboro Zone 02B Applications</i>											
September 2021	09/02/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	42.7	35.5	1,291.5	7.0			

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2221 N Church St  
Jonesboro, AR 72401

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
	09/27/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	45.4	45.1	1,638.8	7.0
October 2021	10/01/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	36.9	36.6	1,330.8	8.0
<b>Total Perm-X UL 30-30 Applied: 22.0</b>								
<b>Jonesboro Zone 02B Totals: 125.0 117.2 4,261.0 22.0</b>								

Jonesboro Zone 03 Applications								
September 2021	09/01/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	60.9	60.5	2,199.4	12.0
	09/07/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	52.5	51.9	1,887.8	10.0
	09/17/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	45.5	45.1	1,638.8	3.0
	09/22/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	47.8	47.4	1,724.2	10.0
<b>Total Perm-X UL 30-30 Applied: 35.0</b>								
<b>Jonesboro Zone 03 Totals: 206.7 204.9 7,450.2 35.0</b>								

Jonesboro Zone 04 Applications								
September 2021	09/03/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:3	41.1	40.9	1,485.3	9.0
	09/08/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	47.8	29.1	1,057.4	5.0
	09/17/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	53.0	48.0	1,745.3	8.0
	09/23/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	39.6	38.6	1,404.2	8.0
<b>Total Perm-X UL 30-30 Applied: 30.0</b>								
<b>Jonesboro Zone 04A Totals: 181.4 156.6 5,692.2 30.0</b>								

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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Jonesboro Zone 04B - 2021</b>								
September 2021	09/03/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	54.6	36.3	1,319.9	6.0
	09/15/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	42.4	42.3	1,538.0	7.0
	09/20/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	44.8	44.5	1,617.7	9.0
<b>Total Perm-X UL 30-30 Applied: 22.0</b>								
<b>Jonesboro Zone 04B Totals: 141.8 123.1 4,475.6 22.0</b>								

<b>Jonesboro Zone 05A - 2021</b>								
September 2021	09/03/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:3	44.2	43.9	1,595.5	7.0
<b>Total Perm-X UL 30-30 Applied: 7.0</b>								
<b>Jonesboro Zone 05A Totals: 44.2 43.9 1,595.5 7.0</b>								

<b>Jonesboro Zone 06 - 2021</b>								
September 2021	09/01/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	58.5	45.8	1,665.3	8.0
	09/08/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	53.6	53.2	1,933.6	10.0
	09/16/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	41.2	41.0	1,489.7	8.0
<b>Total Perm-X UL 30-30 Applied: 26.0</b>								
<b>Jonesboro Zone 06 Totals: 153.4 140.0 5,088.6 26.0</b>								

<b>Jonesboro Zone 07 - 2021</b>								
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Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
September 2021	09/23/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	35.4	32.9	1,194.4	6.0
<b>Total Perm-X UL 30-30 Applied: 6.0</b>								
<b>Jonesboro Zone 07 Totals: 35.4 32.9 1,194.4 6.0</b>								

Jonesboro Zone 08A Applications								
September 2021	09/07/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	40.0	39.6	1,438.0	7.0
	09/14/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	42.7	41.8	1,520.9	8.0
	09/24/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	36.8	36.6	1,330.4	8.0
<b>Total Perm-X UL 30-30 Applied: 23.0</b>								
<b>Jonesboro Zone 08A Totals: 119.6 118.0 4,289.4 23.0</b>								

Jonesboro Zone 08B Applications								
September 2021	09/14/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	37.9	29.8	1,082.4	7.0
<b>Total Perm-X UL 30-30 Applied: 7.0</b>								
<b>Jonesboro Zone 08B Totals: 37.9 29.8 1,082.4 7.0</b>								

Jonesboro Zone 10A Applications								
September 2021	09/02/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	45.8	45.4	1,651.1	10.0
	09/20/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:7	35.0	23.0	836.3	3.0
<b>Total Perm-X UL 30-30 Applied: 13.0</b>								
<b>Jonesboro Zone 10A Totals: 80.8 68.4 2,487.4 13.0</b>								



Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
<b>Jonesboro Zone 10B - Applications</b>								
September 2021	09/07/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	49.4	34.1	1,239.9	9.0
	09/13/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	42.7	42.4	1,542.0	9.0
					<b>Total Perm-X UL 30-30 Applied: 18.0</b>			
					<b>Jonesboro Zone 10B Totals: 92.1 76.5 2,781.9 18.0</b>			

<b>Jonesboro Zone 11 - Applications</b>								
September 2021	09/02/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	49.9	39.5	1,436.2	9.0
	09/10/2021	Jonesboro	Perm-X UL 30-30 (89459-44)	1:5	51.4	39.1	1,422.0	8.0
					<b>Total Perm-X UL 30-30 Applied: 17.0</b>			
					<b>Jonesboro Zone 11 Totals: 101.3 78.6 2,858.3 17.0</b>			
					<b>Grand Totals: 1,623.1 1,454.6 52,890.4 270.0</b>			





## Year-end Totals: 2021

Adulticiding-

Total chemical sprayed: 7,367.20 gallons

Total nights sprayed: 177

Total miles treated: 9,071.30 (actual miles)

Total acres treated: 268,203.80

Service Request Total: 216

Larviciding-

Total larvicide used: 427 ounces

Total inspection sites treated: 325

Light Trap Surveillance-

Total mosquitoes collected; 6,423

Total mosquitoes 163.582

Total species collected: 3

## Aerial

Aerial Sprays-8

Total Gallons:701.83

Total Acres: 121,359