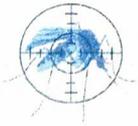


Sept-October 2024 YTD Mosquito Control Report

Jonesboro, AR



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



City of Jonesboro Activity Report

September / October 2024

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.

Mosquito Surveillance

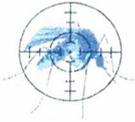
VDCI has utilized a total of **(13)** New Jersey light traps placed in residential and recreational areas throughout Jonesboro. These traps collected an average of **6.46** mosquitoes per trap night (**1,189**) total mosquitoes during this time. There have been a total of **3** mosquito species collected.

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, **65** sites were inspected with **16** sites having mosquito larvae present. As a result of these inspections, **480.00** ounces of granular BTI (VectoBacG) 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.

Adult Mosquito Control Activity





In response to community events and mosquito surveillance data, VDCI applied the adulticide on **18** 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 **614.10** spray miles and **22,327.90 acres** were treated with a total of **154.3** gallons of adulticide in residential and recreational areas. In addition to routine truck spraying, VDCI has responded to **56** service requests and adulticided all parks, and any special events during the month.

VDCI performed **3** aerial spraying during this reporting period. A total of **175** gallons of chemical was dispensed treating a total of **33,939** acres.

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.

Vector Disease Control International
Year-To-Date Comparison
2023 - 2024 Season

	May 2023	May 2024	June 2023	June 2024	July 2023	July 2024	Aug 2023	Aug 2024	Sept Oct 2023	Sept Oct 2024	YTD 2023	YTD 2024
Light Trap Surveillance:												
Total Mosquitos Collected	29	217	696	9,179	1667	5,504	1655	1303	376	1189	4423	17,392
Total Average Mosquito Collected (Per Trap Per Day)	1.0825	8.346	13.30125	25.217	32.48325	13.88	31.4125	7.34	7.128	6.46	85.4075	61.243
Total Average Species	2	3	2	3	2	3	1	3	3	3	3	3
Larviciding:												
Total Inspected Sites	7	40	81	59	13	65	38	12	0	65	139	241
Total Sites with Larvicide	4	0	6	20	2	25	12	4	0	16	24	73
Total Larvicide Used (In Ounces)	232	0	15	800	96	1,728	327	168	0	480	670	3,176
Adulticiding:												
Total Spray Miles	560.5	97.2	1,098.40	1,864.90	1193.5	1,965.20	1150.3	1145.4	233.3	614.1	4,236.00	5,686.80
Total Acres Treated	20,381.10	3,534.60	39,937.50	67,804.50	43,396.80	71,454.30	41,824.9	41,645.30	8481.7	22,327.90	154,022.00	206,766.60
Total Gallons Sprayed	105	26.9	298	442	264	416	277.8	258	48	154.3	992.8	1297.2
Total Nights Sprayed	7	3	16	17	18	19	20	14	7	10	68	63
Aerials:												
Aerial Sprays	0	0	0	0	3	1	4	2	0	3	7	6
Total Gallons	0	0	0	0	93	120	271	114	0	175	364	409
Total Acres	0	0	0	0	18037	23,273	52,952	22,109	0	33,939	70,989	79,321
Requested Services:	0	9	51	58	35	53	41	23	4	56	131	199

Ground Adulicide Applications

Start Date: 09/01/2024 End Date: 10/31/2024

Jonesboro

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
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Jonesboro Zone 02B Applications

October 2024	10/10/2024	Jonesboro	CSI 30-30 (53883-298)	1:7	51.0	45.0	1,636.2	9.0
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Total CSI 30-30 Applied: 9.0

Jonesboro Zone 02B Totals: 51.0 45.0 1,636.2 9.0

Jonesboro Zone 04A Applications

September 2024	09/18/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	48.0	35.0	1,272.6	11.0
	09/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	52.0	41.0	1,490.8	9.0

Total CSI 30-30 Applied: 20.0

Jonesboro Zone 04A Totals: 100.0 76.0 2,763.4 20.0

Jonesboro Zone 04B Applications

September 2024	09/06/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	40.0	27.0	981.7	10.0
	09/18/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	49.1	45.4	1,650.4	9.0
October 2024	10/11/2024	Jonesboro	CSI 30-30 (53883-298)	1:7	46.1	31.3	1,137.3	10.0

Total CSI 30-30 Applied: 29.0

Jonesboro Zone 04B Totals: 135.2 103.7 3,769.4 29.0

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed		
Jonesboro Zone 05A Applications										
September 2024	09/18/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	41.0	27.3	991.5	6.0		
	09/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:4	37.2	29.4	1,069.4	7.0		
October 2024	10/11/2024	Jonesboro	CSI 30-30 (53883-298)	1:7	42.0	30.0	1,090.8	5.0		
					Total CSI 30-30 Applied:			18.0		
					Jonesboro Zone 05A Totals:		120.2	86.7	3,151.7	18.0
Jonesboro Zone 06 Applications										
September 2024	09/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	50.8	40.7	1,478.0	15.3		
					Total CSI 30-30 Applied:			15.3		
					Jonesboro Zone 06 Totals:		50.8	40.7	1,478.0	15.3
Jonesboro Zone 08A Applications										
September 2024	09/23/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	13.0	10.0	363.6	3.0		
					Total CSI 30-30 Applied:			3.0		
					Jonesboro Zone 08A Totals:		13.0	10.0	363.6	3.0
Jonesboro Zone 08B Applications										
October 2024	10/03/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	41.0	33.0	1,199.9	9.0		
					Total CSI 30-30 Applied:			9.0		
					Jonesboro Zone 08B Totals:		41.0	33.0	1,199.9	9.0

Month	Date	Municipality	Chemical	Mix Ratio	Trip Miles	Spray Miles	Spray Acres	Gallons Sprayed
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Jonesboro Zone 10A Applications

September 2024	09/17/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	38.2	29.1	1,058.8	7.0	
<i>Total CSI 30-30 Applied: 7.0</i>									
					<i>Jonesboro Zone 10A Totals:</i>	38.2	29.1	1,058.8	7.0

Jonesboro Zone 10B Applications

September 2024	09/25/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	52.0	35.0	1,272.6	10.0	
October 2024	10/10/2024	Jonesboro	CSI 30-30 (53883-298)	1:7	62.0	48.0	1,745.3	10.0	
<i>Total CSI 30-30 Applied: 20.0</i>									
					<i>Jonesboro Zone 10B Totals:</i>	114.0	83.0	3,017.9	20.0

Jonesboro Zone 11 Applications

September 2024	09/17/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	39.5	34.2	1,243.5	7.0	
	09/24/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	43.6	30.7	1,116.3	7.0	
October 2024	10/03/2024	Jonesboro	CSI 30-30 (53883-298)	1:5	59.1	42.1	1,529.3	10.0	
<i>Total CSI 30-30 Applied: 24.0</i>									
					<i>Jonesboro Zone 11 Totals:</i>	142.2	107.0	3,889.1	24.0
					<i>Grand Totals:</i>	805.6	614.1	22,327.9	154.3

Craighead County



Jonesboro, Arkansas

Aerial Adulticide Application Date:
September 24, 2024



Flight Line

Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Aircraft: 40588

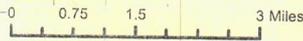
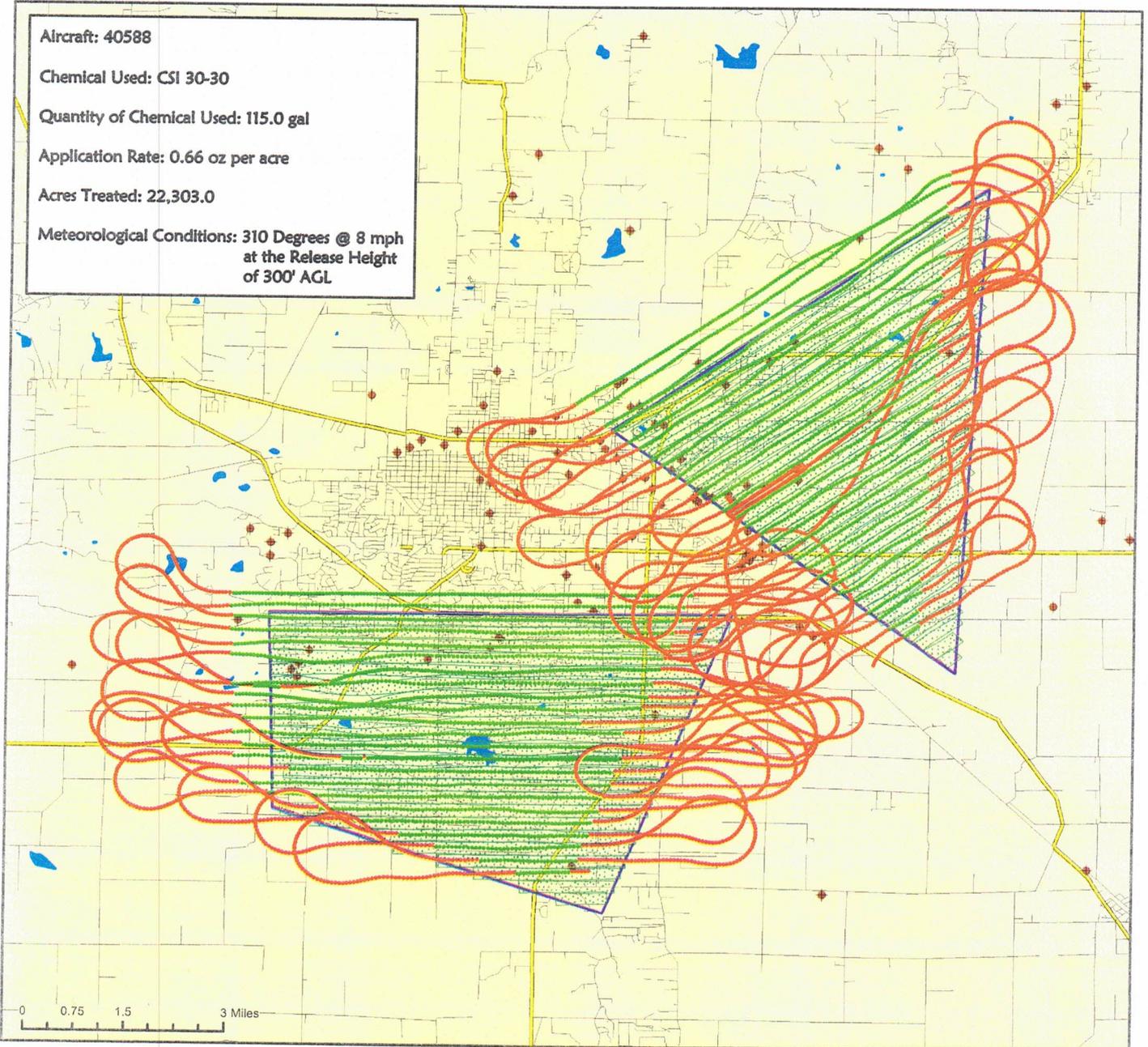
Chemical Used: CSI 30-30

Quantity of Chemical Used: 115.0 gal

Application Rate: 0.66 oz per acre

Acres Treated: 22,303.0

Meteorological Conditions: 310 Degrees @ 8 mph
at the Release Height
of 300' AGL



Craighead County



Jonesboro, Arkansas

Aerial Adulticide Application Date:
October 7, 2024



Flight Line

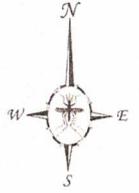
Spray Off

Spray On

Towers

Spray Deposition

Treatment Areas



Aircraft: 68MW

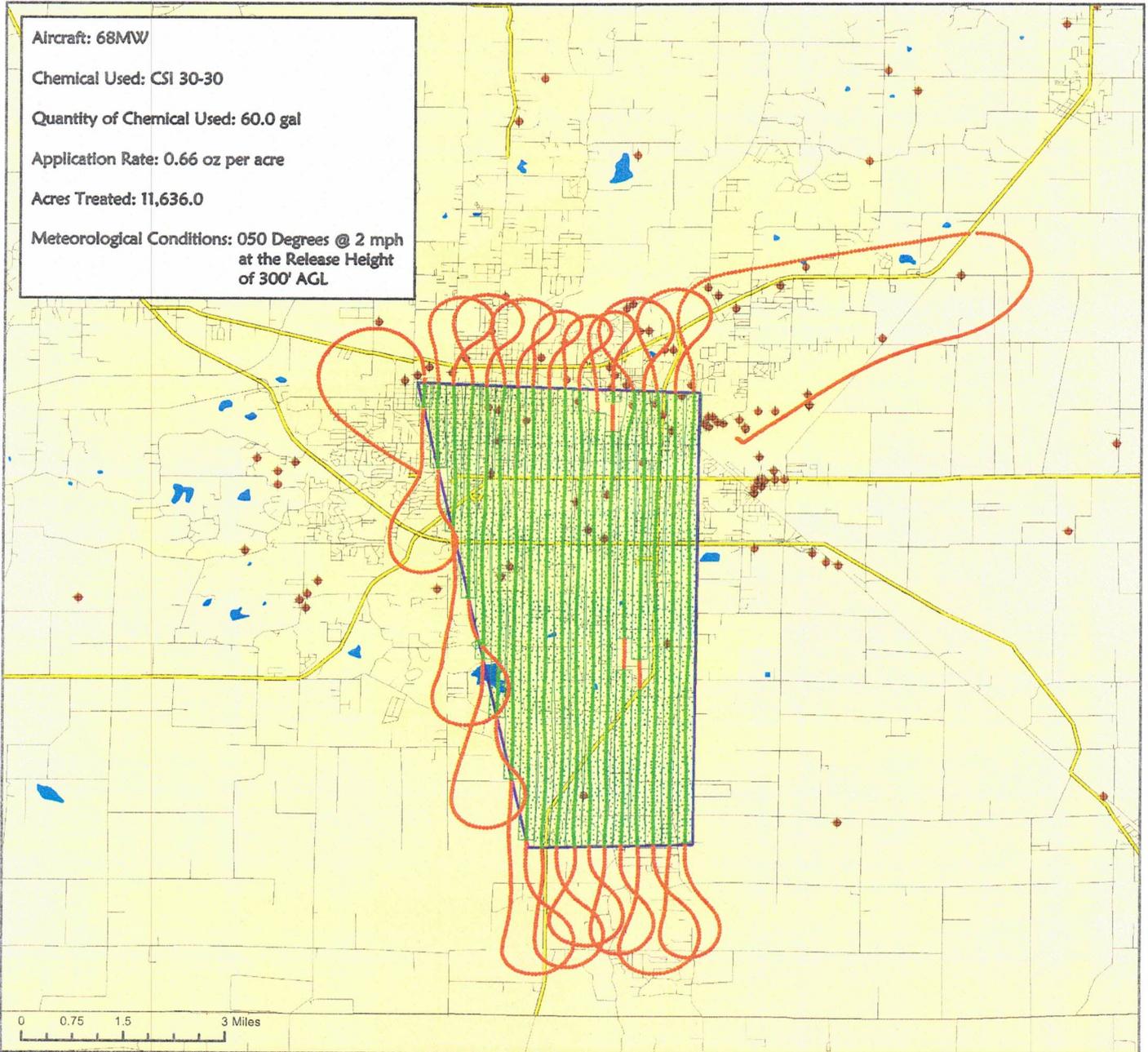
Chemical Used: CSI 30-30

Quantity of Chemical Used: 60.0 gal

Application Rate: 0.66 oz per acre

Acres Treated: 11,636.0

Meteorological Conditions: 050 Degrees @ 2 mph
at the Release Height
of 300' AGL



VDCI
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Little Rock, AR 72202

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