

# Annual Noxious Weed Eradication Progress Report 2021



as required by KSA 2-1316

Noxious Weed Supervisor:

John Landon

## Shawnee County Weed Department

### Noxious Weed Department Personnel

Name	Job Title	% Time Spent on Noxious Weeds	Weed Director Salary
John Landon	Weed Director	100	[REDACTED]

### Financial Summary - Noxious Weed Fund

	Amount
Mll levy for 2021	50.999
County valuation for 2021	\$1,834,752,195.00
Beginning Budget Balance for 2021	\$297,272.37

#### Revenues

Chemicals	\$220,212.39	
Equipment & Labor	\$63,636.44	
Equipment Rentals	\$11,399.42	
<b>Total Revenue</b>		<b>\$295,248.25</b>

#### Expenditures

Personnel Services	\$180,120.54	
Contractual Services	\$2,915.71	
Chemical Purchases	\$187,436.60	
Vehicle Equipment & Supplies	\$20,104.33	
Other Commodities	\$64,440.17	
<b>Total Expenditures</b>		<b>\$455,017.35</b>

**Ending Budget Balance                      \$0.00**

Carryover to next year's budget for 2021 to 2022 \$0.00

### Capital Outlay Fund

	Amount
Beginning Balance	\$166,802.32
Receipts	\$97,650.00
Expenditures	\$62,324.62
<b>Ending Balance</b>	<b>\$202,127.70</b>

Tuck Leases, Skid sprayers, Equipment trailer

Annual Noxious Weed Eradication Progress Report  
 Shawnee County Weed Department

Year  
 2021 ★

Estimated Acreage of Noxious Weeds

Noxious Weed	Private	County	Township	State	Federal	City	Total
Field Bindweed	751.3	254.6		244.6		244.3	1494.8
Johnsongrass	1699.4	133.8		249.3			2082.5
Musk Thistle	856.7	128.6		299.6			1284.9
Sericea Lespedeza	4067.4	58.5					4125.9
Totals	7374.8	575.5		793.5		244.3	8988.1

Estimated Acreage of Noxious Weed on Private Land sub-section

Noxious Weed	Wheat	Corn	Soybean	Grain	CRP	Pasture	Other	Fallow	Non-Ag	Total
Field Bindweed			122.6			62.9	565.8			751.3
Johnsongrass		478.3	605.5			239.6	376.0			1699.4
Musk Thistle						477.2	379.5			856.7
Sericea Lespedeza						2031.4	2027.7		8.3	4067.4
Totals		478.3	728.1			2811.1	3349.0		8.3	7374.8

Weeds declared Noxious by the County:      Multiflora Rose       Bull Thistle

Herbicide Disbursement Summary

Chemical	Purchase Price	Cost Share Price	Total Disbursed
2-4 D Amine	\$20.13	\$15.70	4000.000 gal
2-4 D Choline	\$27.90	\$21.60	25.000 gal
2-4 D Choline	\$0.19	\$0.19	11623.000 oz
2-4 D Ester	\$16.80	\$13.20	95.000 gal
Aminopyralid	\$2.22	\$2.22	106.000 oz
Aminopyralid	\$71.00	\$54.75	13.000 qt
Dicamba	\$19.40	\$19.40	20.000 gal
Glyphosate	\$21.07	\$16.43	3060.000 gal
Glyphosate Dry	\$1.73	\$1.50	1717.500 oz
Imazapic	\$238.00	\$180.00	3.000 gal
Imazapic	\$0.79	\$0.79	4903.200 oz
Imazapyr + Diuron	\$9.10	\$9.10	10.000 lb
Metsulfuron Methyl Dry	\$2.84	\$2.31	8208.000 oz
Picloram	\$45.09	\$35.32	575.000 gal
Picloram	\$0.36	\$0.36	4747.000 oz
Triclopyr	\$48.33	\$37.81	1288.000 gal
Triclopyr + Fluroxypyr	\$95.00	\$72.75	4.000 gal
Triclopyr + Fluroxypyr	\$0.74	\$0.74	701.000 oz

## Enforcement Summary

Warning Notices	18
Legal Notices	3
Court Cases	0

Diversion Agreements	0
Accounts to Tax Roll	0
Meetings Sponsored	1

Demonstration Plots	0
Feed and Hay Inspection	0
Publish General Notice	2

Enforcement Comments:

We certify this is a correct copy of the Shawnee County Weed Department Program for 2021

We certify that John Landon is employed as Shawnee County Weed Department Director for 2022

 \_\_\_\_\_  
Chairman/Board of County Commissioners Date 2/24/2022

 \_\_\_\_\_  
County Commissioner Date 2/24/2022

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County Commissioner Date 2/24/2022

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County Commissioner Date \_\_\_\_\_

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County Commissioner Date \_\_\_\_\_

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County Noxious Weed Director Date 2/23/22

Annual Noxious Weed Eradication Progress Report  
Treatment Summary

2021 ★

Shawnee County Weed Department

Acres Treated

Noxious Weed	Private	County	Township	State	Federal	City	Cost Share	Total
Noxious Weed								
Field Bindweed	4487.8	586.5	145.1	182.0		250.5		5651.9
Johnsongrass	2433.0	401.3	125.6	146.0		231.0		3336.9
Musk Thistle	23240.1	587.8	231.7	156.5		327.0		24543.1
Sericea Lespedeza	25647.0	707.8	22.7	25.4				26402.9
Totals	55807.9	2283.4	525.1	509.9		808.5		59934.8

Acres Treated on Private Land sub-section

Noxious Weed	Wheat	Corn	Soybean	Grain	CRP	Pasture	Other	Fallow	Non-Ag	Total
Noxious Weed										
Field Bindweed			40.0			1835.5	0.7		2397.1	4482.8
Johnsongrass						1616.5			670.1	2433.0
Musk Thistle						21312.1	10.0		450.0	23240.1
Sericea Lespedeza						24951.0			152.0	25647.0
Totals			40.0			49715.1	10.7		3669.2	55802.9

# Annual Noxious Weed Eradication Progress Report

## Shawnee County Weed Department

2021 ★

### Field Bindweed

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Enforcement													0
Warning Notice													0
Legal Notice													0
Court Cases													0
Diversion Agreements													0

Acreege Treated	January	February	March	April	May	June	July	August	September	October	November	December	Totals
City			100.0	80.0	43.5	20.0	6.0	1.0					250.5
County	40.0		50.0	100.0	15.0	60.0	120.0	95.0					586.5
Private					5.0								5.0
Private Hay Field			10.0		35.0	5.0		200.2					250.2
Private Non-Ag			65.3	418.4	246.7	768.9	589.1	268.8	34.7	5.2			2397.1
Private Pasture			80.2	408.2	215.1	400.0	190.1	366.6	105.0		45.1	25.2	1835.5
State				10.0	66.9		42.6	62.5					182.0
Township										145.1			145.1
<b>Total Acreege</b>	<b>40.0</b>		<b>305.5</b>	<b>1016.6</b>	<b>627.2</b>	<b>1283.9</b>	<b>947.8</b>	<b>994.1</b>	<b>139.7</b>	<b>150.3</b>	<b>45.1</b>	<b>131.7</b>	<b>5651.9</b>

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
2-4 D Amine or LV Ester			20.0	470.0	170.0	220.0	250.0	650.0	110.0		20.0		1910.0
2-4 D Choline				100.0	33.5	5.0	48.6	3.5		145.1			382.2
Dicamba			0.0										0.0
Glyphosate	40.0		285.5	414.6	380.8	1028.9	649.2	340.6	29.7	5.2	25.1	86.2	3284.8
Imazapyr					1.0								1.0
Pictoram				32.0	41.9								73.9
<b>Total Acreege</b>	<b>40.0</b>		<b>305.5</b>	<b>1016.6</b>	<b>627.2</b>	<b>1253.9</b>	<b>947.8</b>	<b>994.1</b>	<b>139.7</b>	<b>150.3</b>	<b>45.1</b>	<b>131.7</b>	<b>5651.9</b>

# Annual Noxious Weed Eradication Progress Report

## Shawnee County Weed Department

### Johnsongrass

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Enforcement													
Warning Notice							1						1
Legal Notice													0
Court Cases													0
Diversion Agreements													0

Acres Treated	January	February	March	April	May	June	July	August	September	October	November	December	Totals
City				10.0		10.0	121.0	59.0	31.0				231.0
County				20.0		15.0	162.0	66.0	4.0			40.0	401.3
Private Hay Field			15.7	45.0		10.0		35.0					105.7
Private Non-Ag			5.0	25.0	15.1	40.0	225.0	155.0	175.0		30.0		670.1
Private Other					0.7								0.7
Private Pasture			20.0	445.1	40.0	170.0	230.0	225.7	210.7	10.0	80.0		1616.5
Private Soybean						30.0	75.0	21.0					40.0
State		20.0					10.0	10.0					146.0
Township				20.0						85.6			125.6
Total/Acreage	20.0	40.7	565.1	55.8	275.0	823.0	611.7	420.7	125.6	120.0	279.3	3336.9	

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Glyphosate	20.0	30.0	565.1	55.8	275.0	680.0	510.0	375.0	40.0	120.0	225.0	2895.9	
Imazapic		10.7				143.0	101.7	45.7	85.6		54.3	441.0	
Total/Acreage	20.0	40.7	566.1	55.8	275.0	823.0	611.7	420.7	125.6	120.0	279.3	3336.9	

# Annual Noxious Weed Eradication Progress Report

## Shawnee County Weed Department

2021 ★

### Musk Thistle

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Enforcement													
Warning Notice						5							5
Legal Notice							1						1
Court Cases													0
Diversion Agreements													0

Acres Treated	January	February	March	April	May	June	July	August	September	October	November	December	Totals
City			200.0		13.5		7.5	106.0					327.0
County					80.0	76.3	18.0	6.0	75.0	144.0			587.8
Private Hay Field			606.0	170.0	440.0	100.0		40.0		112.0			1468.0
Private Non-Ag			70.0	20.0	50.0	150.0	100.0	40.0		20.0			450.0
Private Other								10.0					10.0
Private Pasture		26.0	506.0	2529.0	5006.1	4460.0	2923.0	2174.0	2320.0	846.0	260.0	262.0	21312.1
State					61.9		50.6	3.5	40.5				156.5
Township			10.0	40.0						181.7			231.7
Total Acres	26.0	1392.0	2759.0	5651.5	4786.3	3097.1	2379.5	2435.5	1303.7	260.0	452.5	24543.1	

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
2,4 D Amine or LV Ester	10.0	480.0	2280.0	3060.0	3900.0	1990.0	1080.0	960.0	290.0	260.0	70.0		14380.0
2,4 D Choline			10.0	33.5					47.5				91.0
Aminopyralid				5.0	4.0		4.0	78.0					91.0
Metsulfuron methyl	16.0	160.0			80.0		5.0						261.0
Pictoram		752.0	464.0	2554.0	806.3	1098.1	1221.5	1428.0	1013.7		382.5		9720.1
Total Acres	26.0	1392.0	2759.0	5651.5	4786.3	3097.1	2379.5	2435.5	1303.7	260.0	452.5	24543.1	

# Annual Noxious Weed Eradication Progress Report

## Shawnee County Weed Department

### Sericea Lespedeza

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Enforcement													
Warning Notice						2	6	4		1			12
Legal Notice							1						2
Court Cases													0
Diversion Agreements													0

Acreage Treated	January	February	March	April	May	June	July	August	September	October	November	December	Totals
County				0.0		38.0	304.0	160.0	4.0	192.0			707.8
Private Hay Field		8.0	24.0	8.0	240.0	104.0	80.0	144.0		16.0			544.0
Private Non-Ag						48.0		24.0					152.0
Private Pasture			75.0		3052.0	4392.0	4472.0	4672.0	5824.0	1824.0			32.0
State				24.0			1.3	0.1					25.4
Township										22.7			22.7
Total Acreage	8.0	8.0	99.0	640.0	3292.0	4582.0	4857.3	5000.1	5828.0	2054.7			41.8
													26402.9

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Metsulfuron methyl			19.0	112.0	2116.0	2240.0	2064.0	2128.0	5312.0	2032.0			32.0
Triclopyr		8.0	80.0	528.0	1176.0	2336.0	2792.0	2872.0	512.0				10304.0
Triclopyr + Fluoroxypyr				0.0		6.0	1.3	0.1	4.0	22.7			43.9
Total Acreage	8.0	8.0	99.0	640.0	3292.0	4582.0	4857.3	5000.1	5828.0	2054.7			41.8
													26402.9



# Noxious Weed Survey Worksheet

## Shawnee County Weed Department

2021 ★

Field Bindweed	January	February	March	April	May	June	July	August	September	October	November	December	Totals
City							4						4
County							2	2					4
Private Hay Field							1						1
Private Other								2					2
Private Pasture							1						1
Private Residential Area							5	1					6
Private Soybean									2				2
State							4						4
<b>Total Acreage Infested</b>							<b>17</b>	<b>7</b>					<b>24</b>

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note		
City	4.0	6080	355840	234.1	10.2	244.3			
County	4.0			234.1	20.5	254.6			
Private Hay Field	1.0			58.5	0.0	58.5			
Private Other	2.0			117.1	27.3	144.4			
Private Pasture	1.0			58.5	4.4	62.9			
Private Residential Area	6.0			351.2	11.7	362.9			
Private Soybean	2.0			117.1	5.5	122.6			
State	4.0			234.1	10.5	244.6			
<b>Total Acreage Infested</b>	<b>24.0</b>			<b>Total Estimated Acreage</b>		<b>1404.7</b>	<b>90.1</b>	<b>1494.8</b>	

# Noxious Weed Survey Worksheet

## Shawnee County Weed Department

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Johnsongrass													
County							1	1					2
Private Corn							7	1					8
Private Other								5					5
Private Pasture							2	2					4
Private Soybean							3	7					10
Private Wooded Area							1						1
State							4						4
<b>Total Acreage Infested</b>							<b>18</b>	<b>16</b>					<b>34</b>

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
County	2.0	6080	355840	117.1	16.7	133.8	
Private Corn	8.0			488.2	10.1	478.3	
Private Other	5.0			292.6	12.7	305.3	
Private Pasture	4.0			234.1	5.5	239.6	
Private Residential Area				0.0	12.2	12.2	
Private Soybean	10.0			585.3	20.2	605.5	
Private Wooded Area	1.0			58.5	0.0	58.5	
State	4.0			234.1	15.2	249.3	
<b>Total</b>	<b>34.0</b>	<b>Total Estimated Acreage</b>		<b>1989.9</b>	<b>92.6</b>	<b>2082.5</b>	

# Noxious Weed Survey Worksheet

## Shawnee County Weed Department

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Musk Thistle							1	1					2
County							1	2					2
Private Hay Field								4					4
Private Other							1	7					8
Private Pasture							5						5
State							7	14					21
Total Acreage Infested													21

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
County	2.0			117.1	11.5	128.6	
Private Hay Field	2.0			117.1	12.1	129.2	
Private Other	4.0			234.1	16.2	250.3	
Private Pasture	8.0			458.2	9.0	477.2	
State	5.0			292.6	7.0	299.6	
		Total Estimated Acreage		1229.1	55.8	1284.9	

# Noxious Weed Survey Worksheet

## Shawnee County Weed Department

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
County							1						1
Private Hay Field							6	11					17
Private Other								1					1
Private Pasture							14	19					33
Private Residential Area							2						2
Private Wooded Area							10	4					14
<b>Total Acreage Infested</b>							<b>33</b>	<b>35</b>					<b>68</b>

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
County	1.0	6080	355840	58.5	0.0	58.5	
Private Hay Field	17.0			994.9	14.3	1009.2	
Private Non-Ag				0.0	8.3	8.3	
Private Other	1.0			58.5	2.3	60.8	
Private Pasture	33.0			1931.4	100.0	2031.4	
Private Residential Area	2.0			117.1	2.1	119.2	
Private Wooded Area	14.0			819.4	19.1	838.5	
<b>Total Acreage Infested</b>	<b>68.0</b>		<b>Total Estimated Acreage</b>	<b>3979.8</b>	<b>146.1</b>	<b>4125.9</b>	