

# Annual Noxious Weed Eradication Progress Report 2021



as required by KSA 2-1316

**Logan County Noxious Weed Dept.**

Noxious Weed Supervisor:  
**Denny Mackley**

**Noxious Weed Department Personnel**

Name	Job Title	% Time Spent on Noxious Weeds	Weed Director Salary
Denny Mackley	supervisor	100	[REDACTED]
Dayna Mackley	sprayer	50	[REDACTED]

**Financial Summary - Noxious Weed Fund**

	Amount
Mil levy for 2021	0.294
County valuation for 2021	\$65,718,530.00
Beginning Budget Balance for 2021	\$197,400.00

**Revenues**

Ad Valorem Tax	\$19,329.00
Chemical Sale	\$182,572.35
Other Receipts	\$270.61
<b>Total Revenue</b>	<b>\$202,171.96</b>

**Expenditures**

Capital Outlay	\$5,000.00
Commodities	\$14,925.78
Commodities - Chemical	\$149,139.08
Contractual	\$12,345.55
Personnel Services	\$52,307.36
<b>Total Expenditures</b>	<b>\$233,717.77</b>

**Ending Budget Balance                    \$0.00**

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

**Capital Outlay Fund**

	Amount
Beginning Balance	\$106,390.83
Receipts	\$0.00
Expenditures	\$0.00
<b>Ending Balance</b>	<b>\$106,390.83</b>

# Annual Noxious Weed Eradication Progress Report

Logan County Noxious Weed Dept.

Year  
2021 ★

## Estimated Acreage of Noxious Weeds

Noxious Weed	Private	County	Township	State	Federal	City	Total
Bur Ragweed	1620.0						1620.0
Canada Thistle	100.0						100.0
Field Bindweed	3564.0		216.0				3780.0
Musk Thistle	700.0						700.0
Totals	5984.0		216.0				6200.0

## Estimated Acreage of Noxious Weed on Private Land sub-section

Noxious Weed	Wheat	Corn	Soybean	Grain	CRP	Pasture	Other	Fallow	Non-Ag	Total
Bur Ragweed		1620.0								1620.0
Canada Thistle							100.0			100.0
Field Bindweed	324.0	2160.0		1080.0		0.0		0.0	0.0	3564.0
Musk Thistle						700.0				700.0
Totals	324.0	3780.0		1080.0		700.0	100.0	0.0	0.0	5984.0

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 Dimethyaminesalt	\$11.50		76.220 gal
2,4-Dichlorophenoxyacetic acid	\$18.39		78.750 gal
2,4-Dichlorophenoxyocetic acid, isooctyl ester	\$16.30		167.660 gal
3,6-Dichloromethoxybenzoic acid	\$54.00		15.000 gal
3,7-dichloro-8-quinolinecarboxylic acid	\$168.00		80.000 gal
Alkyl Aryl Polyalkoxylatrd Glycols	\$11.75		4.750 gal
Aminated phosphoric and carboxylic acids	\$26.00		13.500 gal
Ammonium Sulfate	\$18.50		5.750 gal
Beta-hydroxy	\$18.00		50.510 gal
DICAMBA	\$31.00		172.660 gal
FLUROXYPYR	\$57.00		23.910 gal
GLYPHOSATE	\$15.00		155.000 gal
Imazapic	\$94.00		47.520 gal
Methylated Seed Oil	\$25.50		23.400 gal
METSULFURON METHYL	\$2.15		255.500 Oz.
Monosodium acid	\$30.00		6.000 gal
PICLORAM	\$39.00		1378.800 gal
Prometon 2,4-bis(isopropylamino)6-methoxy-s-trioz	\$46.00		1.000 gal
Proprietary Polyvinyl Polymer Emulsion	\$1.19		32.000 Oz.
surfactant	\$18.00		1.250 gal
Triisopropanolammonium salt	\$43.50		280.500 gal

## Enforcement Summary

Warning Notices	0
Legal Notices	0
Court Cases	0

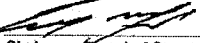

Diversion Agreements	0
Accounts to Tax Roll	0
Meetings Sponsored	0

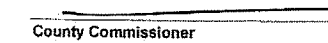

Demonstration Plots	0
Feed and Hay Inspection	0
Publish General Notice	1

Enforcement Comments:

We certify this is a correct copy of the Logan County Noxious Weed Dept. Program for 2021

We certify that Denny Mackley is employed as Logan County Noxious Weed Dept. Director for 2022

  
 Chairman, Board of County Commissioners      2-7-22  
 Date  
  
 County Commissioner      2-7-22  
 Date  
 County Commissioner      Date

County Commissioner      Date  
  
 County Commissioner      Date  
  
 County Noxious Weed Director      2/7/2022  
 Date

Annual Noxious Weed Eradication Progress Report  
Treatment Summary

2021 ★

Logan County Noxious Weed Dept.

Acres Treated

Noxious Weed	Private	County	Township	State	Federal	City	Cost Share	Total
Canada Thistle	14.7							14.7
Field Bindweed	18380.7	20	1726.9	56				20183.6
Musk Thistle	1756.1							1756.1
Totals	20151.5	20	1726.9	56				21954.4

Acres Treated on Private Land sub-section

Noxious Weed	Wheat	Corn	Soybean	Grain	CRP	Pasture	Other	Fallow	Non-Ag	Total
Canada Thistle						14.7				14.7
Field Bindweed							484	17876.7	20	18380.7
Musk Thistle						1753.1			3	1756.1
Totals						1767.8	484	17876.7	23	20151.5

# Annual Noxious Weed Eradication Progress Report

Logan County Noxious Weed Dept.

## Canada Thistle

2021 ★

	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
Acreage Treated													Totals
Private Pasture						6.7	8.0						14.7
Total Acreage						6.7	8.0						14.7
Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Grazon Next HL						2.7	8.0						2.7
TORDON						4.0							12.0
Total Acreage						6.7	8.0						14.7

# Annual Noxious Weed Eradication Progress Report

Logan County Noxious Weed Dept.

## Field Bindweed

2021 ★

	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

Acreage Treated	January	February	March	April	May	June	July	August	September	October	November	December	Totals
County						20.0							20.0
Private Fallow				440.0	7976.1	1680.2	3860.2	1960.2	1600.0				17876.7
Private Non-Ag						20.0							20.0
Private Other						404.0		80.0					484.0
State								56.0					56.0
Township						786.9		433.1		191.5		315.4	1728.9
Total Acreage				440.0	7976.1	2911.1	3860.2	2529.3	1600.0	191.5		675.4	20183.6

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
BRUSH-Rhap						16.0		99.9					115.9
DICAMBA				320.0	960.1	168.8	160.0	800.1					2249.0
Freelexx													160.0
LV6				120.0		80.0	240.0	80.0					520.0
PLATEAU						384.0							890.9
QuinStar							1280.1			191.5		315.4	1280.1
ROUNDUP								1240.1					1240.1
TORDON					7016.0	2262.3	2180.1	309.2	1600.0			360.0	13727.6
Total Acreage	440.0			440.0	7976.1	2911.1	3860.2	2529.3	1600.0	191.5		675.4	20183.6

# Annual Noxious Weed Eradication Progress Report

Logan County Noxious Weed Dept.

## Musk Thistle

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Enforcement													
Warning Notice													0
Legal Notice													0
Court Cases													0
Diversion Agreements													0
Acreage Treated													Totals
Private Non-Ag						3.0							3.0
Private Pasture		170.0			168.1	583.3	810.7	21.0					1753.1
Total Acreage		170.0			168.1	586.3	810.7	21.0					1756.1
Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Grazon Next HL		170.0			53.4	437.3	810.7	21.0					1492.4
LV6					66.7								66.7
TORDON					48.0	149.0							197.0
Total Acreage		170.0			168.1	586.3	810.7	21.0					1756.1

# Logan County Noxious Weed Dept.

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## Noxious Weed Survey Data Collection

Year      2021

Start Date    End Date  
01/01/21    12/31/21

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
194	10/4/2021	Denny Mackley		23-13-34				
<b>Location</b>		<b>Land Ownership</b>						
All		County Other			2.5			
All		Township Other			2.5	2	Field Bindweed	2
All		Private Pasture			635			

Total Acreage Surveyed    640      2

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
195	10/4/2021	Denny Mackley		27-12-37				
<b>Location</b>		<b>Land Ownership</b>						
North 1/2		State Other			5			
North 1/2		Private Grain Sorghum			100	10	Field Bindweed	10
North 1/2		Private Corn			100			
North 1/2		Private Pasture			115			
South 1/2		Private Grain Sorghum			150			
South 1/2		Private Pasture			170			

Total Acreage Surveyed    640      10

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
196	10/20/2021	Denny Mackley		25-11-34				
<b>Location</b>		<b>Land Ownership</b>						
NW 1/4		Private Corn			160			
NE 1/4		Private Pasture			160			
SW 1/4		Private Pasture			160			
SE 1/4		Private Pasture			160			

Total Acreage Surveyed    640

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
197	10/20/2021	Denny Mackley		19-14-37				
<b>Location</b>		<b>Land Ownership</b>						
All		Private Pasture			640			

Total Acreage Surveyed    640

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
198	10/25/2021	Denny Mackley		11-11-36				
<b>Location</b>		<b>Land Ownership</b>						
North 1/2		Private Corn			320	15	Bur Ragweed	15
South 1/2		Private Non-Ag			320			

Total Acreage Surveyed    640      15

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
199	10/25/2021	Denny Mackley		25-15-32				
<b>Location</b>		<b>Land Ownership</b>						
All		Private Pasture			640			

Total Acreage Surveyed    640



# Logan County Noxious Weed Dept.

LG

Year      2021

## Noxious Weed Survey Data Collection

Start Date    End Date  
01/01/21    12/31/21

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
200	11/2/2021	Denny Mackley		26-11-33				
<b>Location</b>		<b>Land Ownership</b>						
SE 1/4		Private Corn			160			
NE 1/4		Private Grain Sorghum			160			
NW 1/4		Private Wheat			160			
SW 1/4		Private Fallow			160			

**Total Acreage Surveyed    640**

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
201	11/3/2021	Denny Mackley		11-11-34				
<b>Location</b>		<b>Land Ownership</b>						
North 1/2		Private Fallow			320			
South 1/2		Private Wheat			300			
SW 1/4		Private Non-Ag			20			

**Total Acreage Surveyed    640**

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
202	11/16/2021	Denny Mackley		2-12-35				
<b>Location</b>		<b>Land Ownership</b>						
W1/2		Private Corn			320	5	Field Bindweed	5
East 1/2		Private Corn			320	15	Field Bindweed	15

**Total Acreage Surveyed    640                      20**

Survey#	Date	Surveyor	Field#	Legal Description	Acreage Surveyed	Acreage Infested	Weed	Acreage Infested
203	11/17/2021	Denny Mackley		5-11-35				
<b>Location</b>		<b>Land Ownership</b>						
NW 1/4		Private Wheat			160	3	Field Bindweed	3
SW 1/4		Private Corn			160			
East 1/2		Private Wheat			320			

**Total Acreage Surveyed    640                      3**  
**Total Acreage Surveyed    6400                     50**