

**ANNUAL NOXIOUS WEED ERADICATION PROGRESS REPORT 2021;
as required by KSA 2-1316.**

County: NEMAHA
Noxious Weed Supervisor's Name: Mixie Vance

Instructions: Complete and sign form. Submit a copy to Kansas Department of Agriculture by March 15, 2022.

NOXIOUS WEED DEPARTMENT PERSONNEL

Name	Job Title	% Time Spent on Noxious Weeds
Mixie Vance	Director	90
Patty Schmelzle	Office Administrator	85
Justin Kramer	Field Assistant	80
Garrett Schmelzle	Summer Help	80
Aiden Caffrey	Summer Help	80

Monthly salary of the Noxious Weed Director beginning January 1, 2022

FINANCIAL SUMMARY

BUDGET

Budget for 2021	\$ 286,750.00
Mil levy for 2021783
County valuation for 2021	\$ 202,345,673.00

EXPENDITURES

Personnel services	\$ 127,404.05
Contractual services	\$ 5,285.35
Commodities	
Chemical purchases	\$ 210,462.00
Other commodities	\$ 1,939.48
Total Commodities	\$ 212,401.48
To Capital outlay	\$ 20,000.00
TOTAL EXPENDITURES	\$ 365,090.88

REVENUE

Budgeted carryover (2020 to 2021)	\$ 38,558.24
County appropriation (Tax funds & others)	\$ 204,315.23
Current reimbursements	
Chemical	\$ 133,071.83
Equipment & Labor	\$ 5,261.00
Other	\$ 3.50
Total reimbursements	\$ 138,336.33
Old accounts collected	\$ 16.00
TOTAL REVENUE	\$ 381,225.80
Carryover to next year's budget (2021 to 2022)	\$ 16,134.92

CAPITAL OUTLAY FUND

Beginning Balance.....		\$ 84,916.00
Receipts	<i>Commissioner's transfer</i>	\$ 20,000.00
Expenditures	<i>Identify purchases:</i>	
	2021 JD 6130M tractor	\$ 74,200.00
	2021 Bush Hog 3810 mower	\$ 11,395.00
Ending Balance		\$ 19,321.00

Annual Noxious Weed Eradication Progress Report

Nemaha County Noxious Weed Dept.

Year
2021 ★

Estimated Acreage of Noxious Weeds

Noxious Weed	Private	County	Township	State	Federal	City	Total
Field Bindweed	9538.0	600.0	700.0	550.0		1000.0	12388.0
Johnsongrass	223.0	30.0	20.0	20.0		15.0	308.0
Leafy Spurge	1.0	0.0	0.0	0.0		0.0	1.0
Multiflora Rose	72.0	0.0	0.0	0.0		0.0	72.0
Musk Thistle	14087.4	500.0	750.0	350.0		65.0	15752.4
Quackgrass	60.0	0.0	0.0	0.0		0.0	60.0
Sericea Lespedeza	16287.8	1150.0	700.0	75.0		50.0	18262.8
Spotted Knapweed	15.0	0.0	1.0	3.0		0.0	19.0
Totals	40284.2	2280.0	2171.0	998.0		1130.0	46863.2

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	0.0	1169.6	408.8	0.0	400.0	7144.0	235.6	100.0	80.0	9538.0
Johnsongrass	0.0	80.0	0.0	0.0	85.0	45.0	0.0	8.0	5.0	223.0
Leafy Spurge	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
Multiflora Rose	0.0	0.0	0.0	0.0	0.0	72.0	0.0	0.0	0.0	72.0
Musk Thistle	0.0	262.0	14.4	10.0	800.0	12196.8	774.8	10.0	19.4	14087.4
Quackgrass	0.0	0.0	0.0	0.0	10.0	50.0	0.0	0.0	0.0	60.0
Sericea Lespedeza	0.0	10.0	0.0	80.0	4861.0	9536.8	1300.0	300.0	200.0	16287.8
Spotted Knapweed	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	15.0
Totals	0.0	1521.6	423.2	90.0	6156.0	29060.6	2310.4	418.0	304.4	40284.2

Weeds declared Noxious by the County:

Multiflora Rose

Bull Thistle

Annual Noxious Weed Eradication Progress Report
Treatment Summary

2021 ★

Nemaha County Noxious Weed Dept.

Acres Treated

Noxious Weed	Private	County	Township	State	Federal	City	Cost Share	Total
Field Bindweed	1305.1	367.8	2.3	168.9				1844.1
Johnsongrass	80.6	31						111.6
Musk Thistle	13715.5	350.6	205.3	80.8				14352.2
Sericea Lespedeza	9546.1	187.7	63.1	6.6		13.3		9816.8
Spotted Knapweed		6.5						6.5
Totals	24647.3	943.6	270.7	256.3		13.3		26131.2

Acres Treated on Private Land sub-section

Noxious Weed	Wheat	Corn	Soybean	Grain	CRP	Pasture	Other	Fallow	Non-Ag	Total
Field Bindweed						507.3		777.8		1285.1
Johnsongrass						5.9		74.7		80.6
Musk Thistle				13622.2						13622.2
Sericea Lespedeza					53.3	9304.8				9358.1
Totals					53.3	23440.2		852.5		24346

Annual Noxious Weed Eradication Progress Report

Nemaha County Noxious Weed Dept.

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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

Acreage Treated	January	February	March	April	May	June	July	August	September	October	November	December:	Totals
County				1.5	281.0	37.0	8.5	16.5	18.8		4.5		367.8
Private				20.0	0.0	0.0	0.0						20.0
Private Fallow			10.0	80.0	110.0	21.8	321.2	234.8					777.8
Private Pasture			10.0	50.0	60.0	105.9	112.0	137.4	32.0				507.3
State				10.0	40.0		1.5		117.4				168.9
Township						2.3							2.3
Total Acreage			20.0	161.5	491.0	167.0	443.2	388.7	168.2		4.5		1844.1

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December:	Totals
2,4-D AMINE			10.0										10.0
2,4-D CHOLINE				40.0	100.0	40.0	80.0	20.0			4.5		284.5
2,4-D LV ESTER				50.0			10.0						60.0
AMINOPRYALID (Milestone)							32.0						32.0
GLYPHOSATE			10.0	40.0	112.5	107.7	317.2	352.2	117.4				1057.0
GLYPHOSATE + 2,4 D				30.0									30.0
INDAZIFLAM + IMAZAPRY (Plainview)				1.5			2.5	6.0					10.0
METSULFURON METHYL (Escort or M						15.5	1.5	10.5	18.8				46.3
PICLORAM (Tordon)									32.0				32.0
Surfactant				0.0	0.0	0.0	0.0						0.0
TRICLOPYR + CHOLINE (Vastlan)					278.5	3.8							282.3
Total Acreage			20.0	161.5	491.0	167.0	443.2	388.7	168.2		4.5		1844.1

Annual Noxious Weed Eradication Progress Report

Nemaha County Noxious Weed Dept.
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Johnsongrass

	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

	January	February	March	April	May	June	July	August	September	October	November	December:	Totals
Acres Treated								4.5	26.5				31.0
County								74.7					74.7
Private Fallow						5.9							5.9
Private Pasture						5.9		4.5	26.5	74.7			111.6
Total Acreage						5.9		4.5	26.5	74.7			111.6

	January	February	March	April	May	June	July	August	September	October	November	December:	Totals
Approved Herbicides and Methods													
GLYPHOSATE						5.9							5.9
IMAZAPIC (Plateau)								4.5	26.5	74.7			105.7
Total Acreage						5.9		4.5	26.5	74.7			111.6

Annual Noxious Weed Eradication Progress Report

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Musk Thistle

	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				174.8	42.4	75.4	33.0	1.5		3.0	4.5	16.0	350.6
Private					93.3								93.3
Private Pasture	164.0	2069.6	2704.3	2375.0	3011.3	831.4	831.4	466.7	949.9	700.0	350.0		13622.2
State						80.8							80.8
Township					50.0	155.3							205.3
Total Acreage	164.0	2069.6	2879.1	2560.7	3242.0	945.2	945.2	468.2	949.9	703.0	354.5	16.0	14352.2

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
2,4 LV ESTER				520.0	450.0	390.0	-30.0		50.0	40.0	220.0		1640.0
2,4-D CHOLINE			30.0	926.7	105.0	700.2	420.0	120.0			14.5		2316.4
2-4 LV ESTER			190.0	160.0									350.0
AMINOPRYALID (Milestone)				217.6	58.7	150.4			6.4				433.1
AMINOPYRALID (Milestone) + 2,4-D					3.6		1.2						4.8
AMINOPYRALID (Milestone) + 2,4-D (140.5	12.5						153.0
AMINOPYRALID (Milestone) + ESCOR				174.8	25.0								199.8
METSULFURON METHYL (Escort or M				16.0	287.8	72.0				3.0			378.8
METSULFURON METHYL (Escort or M				80.0		203.8	99.3	1.5					384.6
PICLORAM (Tordon)	164.0	1321.6			810.6	1434.7	341.4	186.7	706.8	340.0	120.0	16.0	5441.8
PICLORAM (Tordon) + 2,4 D		528.0	784.0	820.0	820.0	136.0	100.0	160.0	186.7	320.0			3034.7
Surfactant		0.0	0.0	0.0									0.0
TRICLOPYR + CHOLINE (Vastlan)						14.4	0.8						15.2
Total Acreage	164.0	2069.6	2879.1	2560.7	3242.0	945.2	945.2	468.2	949.9	703.0	354.5	16.0	14352.2

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Spotted Knapweed

	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							6.5						6.5
Total Acreage							6.5						6.5

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December:	Totals
METSULFURON METHYL (Escort or M							6.5						6.5
Total Acreage							6.5						6.5

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Sericea Lespedeza

	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
City							13.3						13.3
County					4.5	1.6	1.5	44.5	79.6	56.0			187.7
Private							58.7	8.0	8.0	121.3			188.0
Private CRP							53.3						53.3
Private Pasture			80.0	173.3	1420.1	2642.7	1298.3	1329.2	2181.9	99.3	80.0		9304.8
State							6.6						6.6
Township						3.8		59.3					63.1
Total Acreage			80.0	173.3	1424.6	2648.1	1431.7	1373.7	2328.8	276.6	80.0		9816.8

Total Acreage

Approved Herbicides and Methods	January	February	March	April	May	June	July	August	September	October	November	December	Totals
2,4-D CHOLINE									100.0				100.0
AMINOPYRALID (Milestone) + ESCOR					512.0								512.0
FLUROXYPYR + TRICLOPYR (PASTU					26.7								26.7
METSULFURON METHYL (Escort or M			80.0		8.0	64.8	232.0	1072.5	1282.5	19.0	80.0		2686.0
METSULFURON METHYL (Escort or M					366.7	1800.0	477.8	88.0	416.4	174.3			1309.3
TRICLOPYR (Remedy)				173.3	506.7	98.7	426.3	66.6	476.6	70.0			3379.5
TRICLOPYR (Remedy) + 2-4 D					506.7	98.7	253.3	146.6	53.3	13.3			1071.9
TRICLOPYR + CHOLINE (Vastlan)					4.5	684.6	42.3						731.4
Total Acreage			80.0	173.3	1424.6	2648.1	1431.7	1373.7	2328.8	276.6	80.0		9816.8

ENFORCEMENT SUMMARY

Warning Notices		Enforcement Comments: Numerous non-legal notices were sent.
Legal Notices	0	
Court Cases		
Diversion Agreements		
Accounts to Tax Roll		
Meetings Sponsored	1	
Demonstration Plots		
Publish General Notice	1	
Weed Free Forage Inspection		

SIGNATURES

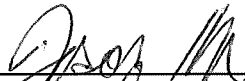
We certify this is a correct copy of the Nemaha County Noxious Weed Program for 2021.

We certify that Mixie Vance is employed as Nemaha County Noxious Weed Director for 2022.



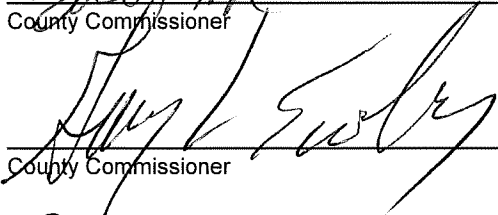
Chairman, Board of County Commissioners

1-31-22
Date



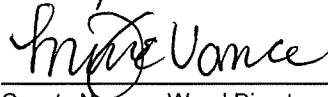
County Commissioner

1-31-22
Date



County Commissioner

1-31-22
Date



County Noxious Weed Director

1/31/22
Date

Noxious Weed Survey Worksheet Nemaha County Noxious Weed Dept.

2021 ★

Field Bindweed	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Private Corn			1.5		0.2	1.1	2.5	0.9	1.9	1.2			9.3
Private Other			0.5		0.6	0.1			0.8	0.3			2.3
Private Pasture			0.2		1	0.2	0.5		0.1				2
Private Soybean					0.6	1	0.3	0.2	0.4	0.4			2.9
Total Acreage Infested			2.2		2.4	2.4	3.3	1.1	3.2	1.9			16.5

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	1000.0	1000.0	
County				0.0	600.0	600.0	
Private Corn	9.3			669.6	500.0	1169.6	
Private CRP				0.0	400.0	400.0	
Private Fallow				0.0	100.0	100.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	80.0	80.0	
Private Other	2.3			165.6	70.0	235.6	
Private Pasture	2.0			144.0	7000.0	7144.0	
Private Soybean	2.9			208.8	200.0	408.8	
Private Wheat				0.0	0.0	0.0	
State				0.0	550.0	550.0	
Township				0.0	700.0	700.0	
	16.5		Total Estimated Acreage	1188.0	11200.0	12388.0	

Noxious Weed Survey Worksheet

Nemaha County Noxious Weed Dept.

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Johnsongrass January February March April May June July August September October November December Totals

Private Soybean 0 0 0 0 0 0 0 0 0 0 0 0 0

Total Acreage Infested

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	15.0	15.0	
County				0.0	30.0	30.0	
Private Corn				0.0	80.0	80.0	
Private CRP				0.0	85.0	85.0	
Private Fallow				0.0	8.0	8.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	5.0	5.0	
Private Other				0.0	0.0	0.0	
Private Pasture				0.0	45.0	45.0	
Private Soybean	0.0			0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	20.0	20.0	
Township				0.0	20.0	20.0	
	0.0	Total Acreage Surveyed	Total Acreage	Total Estimated Acreage	Total Acreage	Total Acreage	
		6400	460800	0.0	308.0	308.0	

**Noxious Weed Survey Worksheet
Nemaha County Noxious Weed Dept.**

2021 ★

Leafy Spurge January February March April May June July August September October November December Totals
 Private Soybean 0 0 0 0 0 0 0 0 0 0 0 0 0

Total Acreage Infested

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	0.0	0.0	
County				0.0	0.0	0.0	
Private Corn				0.0	0.0	0.0	
Private CRP				0.0	0.0	0.0	
Private Fallow				0.0	0.0	0.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	0.0	0.0	
Private Other				0.0	0.0	0.0	
Private Pasture				0.0	1.0	1.0	
Private Soybean	0.0			0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	0.0	0.0	
Township	0.0			0.0	1.0	1.0	
		Total	Total Estimated Acreage	0.0	1.0	1.0	

**Noxious Weed Survey Worksheet
 Nemaha County Noxious Weed Dept.**

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Multiflora Rose January February March April May June July August September October November December: Totals
 Private Pasture 1 1 1 1 1 1 1 1 1 1 1 1 1

Total Acreage Infested

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	0.0	0.0	
County				0.0	0.0	0.0	
Private Corn				0.0	0.0	0.0	
Private CRP				0.0	0.0	0.0	
Private Fallow				0.0	0.0	0.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	0.0	0.0	
Private Other				0.0	0.0	0.0	
Private Pasture	1.0			72.0	0.0	72.0	
Private Soybean				0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	0.0	0.0	
Township				0.0	0.0	0.0	
	1.0	Total Surveyed	Total Estimated Acreage	72.0	0.0	72.0	

Noxious Weed Survey Worksheet Nemaha County Noxious Weed Dept.

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Musk Thistle	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Private Corn			0.3			0.2	0.1	0.2		0.2			1
Private Non-Ag						0.2							0.2
Private Other			0.1		0.2		0.2		0.2	0.2			0.9
Private Pasture			0.5		0.7	1	1.9		0.3				4.4
Private Soybean					0.2								0.2
Total Acreage Infested			0.9		1.1	1.4	2.2	0.2	0.5	0.4			6.7

	Total Acreage Infested	Acreage Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	65.0	65.0	
County				0.0	500.0	500.0	
Private Corn	1.0			72.0	190.0	262.0	
Private CRP				0.0	800.0	800.0	
Private Fallow				0.0	10.0	10.0	
Private Grain Sorghum				0.0	10.0	10.0	
Private Non-Ag	0.2			14.4	5.0	19.4	
Private Other	0.9			64.8	710.0	774.8	
Private Pasture	4.4			316.8	11880.0	12196.8	
Private Soybean	0.2			14.4	0.0	14.4	
Private Wheat				0.0	0.0	0.0	
State				0.0	350.0	350.0	
Township	6.7			0.0	750.0	750.0	
				Total Estimated Acreage	15270.0	15752.4	

**Noxious Weed Survey Worksheet
 Nemaha County Noxious Weed Dept.**

2021 ★

Quackgrass January February March April May June July August September October November December: Totals
 Private Soybean 0 0 0 0 0 0 0 0 0 0 0 0 0

Total Acreage Infested

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	0.0	0.0	
County				0.0	0.0	0.0	
Private Corn				0.0	0.0	0.0	
Private CRP				0.0	10.0	10.0	
Private Fallow				0.0	0.0	0.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	0.0	0.0	
Private Other				0.0	0.0	0.0	
Private Pasture				0.0	50.0	50.0	
Private Soybean	0.0			0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	0.0	0.0	
Township				0.0	0.0	0.0	
	0.0	Total Surveyed	Total Estimated Acreage	0.0	60.0	60.0	

**Noxious Weed Survey Worksheet
Nemaha County Noxious Weed Dept.**

2021 ★

Spotted Knapweed January February March April May June July August September October November December: Totals 0 0

Private Soybean 0 0

Total Acreage Infested

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	0.0	0.0	
County				0.0	0.0	0.0	
Private Corn				0.0	0.0	0.0	
Private CRP				0.0	0.0	0.0	
Private Fallow				0.0	0.0	0.0	
Private Grain Sorghum				0.0	0.0	0.0	
Private Non-Ag				0.0	0.0	0.0	
Private Other				0.0	0.0	0.0	
Private Pasture				0.0	15.0	15.0	
Private Soybean	0.0			0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	3.0	3.0	
Township				0.0	1.0	1.0	
	0.0	Total Surveyed	Total Estimated Acreage	0.0	19.0	19.0	

**Noxious Weed Survey Worksheet
Nemaha County Noxious Weed Dept.**

2021 ★

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Sericea Lespedeza			0.2		0.7	0.4	0.6						1.9
Private Pasture					0								0
Private Soybean					0.7	0.4	0.6						1.9
Total Acreage Infested			0.2		0.7	0.4	0.6						1.9

	Total Acreage Infested	Acres Surveyed	County Acres	Estimated Acreage	Weed Director's Adjustment	Acreage After Adjustment	Note
City		6400	460800	0.0	50.0	50.0	
County				0.0	1150.0	1150.0	
Private Corn				0.0	10.0	10.0	
Private CRP				0.0	4861.0	4861.0	
Private Fallow				0.0	300.0	300.0	
Private Grain Sorghum				0.0	80.0	80.0	
Private Non-Ag				0.0	200.0	200.0	
Private Other				0.0	1300.0	1300.0	
Private Pasture	1.9			136.8	9400.0	9536.8	
Private Soybean	0.0			0.0	0.0	0.0	
Private Wheat				0.0	0.0	0.0	
State				0.0	75.0	75.0	
Township				0.0	700.0	700.0	
	1.9	Total Estimated Acreage		136.8	18126.0	18262.8	