

SL2: Annual Soil Loss Report

Reported For	Cumberland LLC
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Prepared for:
 Cumberland LLC
 attn:Jeff Sauer
 N13126 BRUCE MOUND AVE
 Thorp, 54771

WPDES Permitted Farm

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
Arnie Borchert North	CREX 3626A	2	250	No / No	Cg+cv-SU-Sg+cv-Cg+cv-Cg+cv-Cgbs+cv-Cg+cv	NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.3			0.2	0.2	0.2	0.6	0.3	0.2	0.4
BDC	BRANSTAD 82C	9	150	No / No	Cg+cv-Sg+cv-Cgbs+cv-Sg+cv-[Rwf-Cg]-Sg7-Rwg+s	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT-NT	5	2.1			3.9	0.5	1.3	1.6	2.7	1.4	3.1
Berglund Home	BRANSTAD 82C	9	150	No / No	Cg+cv-Sg+cv-Cg+cv-Sg7-[Rwf-Cg]-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr	5	1.3			1.0	0.7	1.4	0.8	1.6	1.0	2.6
Bill Tietz	BRANSTAD 553C	9	150	No / No	Cg+cv-Sg+cv-SU-GHs-GH-GH-GH	NT/NTcvr-NT/NTcvr-NT-NT-None-None-None	5	0.4			0.0	0.1	1.0	1.3	0.1	0.0	0.0
C Johnson Middle	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg-Cg-[Rwf-Cg]-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT-NT/NTcvr-NT/NTcvr	5	0.5			0.4	0.3	0.9	0.6	0.5	0.5	0.5

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
Casanova	CREX 3626A	2	250	No / No	Cg+cv-Sg7-Rwg+s-Sg+s7+cv-Cgbs+cv-Sg+s7+cv-Cgbs+cv	NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.7			0.4	0.2	0.5	0.6	1.2	0.4	1.4
Chouinard Big	SHAWANO 557C	9	150	No / No	Cg+cv-Sg+cv-Cg-Rwg+s-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.8			0.3	0.2	0.8	1.0	1.9	0.3	0.9
Chouinard Small	SHAWANO 557C	9	150	No / No	Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg-Rwg+s-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr	5	0.7			0.3	0.2	0.4	0.2	0.8	1.0	1.9
Chouinard West	GRETTUM 3448B	3	200	No / No	Cg+cv-Sg7-Rwg+s+acv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.3			0.2	0.1	0.4	0.3	0.4	0.2	0.4
Craig Selander E	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg7-[Rwf-Cg]	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT	5	1.6			1.2	2.0	0.9	2.5	1.2	2.0	
Dahlies	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg7-[Rwf-Cg]	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT	5	0.6			0.5	0.7	0.4	1.0	0.5	0.8	
Dennis Quimby	BRANSTAD 553C	9	150	No / No	Cg+cv-Sg7-Rwg+s+acv-SU-Cg+cv-Cg+cv-Cg+cv	NT/Dcvr-NT-NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	2.1			0.7	0.9	4.8	3.9	2.9	1.0	0.8
DNR Back	CREX 3626A	2	250	No / No	Rwg+s+acv-Sg7-Cg+cv-Sg7-Cg+cv-GHs-GH	NT/NTcvr-NT-NT/NTcvr-NT-NT/NTcvr-NT-None	5	0.2			0.1	0.2	0.2	0.1	0.3	0.1	0.0

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
DNR Front	CREX 3626A	2	250	No / No	Rwg+s+acv-SU-Sg+cv-Cg+cv-Cg+cv-GHs-GH	NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-None	5	0.2			0.1	0.3	0.3	0.6	0.3	0.1	0.0
Gary Bohn	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.7			1.2	2.1	0.9	2.4	1.1	2.6	
Glockzine	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Cg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.5			1.3	2.2	1.1	1.0	0.9	2.6	
Herbert East	BRANSTAD 82C	9	150	No / No	Cg+cv-Sg+cv-Cg-[Rwf-Cs30]-[Rwf-Cs30]-Sg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT-NT/NTcvr	5	2.6			3.0	1.1	2.5	1.7	3.5	4.0	
Home 40	BRANSTAD 553B	3	200	No / No	Sg+cv-GHs-Cg+cv-Sg+cv-Cg-[Rwf-Cg]-Cg+cv-Csl+acv	NT/NTcvr-NT-NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr	5	0.5	0.6	0.5	0.1	0.2	0.8	0.6	0.5	0.3	
Home S	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv-Csl+acv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.7			0.9	0.4	1.0	0.5	1.1	0.7	
Huesset	SIREN 189A	2	250	No / No	Cg+cv-Sg+cv-Cg+cv-Cg-[Rwf-Cg]-Rwg+s+acv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT/NTcvr-NT/NTcvr	5	0.4			0.3	0.2	0.6	0.4	0.3	0.6	0.7
JD Glover	SHAWANO 557B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.2			0.1	0.1	0.3	0.2	0.2	0.1	0.3

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
Jerry Johnson E	BRANSTAD 553C	9	150	No / No	Cg+cv-Sg+cv-Cg-Cg+cv-Cg+cv-Sg+cv	NT/NTcvr-NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.5			1.8	0.9	2.6	1.5	1.1	1.0	
Jerry Johnson W	BRANSTAD 553C	9	150	No / No	Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv-Sg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.4			1.8	0.9	2.6	1.3	1.1	1.0	
JPM 20 W	BRANSTAD 82C	9	150	No / No	SGf+cv-Sg7-Cg-[Rwf-Cg]-Cg-Sg+cv	NT/Dcvr-NT-NT-NT-NT-NT/NTcvr	5	1.8			1.8	1.9	3.2	1.5	1.4	1.2	
JPM Bob Johnson S	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.7			0.5	0.8	0.4	1.0	0.5	1.1	
JPM Chet Elrose	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.6			0.4	0.7	0.4	1.0	0.5	0.5	
JPM Elrose E	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Sg+cv-[Rwf-Cg]-GHs	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT	5	0.5			0.1	0.2	0.9	0.4	0.9	0.3	
JPM Elrose W	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-[Rwf-Cg]-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT/NTcvr	5	0.5			0.4	0.7	0.4	0.9	0.5	0.5	
JPM Herberts	BRANSTAD 82C	9	150	No / No	Cg+cv-Sg+cv-Cg+cv-Cgbs+cv-Cg+cv-Sg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.7			2.0	1.0	2.6	1.3	2.2	1.2	
JPM Magnussen	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-Cg-GHs-GH-GH	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT-None-None	5	0.6			0.1	0.8	0.6	2.3	0.6	0.1	0.0
JPM North 20	BRANSTAD 553C	9	150	No / No	SU-Cg-Wwg+s+acv-Cg-[Rwf-Cs30]-Cg	NT-NT-NT/NTcvr-NT-NT-NT	5	1.6			1.1	1.2	1.3	2.0	0.9	3.1	

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Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
JPM Sherriffs	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.5			0.4	0.3	0.9	0.5	0.5	0.5	0.5
JPM Swan Lake	TAYLOR 185B	4	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	3	1.0			0.7	1.2	0.6	1.5	0.7	1.6	
JPM T Farm	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg7-[Rwf-Cg]	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT	5	0.6			0.5	0.7	0.4	1.0	0.5	0.8	
JPM Wood River N	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.5			0.3	0.3	0.9	0.5	0.4	0.4	
K Wood	SIREN 189A	2	250	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.5			0.4	0.6	0.3	0.7	0.3	0.8	
Kaslow Arleth 5	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.5			0.3	0.6	0.3	0.9	0.6	0.5	0.4
Kaslow North of Road	SIREN 189A	2	250	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.4			0.3	0.5	0.3	0.7	0.4	0.4	
Kaslow S of Road	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-SU-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT/NTcvr	5	0.7			0.4	0.8	0.4	1.0	0.5	1.0	
Larry Anderson 87	CREX 3626A	2	250	No / No	Cg+cv-Sg+cv-Cg-[Rwf-Cg]-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.3			0.2	0.1	0.4	0.2	0.2	0.2	0.5
Lindgren Y 48	BRANSTAD 553D	16	100	No / No	Sg+cv-SU-Cg+cv-Sg+cv-Cg+cv-Sg+cv	NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	4.8			3.7	7.5	9.0	2.0	4.7	2.1	

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
Loomis N	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-GHs-GH-GH-GH	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-None-None-None	5	0.3			0.0	0.6	0.5	0.8	0.1	0.0	0.0
Loomis Peterson Rd	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-GHs-GH-GH-GH	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-None-None-None	5	0.3			0.0	0.6	0.5	0.8	0.1	0.0	0.0
Loomis S	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg-SU-GHs-GH-GH-GH	NT/NTcvr-NT-NT-NT-None-None-None	5	0.2			0.0	0.6	0.4	0.6	0.1	0.0	0.0
Louise Line	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-[Rwf-Cs30]-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT/NTcvr	5	2.1			1.3	2.1	1.0	2.5	1.5	4.1	
Lundberg	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.5			0.4	0.3	0.9	0.5	0.5	0.5	
Matt Olson	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.8			1.3	2.2	1.0	2.6	1.2	2.8	
Medchill N	SHAWANO 557C	9	150	No / No	Cg+cv-Sg7-Rwg+s+acv-Sg+cv-Cgbs+cv-Sg+cv-Cg+cv	NT/NTcvr-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.8			0.4	0.2	1.0	0.7	1.2	0.7	1.3
Ned Erickson	BRANSTAD 553C	9	150	No / No	Sg+cv-Cg-SU-Cg+cv-Sg+cv-Cg-Rwg+s+acv-Cg+cv	NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr-NT-NT/NTcvr-NT/NTcvr	5	1.5	1.0	1.7	1.1	1.3	0.4	2.0	2.2	2.4	
Northstar	SHAWANO 557B	3	200	No / No	Cg+cv-Sg+cv-SU-Sg7-Cg+cv-Sg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	0.2			0.1	0.1	0.3	0.3	0.3	0.1	0.4

									Annual Soil Loss (t/ac)								
Field	Soil Series & Symbol (critical)	Slope	Slope Len	Contour/ Filters	Rotation	Tillage	Field "T" t/ac/yr	Rot Avg Soil Loss t/ac/yr	2020	2021	2022	2023	2024	2025	2026	2027	2028
Rivera	BRANSTAD 553C	9	150	No / No	Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	1.4			1.1	0.7	2.4	1.3	1.1	1.0	2.6
Spook N	BRANSTAD 553C	9	150	No / No	GH-Cg+cv-SU-Cg+cv-[Rwf-Cg]-Cg+cv	None-NT/NTcvr-NT-NT/NTcvr-NT-NT/NTcvr	5	0.7			0.2	0.1	0.2	1.4	1.0	1.1	
Spook S	BRANSTAD 553D	16	100	No / No	Sg+cv-Cg+cv-Sg+cv-Cg+cv-Cg+cv-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr-NT/NTcvr	5	2.7			1.9	3.8	1.6	4.9	2.3	2.0	
Tom Hinrichs	BRANSTAD 553B	3	200	No / No	Cg+cv-Sg+cv-Cg-SU-Cg+cv-Cg-Cg+cv	NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr-NT-NT/NTcvr	5	0.7			0.4	0.3	0.9	0.7	1.3	0.5	0.5
Urban Olson Big	BRANSTAD 553B	3	200	No / No	Sg+cv-Cg+cv-Sg+cv-Cg-[Rwf-Cg]-Cg+cv	NT/NTcvr-NT/NTcvr-NT/NTcvr-NT-NT-NT/NTcvr	5	0.6			0.4	0.8	0.4	0.9	0.6	0.6	
Waller House	BRANSTAD 553B	3	200	No / No	Cg-Sg+cv-Cg-Cg+cv-Cg-SU-Cg	NT-NT/NTcvr-NT-NT/NTcvr-NT-NT-NT	5	0.5			0.4	0.2	0.8	0.6	0.5	0.5	1.0

* This column shows estimated sediment delivery through a **designed** field edge grass filter area when that field management option is selected.

Crop Abbreviations		Tillage Abbreviations	
Abbreviation	Crop	Abbreviation	Tillage
[Rwf-Cg]	Winter Rye (forage) to Corn grain	None	None
[Rwf-Cs30]	Winter Rye (forage) to Corn silage, 30 inch row	NT	No Till
Cg	Corn grain	NT/Dcvr	No Till, cover crop disked

Cg+cv	Corn grain to small grain cover crop	NT/NTcvr	No Till, cover crop no till
Cgbs+cv	Corn grain, baled stalks, to small grain cover crop		
Csl+acv	Corn silage to annual cover crop		
GH	Grass hay		
GHs	Grass hay Seeding		
Rwg+s	Winter Rye (grain+straw)		
Rwg+s+acv	Winter Rye (grain+straw) to annual cover crop		
Sg+cv	Soybeans to small grain cover crop		
Sg+s7+cv	Soybeans grain + straw to small grain cover crop		
Sg7	Soybeans 7-10 inch row		
SGf+cv	Sorghum-sudan forage to small grain cover crop		
SU	Sunflower		
Wwg+s+acv	Winter wheat (grain+straw) to annual cover crop		