

2001 Crop Year - Dakota Lakes Research Farm																
Rotation: Winter Wheat - Warm Season Broadleaf - Corn - Cool Season Broadleaf																
Tillage				Selling	Total	Machinery Cost		Materials Cost			Capital	Land		Net	Cost per	Break-Even
Type	Crop	Acres	Yield	Price	Revenue	Ownership	Operating	Materials	Fuel	Labor	Costs	Charge	Total Cost	Profit	Unit	Yield
No-till	S.Wheat	600	51	\$ 2.71	\$ 138.21	\$ 23.27	\$ 9.43	\$ 77.42	\$ 3.39	\$ 8.23	\$ 5.76	\$ 30.00	\$ 154.11	\$ (15.90)	\$ 3.02	56.9
No-till	Soybean	600	24	\$ 4.72	\$ 113.28	\$ 19.65	\$ 8.50	\$ 66.26	\$ 3.03	\$ 7.64	\$ 3.42	\$ 30.00	\$ 135.47	\$ (22.19)	\$ 5.64	28.7
No-till	Corn	600	86	\$ 1.78	\$ 153.08	\$ 18.82	\$ 8.11	\$ 90.64	\$ 2.78	\$ 6.64	\$ 4.05	\$ 30.00	\$ 158.26	\$ (5.18)	\$ 1.84	88.9
No-till	F. Pea	600	37.1	\$ 2.50	\$ 92.75	\$ 19.66	\$ 8.12	\$ 51.74	\$ 2.95	\$ 6.99	\$ 1.55	\$ 30.00	\$ 118.06	\$ (25.31)	\$ 3.18	47.2
	Average	2400			\$ 124.33	\$ 20.35	\$ 8.54	\$ 71.52	\$ 3.04	\$ 7.38	\$ 3.70	\$ 30.00	\$ 141.48	\$ (17.15)		
No-till	S.Wheat	600	51	\$ 2.71	\$ 138.21	\$ 23.27	\$ 9.43	\$ 77.42	\$ 3.39	\$ 8.23	\$ 5.76	\$ 30.00	\$ 154.11	\$ (15.90)	\$ 3.02	56.9
No-till	Sunflower	600	15.6	\$ 9.18	\$ 143.21	\$ 18.53	\$ 8.02	\$ 62.28	\$ 2.83	\$ 6.99	\$ 3.22	\$ 30.00	\$ 129.04	\$ 14.17	\$ 8.27	14.1
No-till	Corn	600	86	\$ 1.78	\$ 153.08	\$ 18.82	\$ 8.11	\$ 90.64	\$ 2.78	\$ 6.64	\$ 4.05	\$ 30.00	\$ 158.26	\$ (5.18)	\$ 1.84	88.9
No-till	F. Pea	600	37.1	\$ 2.50	\$ 92.75	\$ 19.66	\$ 8.12	\$ 51.74	\$ 2.95	\$ 6.99	\$ 1.55	\$ 30.00	\$ 118.06	\$ (25.31)	\$ 3.18	47.2
	Average	2400			\$ 131.81	\$ 20.07	\$ 8.42	\$ 70.52	\$ 2.99	\$ 7.21	\$ 3.65	\$ 30.00	\$ 139.87	\$ (8.05)		
No-till	S.Wheat	600	51	\$ 2.71	\$ 138.21	\$ 23.27	\$ 9.43	\$ 77.42	\$ 3.39	\$ 8.23	\$ 5.76	\$ 30.00	\$ 154.11	\$ (15.90)	\$ 3.02	56.9
No-till	Soybean	600	24	\$ 4.72	\$ 113.28	\$ 19.65	\$ 8.50	\$ 66.26	\$ 3.03	\$ 7.64	\$ 3.42	\$ 30.00	\$ 135.47	\$ (22.19)	\$ 5.64	28.7
No-till	Corn	600	86	\$ 1.78	\$ 153.08	\$ 18.82	\$ 8.11	\$ 90.64	\$ 2.78	\$ 6.64	\$ 4.05	\$ 30.00	\$ 158.26	\$ (5.18)	\$ 1.84	88.9
No-till	Canola	600	11.5	\$ 9.29	\$ 106.84	\$ 19.67	\$ 7.91	\$ 53.64	\$ 2.86	\$ 6.98	\$ 1.63	\$ 30.00	\$ 119.83	\$ (13.00)	\$ 10.42	12.9
	Average	2400			\$ 127.85	\$ 20.35	\$ 8.49	\$ 71.99	\$ 3.02	\$ 7.37	\$ 3.72	\$ 30.00	\$ 141.92	\$ (14.07)		
Whole Farm Profit																
	<u>Rotation</u>				<u>Net Return/acre</u>		<u>Acres</u>							<u>Total Income</u>		
	WW-SB-C-F.Pea				-\$17.15		2400							\$ (41,148.00)		
	WW-Sunf-C-F.Pea				-\$8.05		2400							\$ (19,332.00)		
	WW-SB-C-Canola				-\$14.07		2400							\$ (33,759.00)		
Workload capability is based on a 12.5' drill or planter and seeding 6 acres/hour.																
6 acres/hour X 10 hours/day X 10 days/crop = 600 acres per crop.																

2001 Crop Year - Dakota Lakes Research Farm

Rotation: Winter Wheat - Corn - Warm Season Broadleaf - Spring Wheat

Tillage Type	Crop	Acres	Yield	Selling	Total	Machinery Cost		Materials Cost			Capital	Land	Total Cost	Net	Cost per	Break-Even
				Price	Revenue	Ownership	Operating	Materials	Fuel	Labor	Costs	Charge		Profit	Unit	Yield
No-till	S.W/W.W	600	54.1	\$ 2.71	\$ 146.61	\$ 20.01	\$ 8.06	\$ 70.68	\$ 2.91	\$ 7.33	\$ 4.65	\$ 30.00	\$ 140.73	\$ 5.88	\$ 2.60	51.9
No-till	Corn	600	91	\$ 1.78	\$ 161.98	\$ 20.81	\$ 8.83	\$ 101.35	\$ 2.98	\$ 7.29	\$ 5.12	\$ 30.00	\$ 173.40	\$ (11.42)	\$ 1.91	97.4
No-till	Soybean	600	25	\$ 4.72	\$ 118.00	\$ 17.72	\$ 8.11	\$ 62.75	\$ 2.83	\$ 6.99	\$ 2.72	\$ 30.00	\$ 128.29	\$ (10.29)	\$ 5.13	27.2
No-till	S.Wheat	600	55.9	\$ 2.71	\$ 151.49	\$ 17.37	\$ 6.90	\$ 66.71	\$ 2.51	\$ 6.02	\$ 1.91	\$ 30.00	\$ 128.91	\$ 22.58	\$ 2.31	47.6
	Average	2400			\$ 144.52	\$ 18.98	\$ 7.98	\$ 75.37	\$ 2.81	\$ 6.91	\$ 3.60	\$ 30.00	\$ 142.83	\$ 1.69		
No-till	S.W/W.W	600	54.1	\$ 2.71	\$ 146.61	\$ 20.01	\$ 8.06	\$ 70.68	\$ 2.91	\$ 7.33	\$ 4.65	\$ 30.00	\$ 140.73	\$ 5.88	\$ 2.60	51.9
No-till	Corn	600	91	\$ 1.78	\$ 161.98	\$ 20.81	\$ 8.83	\$ 101.35	\$ 2.98	\$ 7.29	\$ 5.12	\$ 30.00	\$ 173.40	\$ (11.42)	\$ 1.91	97.4
No-till	Sunflower	600	18.04	\$ 9.18	\$ 165.61	\$ 16.64	\$ 7.61	\$ 58.89	\$ 2.63	\$ 6.33	\$ 2.65	\$ 30.00	\$ 122.12	\$ 43.49	\$ 6.77	13.3
No-till	S.Wheat	600	55.9	\$ 2.71	\$ 151.49	\$ 17.37	\$ 6.90	\$ 66.71	\$ 2.51	\$ 6.02	\$ 1.91	\$ 30.00	\$ 128.91	\$ 22.58	\$ 2.31	47.6
	Average	2400			\$ 156.42	\$ 18.71	\$ 7.85	\$ 74.41	\$ 2.76	\$ 6.74	\$ 3.58	\$ 30.00	\$ 141.29	\$ 15.13		
Whole Farm Profit																
	<u>Rotation</u>			<u>Net Return/acre</u>		<u>Acres</u>		<u>Total Income</u>								
	WW-C-SB-SW			\$1.69		2400		\$ 4,050.00								
	WW-C-Sunf-SW			\$15.13		2400		\$ 36,316.32								
Workload capability is based on a 12.5' drill or planter and seeding 6 acres/hour.																
6 acres/hour X 10 hours/day X 10 days/crop = 600 acres per crop.																

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Rotation: Winter Wheat - Corn - Cool Season Broadleaf																
Tillage				Selling	Total	Machinery Cost		Materials Cost			Capital	Land		Net	Cost per	Break-Even
Type	Crop	Acres	Yield	Price	Revenue	Ownership	Operating	Materials	Fuel	Labor	Costs	Charge	Total Cost	Profit	Unit	Yield
No-till	S.Wheat	600	56.3	\$ 2.71	\$ 152.57	\$ 28.60	\$ 8.91	\$ 66.07	\$ 3.42	\$ 8.22	\$ 3.22	\$ 30.00	\$ 145.02	\$ 7.55	\$ 2.58	53.5
No-till	Corn	600	86	\$ 1.78	\$ 153.08	\$ 24.44	\$ 8.45	\$ 103.47	\$ 2.98	\$ 7.29	\$ 5.02	\$ 30.00	\$ 178.67	\$ (25.59)	\$ 2.08	100.4
No-till	Chickpea	600	2364	\$ 0.11	\$ 260.04	\$ 26.43	\$ 10.25	\$ 64.66	\$ 3.72	\$ 8.83	\$ 1.94	\$ 30.00	\$ 142.11	\$ 117.93	\$ 0.06	1291.9
	Average	1800			\$ 188.56	\$ 26.49	\$ 9.20	\$ 78.07	\$ 3.37	\$ 8.11	\$ 3.39	\$ 30.00	\$ 155.27	\$ 33.30		
No-till	S.Wheat	600	56.3	\$ 2.71	\$ 152.57	\$ 28.60	\$ 8.91	\$ 66.07	\$ 3.42	\$ 8.22	\$ 3.22	\$ 30.00	\$ 145.02	\$ 7.55	\$ 2.58	53.5
No-till	Corn	600	86	\$ 1.78	\$ 153.08	\$ 24.44	\$ 8.45	\$ 103.47	\$ 2.98	\$ 7.29	\$ 5.02	\$ 30.00	\$ 178.67	\$ (25.59)	\$ 2.08	100.4
No-till	Canola	600	15.05	\$ 9.29	\$ 139.81	\$ 21.32	\$ 7.33	\$ 53.31	\$ 2.64	\$ 6.98	\$ 1.60	\$ 30.00	\$ 120.54	\$ 19.27	\$ 8.01	13.0
	Average	1800			\$ 148.49	\$ 24.79	\$ 8.23	\$ 74.28	\$ 3.01	\$ 7.50	\$ 3.28	\$ 30.00	\$ 148.08	\$ 0.41		
Whole Farm Profit																
<u>Rotation</u>		<u>Net Return/acre</u>			<u>Acres</u>		<u>Total Income</u>									
WW-C-Chickpea		\$33.30			1800		\$ 59,935.80									
WW-C-Canola		\$0.41			1800		\$ 742.50									
Workload capability is based on a 12.5' drill or planter and seeding 6 acres/hour.																
6 acres/hour X 10 hours/day X 10 days/crop = 600 acres per crop.																