

**SUMMARY SHEETS
ROTATION AND TILLAGE EXPERIMENTS
MAIN FIELD - 1953**

Crop - Wheat - Main Field		Station - Dickinson					Year - 1953		
Rotation Number	Previous Crop	Tillage Method						Sum	Average
		DD	SP	FP	F	GM			
1	Corn	19.2							
10	Corn	22.5							
11	Corn	21.8							
12	Corn	20.0							
14	Corn	19.2							
16	Corn	20.3							
19	Corn	19.8							
31	Corn	20.7							
42	Corn	23.0					DD after Corn (9)	186.5	20.7

2	Corn		22.4				SP after Corn (1)	22.4	22.4
3	Corn			16.7					
62	Corn			22.8			FP after Corn (2)	39.5	19.8
							All methods after Corn (12)	248.4	20.7
9	Oats		18.7				SP after Oats (1)	18.7	
4	Oats			16.7					
8	Oats			20.7			FP after Oats (2)	37.4	18.7
							All methods after Oats (3)	56.1	18.7
5	Fallow				24.3				
18	Fallow				23.5				
MC-C	Fallow				21.2				
61	Fallow				22.2				
63	Fallow				20.0		After fallow (5)	111.2	22.2
15	S. Clover					23.3			
17	S. Clover					26.3			
32	S. Clover					23.3	GM after Clover (3)	72.9	24.3

MC-A	Wheat		15.8				SP continuous (1)	15.8	15.8
MC-B	Wheat			14.6			FP Continuous (1)	14.6	14.6
49	Corn	22.8					DD after Corn (1)	22.8	22.8
415	Potatoes		24.5				SP after Potatoes (1)	24.5	24.5
Sum		209.3	81.4	91.5	111.2	72.9		566.3	
Plots		10	4	5	5	3		27	
Average		20.9	20.4	18.3	22.2	24.3			20.9

Crop - Oats - Main Field			Station - Dickinson					Year - 1953		
Rotation Number	Previous Crop	DD	SP	FP	GM	Sod	F		Sum	Average
4	Corn	45.9								
15	Corn	49.4								
17	Corn	50.3								
18	Corn	47.2								
32	Corn	51.9								

								DD after Corn (5)	244.7	48.9
7	Corn		57.2							
9	Corn		51.9					SP after Corn (2)	109.1	54.6
2	Wheat		55.9							
61	Wheat		53.4							
62	Wheat		62.8							
63	Wheat		62.8					SP after Wheat (4)	234.9	58.7
1	Wheat			45.6						
3	Wheat			47.2						
5	Wheat			58.1						
12	Wheat			49.1				FP after Wheat (4)	200.0	50.0
6	Barley			50.0				FP after Barley (1)	50.0	50.0
14	S. Clover				65.9					
16	S. Clover				68.1					
31	S. Clover				61.3			G.M. S. Clover (3)	195.3	65.1
42	Alfalfa					47.5				
10	Cr. Wht.					44.4				

11	S. Clover					52.8	All crops after sod (3)	144.7	48.2	
8	Fallow						61.9			
19	Fallow						65.0			
MC-C	Fallow						51.6	After fallow (3)	178.5	59.5
MC-A	Oats		37.8					SP Continuous	37.8	
MC-B	Oats			31.6				FP Continuous	31.6	
40	Corn	50.3						DD after Corn	50.3	
Sum		295.0	381.8	281.6	195.3	144.7	178.5		1476.9	
Plots		6	7	6	3	3	3		28	
Average		49.2	54.5	46.9	65.1	48.2	59.5			52.7

Crop - Barley		Station - Dickinson				Year - 1953	
Rotation Number	Previous Crop	DD	SP	FP	Fallow	Sum	Average
6	Corn	27.3					
7	Oats		29.0				

MC-A	Barley		27.1				
MC-B	Barley			23.7			
MC-C	Fallow				32.4		
79	Corn	31.2					
MC-C'	Fallow				37.6		
Sum		58.5	56.1	23.7	70.0	208.3	
Plots		2	2	1	2	7	
Average		29.3	28.1	23.7	35.0		29.8

Crop - Corn - Main Field				Station - Dickinson						Year - 1953		
Rotation Number	Previous Crop	SP		FP		F		Sum			Averages	
		Grain	Silage	Grain	Silage	Grain	Silage	Grain	Silage		Grain	Silage
2	Oats	41.4	12300									
10	Oats	45.7	10,500									
11	Oats	48.6	13,700									
12	Oats	58.7	13,700									
14	Oats	61.4	16,400									

16	Oats	48.6	12,800									
19	Oats	54.3	13,800									
31	Oats	48.6	13,700									
42	Oats	51.4	12,800									
62*	Oats	50.0	14,400					508.7	134,100	SP after Oats (10)	50.9	13,410
1	Oats			11.4	12,500							
3	Oats			22.9	9,400							
6	Oats			48.6	9,600							
								82.9	31,500	FP after Oats (3)	27.6	10,500
9	Wheat	38.6	12,700									
15	Wheat	45.7	14,400									
17	Wheat	60.0	15,300									
18	Wheat	54.3	13,300									
32	Wheat	55.7	13,700					254.3	69,400	SP after Wheat (5)	50.8	13,880
4	Wheat			37.1	9,200							
								37.1	9,200	FP after Wheat (1)	37.1	9,200

7	Barley	37.1	9,300					37.1	9,300	SP after Barley (1)	37.1	9,300
MC-A	Corn	22.9	8,900					22.9	8,900	SP Continuously	22.9	8,900
MC-B	Corn			14.3	7,100			14.3	7,100	FP Continuously	14.3	7,100
MC-C	Corn					14.3	9,600	14.3	9,600		14.3	9,600
									Alternate Fallow			
Sum		823.0	221,700	134.3	47,800	14.3	9,600	971.6	279,100			
Plots		17	17	5	5	1	1	23	23			
Average		38.4	13,040	26.9	9,560	14.3	9,600				42.2	12,135

Crop - Corn - Main Field, Station - Dickinson, Year - 1953			
Rotation Number	Previous Crop	SP	
		Grain	Silage
40	Oats	37.1	7,500
49	Wheat	48.6	13,000
79	Barley	45.7	11,700
242	Millet	40.0	11,300

243	Flax	42.9	11,600
245	Flax	48.6	11,600
Sum		262.9	66,700
Plots		6	76
Average		43.8	11,117

Crop - Flax		Station - Dickinson			Year - 1953	
Rotation Number	Previous Crop	SP	FP	DD	Sum	Average
243	Corn	8.8				
244	Corn		9.6			
245	Corn			8.0		
Sum		8.8	9.6	8.0	26.4	
Plots		1	1	1	3	
Average		8.8	9.6	8.0		8.8

Crop - Crested Wheatgrass	Station - Dickinson	Year - 1953
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Rotation Number		Sum	Average
10A	0		
10B	2100		
12D	0		
12E	1450		
12F	1800		
Sum	5350	5350	
Plots	5	5	
Average	1070		1070

Crop - Alfalfa, Station - Dickinson, Year - 1953		
Rotation Number	Previous Crop	
42B		0
42C		0
42D		1450

Crop - Sweet Clover, Station - Dickinson, Year - 1953		
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Rotation Number		
11A		2
11B		2000

Crop - Millet		Station - Dickinson		Year - 1953
Rotation Number	Previous Crop	Tillage Method	Sum	Average
		DD		
242	Corn	2,000		
Sum		2,000	2,000	
Plots		1	1	
Average		2,000		2,000

Crop - Potatoes		Station - Dickinson			Year - 1953	
Rotation Number	Previous Crop	Pounds per acre			Sum	Average
		US No. 1	Cull	Total		
414	Fallow	2400	750	3150		

415	Wheat	3150	1000	4150		
Sum		5550	1750	7300		
Plots		2	2	2		
Average		2775	875	3650		

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