

SUMMARY SHEETS

ROTATION AND TILLAGE EXPERIMENTS

MAIN FIELD - 1954

Crop - Wheat - Main Field				Station - Dickinson, North Dakota				Year - 1954	
Rotation Number	Previous Crop	Tillage Method						Sum	Average
		DD	SP	FP	F	GM			
1	Corn	7.8							
10	Corn	11.7							
11	Corn	7.3							
12	Corn	11.2							
14	Corn	10.0							
16	Corn	9.0							
31	Corn	7.5							
42	Corn	10.3					DD after Corn (8)	74.8	9.4
2	Corn		9.3				SP after Corn (1)	9.3	9.3
3	Corn			8.0					
62	Corn			12.5			FP after Corn (2)	20.5	10.3
							All methods after Corn		

							(11)	104.6	9.5
9	Oats		8.7				SP after Oats (1)	8.7	8.7
4	Oats			6.2					
8	Oats			5.3			FP after Oats (2)	11.5	5.8
							All methods after Oats (3)	20.2	6.7
5	Fallow				8.5				
MC-C	Fallow				10.3				
61	Fallow				10.2				
63	Fallow				7.8		After fallow (4)	36.8	9.2
15	S. Clover					12.7			
17	S. Clover					11.5			
32	S. Clover					11.7	GM after Clover (3)	35.9	12.0
MC-A	Wheat		9.0				SP Continuous (1)	9.0	9.0
MC-B	Wheat			4.5			FP Continuous (1)	4.5	4.5
415	Potatoes	11.7					DD after potatoes (1)	11.7	11.7
Sum		86.5	27.0	36.5	36.8	35.9			
Plots		9	3	5	4	3			

Average		9.6	9.0	7.3	9.2	12.0			
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Crop - Oats - Main Field				Station - Dickinson, ND					Year - 1954	
Rotation Number	Previous Crop	Tillage Method							Sum	Average
		DD	SP	FP	GM	Sod	F			
4	Corn	23.4								
15	Corn	28.8								
17	Corn	27.8								
32	Corn	26.3						DD after Corn (4)	106.3	26.6
7	Corn		25.6							
9	Corn		25.6					SP after Corn (2)	51.2	25.6
2	Wheat		31.9							
61	Wheat		34.4							
62	Wheat		34.4							
63	Wheat		31.3					SP after Wheat (4)	132.0	33.0
1	Wheat			17.5						

3	Wheat			15.0						
5	Wheat			16.9						
12	Wheat			23.8				FP after Wheat (4)	73.2	18.3
6	Barley			22.5				FP after Barley (1)	22.5	22.5
14	S. Clover				37.5					
16	S. Clover				43.1					
31	S. Clover				33.4			GM after S. Clover (3)	114.0	38.0
42	Alfalfa					16.6				
10	Cr. Wht.					25.6				
11	S. Clover					24.7		After sod (3)	66.9	22.3
8	Fallow						31.9			
Mc-C							32.2	After fallow (2)	64.1	32.1
								SD		

MC-A	Oats		25.3					S.P. Continuous	25.3	25.3
MC-B	Oats			13.1				FP Continuous	13.1	13.1
Sum		106.3	208.5	108.8	114.0	66.9	64.1			
Plots		4	7	6	3	3	2			
Average		26.6	29.8	18.1	38.0	22.3	32.1			

Crop - Barley - Main Field Station - Dickinson, North Dakota Year - 1954					
Rotation Number	Previous Crop	Tillage Method			
		DD	SP	FP	F
6	Corn	15.5			
7	Oats		18.4		
MC-A	Barley		15.9		

MC-B	Barley			6.5	
MC-D	Fallow				15.5
Sum		15.5	34.3	6.5	15.5
Plots		1	2	1	1
Average		15.5	17.2	6.5	15.5

Crop - Corn - Main Field				Station - Dickinson, North Dakota					Year - 1954			
Rotation Number	Previous Crop	SP		FP		F			Summary		Average	
		Grain	Silage	Grain	Silage	Grain	Silage		Grain	Silage	Grain	Silage
2	Oats	16.0	12,900									
10	Oats	19.8	14,600									
11	Oats	16.2	9,900									
12	Oats	13.2	11,400									
14	Oats	13.4	12,200									
16	Oats	18.1	10,700									
31	Oats	14.4	11,400									
42	Oats	15.5	12,500									
62	Oats	10.1	12,200					SP after Oats (9)	136.7	107,800	15.2	11,978

1	Oats			3.5	6200							
3	Oats			4.7	7800							
6	Oats			3.3	8800			FP after Oats (3)	11.5	22,800	3.8	7600
9	Wheat	13.6	8,800									
15	Wheat	15.1	11,600									
17	Wheat	16.9	10,600									
18	Wheat	13.2	10,400									
32	Wheat	13.2	11,300					SP after Wheat (5)	72.0	52,700	14.4	10,540
4	Wheat			7.1	7000			FP after Wheat (1)	7.1	7000	7.1	7000
7	Barley	15.3	11,000					SP after Barley (1)	15.3	11,000	15.3	11,000
MC-A	Corn	4.2	5200					SP Continuous	4.2	5200	4.2	5200
MC-B	Corn			3.3	7800			FP Continuous	3.3	7800	3.3	7800
MC-D	Corn					12.0	11,100	Alternate Corn and fallow	12.0	11,100	12.0	11,100

Sum		228.2	176,700	21.9	37,600	12.0	11,100					
Plots		16	16	5	5	1	1					
Average		14.3	11,044	4.4	7520	12.0	11,100					

**Crop - Crested Wheatgrass
Station - Dickinson
Year - 1954**

Rotation Number	Previous Crop	Yield lb. per acre
10A		1050
11 E		1650
12 C		900
12 D		1050
12 E		750

Crop - Alfalfa

Station - Dickinson Year - 1954		
Rotation Number	Previous Crop	Yield lb. per acre
42 A		---
42 B		200
42 C		1600

Crop - Sweet Clover Station - Dickinson Year - 1954		
Rotation Number	Previous Crop	Yield lbs. per acre
11 A		1100
11 E		0

Crop - Potatoes Station - Dickinson		
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Year - 1954

Rotation Number	Previous Crop	Yield - Bu. per acre		
		U.S. No. 1	Culls	Total
414	Fallow	63.3	18.3	81.6
415	Wheat	50.8	17.5	68.3