

## SUMMARY SHEETS ROTATION AND TILLAGE TRIALS MAIN FIELD 1952

Crop: Wheat - Main Field					Station: Dickinson			Year: 1952	
Rotation Number	Previous Crop	DD	SP	FP	Fallow	GM		Sum	Average
1	Corn	8.7							
10	Corn	11.2							
11	Corn	7.2							
12	Corn	9.0							
14	Corn	16.7							
16	Corn	9.7							
19	Corn	9.2							
31	Corn	7.8							
42	Corn	8.3					DD after corn (9)	87.8	9.8
2	Corn		8.0				SP after corn (1)	8.0	8.0

3	Corn			9.3					
62				10.5			FP after corn ( 2)	19.8	9.9
							All methods after corn (12)	115.6	9.6
9	Oats		7.5				SP after oats ( 1)	7.5	7.5
4	Oats			15.8					
8	Oats			10.0			FP after oats (2)	25.8	12.9
							All methods after oats (3)	33.3	11.1
5	Fallow				12.7				
18	Fallow				11.3				
MC-D	Fallow				8.2		After fallow (3)	32.2	10.7
61	Fallow	(out of phase - 1952)							
63	Fallow	(out of phase - 1952)							
15	S. Clover					8.3			

17	S. Clover					9.5			
32	S. Clover					8.8	After Clover (3) GM	26.6	8.9
MC-A	Wheat		7.5						
MC-B	Wheat			9.2			After Wheat ( 2)	16.7	8.4
49	Corn	10.7					After corn (1)	10.7	10.7
415	Potatoes	15.5					After potatoes (1)	15.5	15.5
Sum		114.0	23.0	54.8	32.2	26.6		250.6	
Plots		11	3	5	3	3		25	
Average		10.4	7.7	11.0	10.7	8.9			10.0

Remarks: Yields in bushels per acre except as noted below

<b>Crop:</b> Oats - Main Field					<b>Station:</b> Dickinson				<b>Year:</b> 1952	
Rotation Number	Previous Crop	DD	SP	FP	GM	Sod	Fallow		Sum	Average
4	Corn	27.8								

15	Corn	18.1								
17	Corn	10.3								
18	Corn	30.3								
32	Corn	23.8						DD after corn	110.3	22.1
7	Corn		19.1							
9	Corn		16.3					SP after corn	35.4	17.7
								All methods after corn (7)	145.7	20.8
2	Wheat	21.9								
61	Wheat	24.4								
62	Wheat	30.0								
63	Wheat	13.7						SP after wheat	90.0	22.5
1	Wheat		24.7							
3	Wheat		26.9							
5	Wheat		22.5							
12	Wheat		38.4					FP after wheat	112.5	

								All methods after wheat	202.5	25.3
6	Barley		19.1					FP after barley		19.1
14	S. Clover			22.8						
16	S. Clover			30.0						
31	S. Clover			20.9				After GM (3)	73.7	24.6
42	Alfalfa				40.3					
10	Cr. Wht.				15.3					
11	S. Clover				23.8			All crops after sod (3)	79.4	26.5
8	Fallow						34.7			
19	Fallow						17.8			
MC-D	Fallow						29.4	After fallow	81.9	27.3
MC-A	Oats		16.9							
MC-B	Oats			20.0				After oats	36.9	18.5

Sum		110.3	125.4	131.6	73.7	79.4	81.9		602.0	
Plots		5	6	5	3	3	3		25	
Average		22.1	20.9	26.3	24.6	26.5	27.3			24.1

Remarks: Yields in bushels per acre except as noted below

<b>Crop: Barley</b>		Dickinson: Station				<b>Year: 1952</b>	
Rotation Number	Previous Crop	DC	SP	FP	Fallow	Sum	Average
6	Corn	18.6					
7	Oats		12.4				
MC-A	Barley		16.9				
MC-B	Barley			20.0			
MC-D	Fallow				29.4		
Sum		18.6	29.3	20.0	29.4	97.3	
Plots		1	2	1	1	5	
Average		18.6	14.7	20.0	29.4	19.5	
79	Corn	13.1					
MC-C'	Fallow				21.0		

Sum		31.7	29.3	20.0	50.4	131.4	
Plots		2	2	1	2	7	
Average		15.9	14.7	20.0	25.2		18.8

Remarks: Yields in bushels per acre except as noted below

Crop: Corn - Main Field				Station: Dickinson				Year: 1952			
Rotation Number	Previous Crop	SP		FP		Fallow		Sum		Averages	
		Grain	Silage	Grain	Silage	Grain	Silage	Grain	Silage	Grain	Silage
2	Oats	15.1	4700								
10	Oats	20.0	6500								
11	Oats	5.4	4200								
12	Oats	10.9	4800								
14	Oats	27.4	9200								
16	Oats	23.4	9000								
19	Oats	20.3	7000								
31	Oats	14.9	5400								
42	Oats	12.9	4000								

62*	Oats	3.4	6200					153.7	61000	15.4	6100
1	Oats			14.6	4800						
3	Oats			18.0	5600						
6	Oats			18.0	5800			50.6	16200	16.9	5400
9	Wheat	10.9	3000								
15	Wheat	7.7	4500								
17	Wheat	14.6	3800								
18	Wheat	30.3	8300								
32	Wheat	17.7	5000					81.2	24600	16.2	4920
4	Wheat			21.7	5600			21.7	5600	21.7	5600
7	Barley	21.4	3500					21.4	3500	21.4	3500
MC-A	Corn	14.9	2700					14.9	2700	14.9	2700
MC-B	Corn			17.6	4600			17.6	4600	17.6	4600
MC-D	Fallow					32.9	7000	32.9	7000	32.9	7000
Sum		271.2	91800	89.9	26400	32.9	7000	394.0	125200	157.0	39820
Plots		17	17	5	5	1	1	23	23	8	8



Average		16.0	5400	18.0	5280	32.9	7000	17.1	5444	19.6	4978
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Remarks: Yields in bushels per acre except as noted below

Crop: Corn - Main Field		Station: Dickinson		Year: 1952	
Rotation Number	Previous Crop	SP		Sum	Average
		Grain	Silage		
40		7.7	3600		
49		16.0	3500		
79		10.9	3900		
242		11.3	3600		
243		25.0	5800		
244		35.1	6100		

245		11.7	3600		
				Grain	Silage
Sum		1177	31100	1177	31100
Plots		7	7	7	7
Average		16.8	4443	16.8	4443

<b>Crop:</b> Flax		<b>Station:</b> Dickinson		<b>Year:</b> 1952	
Rotation Number	Previous Crop	SP	DC	Sum	Average
243	Corn	2.1			
245	Corn		4.2		
Sum		2.1	4.2	6.3	
Plots		1	1	2	
Average		2.1	4.2		3.2

Remarks: Yields are in bushels per acre except as noted below

<b>Crop:</b> Millet		<b>Station:</b> Dickinson	<b>Year:</b> 1952	
Rotation Number	Previous Crop	DD	Sum	Average
242	Corn	400		
Sum		400		
Plots		1		
Average		400		

<b>Crop:</b> Crested Wheatgrass		<b>Station:</b> Dickinson	<b>Year:</b> 1952	
Rotation Number	Previous Crop	Hay	Sum	Average
10-B		0		
10-C		900		
12-D		650		
12-E		570		
12-F		530		
Sum		2650	2650	

Plots		5	5	
Average		530		530

Remarks: Yields in bushels per acre except as noted below

<b>Crop:</b> Potatoes		<b>Station:</b> Dickinson		<b>Year:</b> 1952	
Rotation Number	Previous Crop	SP	Fallow	Sum	Average
414	Fallow		5000# U.S. No. 1		
415	Wheat	4200# U.S. No. 1			
Sum		4200	5000	9200	
Plots		1	1	2	
Average		4200	5000		4600#

Remarks: Yields in bushels per acre except as noted below

<b>Crop:</b> Alfalfa		<b>Station:</b> Dickinson		<b>Year:</b> 1952	
Rotation Number	Previous Crop	Hay	Sum	Average	
42-C		120			
42-D		80			

42-E		30		
Sum		230	230	
Plots		3	3	
Average		77#		77#

Remarks: Yields in bushel per acre except as noted below

<b>Crop:</b> Sweet Clover	<b>Station:</b> Dickinson		<b>Year:</b> 1952	
Rotation Number	Previous Crop	DD	Sum	Average
11-B	Wheat	500		
11-C	S. Clover	450		
Sum		950	950	
Plots		2	2	
Average		475		475#

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