

**CROP ROTATION**

**Project - Rotation & Tillage Trials**

<b>Rotation - 101 Field N</b>		<b>Year - 1957</b>
	A	B
Crop	Oats & Peas, SP	Wheat, SP
Variety	Marion Canadian Field Peas	Selkirk
Plowing date	4 - 29 - 57	4 - 29 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	---
Seeding date	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 ½ BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill
Tillage after	---	---

seeding	---	---
Harvest date	7 - 26 - 57	8 - 12 - 57
Total pounds	4.5 tons silage	---
Straw, pounds	---	---
Grain, pounds	---	146
Yields per acre	4.5 tons silage	24.3 BPA
Grade	Good	55.0 lbs. per bu.

<b>Rotation - 102 - Field N</b>		<b>Year - 1957</b>
	A	B
Crop	Oats & Peas, SP	Wheat, SP
Variety	Marion Canadian Field Peas	Selkirk
Plowing date	4 - 29 - 57	4 - 29 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	---

Seeding date	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 ½ BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill
Tillage after seeding	---	---
Harvest date	7 - 26 - 57	8 - 12 - 57
Total pounds	3.3 tons silage	---
Straw, pounds	---	---
Grain, pounds	---	119
Yields per acre	3.3 tons silage	19.8 BPA
Grade	Good	55.0 lbs. per bu.

<b>Rotation - 103 - Field N</b>		<b>Year - 1957</b>
	A	B
Crop	Oats & Peas, SP	Wheat, SP
Variety	Marion Canadian Field Peas	Selkirk

Plowing date	4 - 29 - 57	4 - 29 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	---
Seeding date	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 ½ BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill
Tillage after seeding	---	---
Harvest date	7 - 26 - 57	8 - 12 - 57
Total pounds	5.2 tons silage	---
Straw, pounds	---	---
Grain, pounds	---	129
Yields per acre	5.2 tons silage	21.5 BPA
Grade	Good	55.0 lbs. per bu.

Rotation - 104 - Field N		Year - 1957
	A	B
Crop	Wheat, SP	Corn, SP
Variety	Selkirk	KF - 1
Plowing date	4 - 29 - 57	4 - 29 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	---
Seeding date	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	8 lbs/Acre
Seeding manner	DD Press Drill	2 row planter
Tillage after seeding	---	Necessary cultivation to control weeds.
Harvest date	8 - 12 - 57	8 - 30 - 57
Total pounds	---	6.5 tons silage
Straw, pounds	---	---
Grain,		

pounds	168	
Yields per acre	28.0 BPA	
Grade		

<b>Rotation - 105 - Field N</b>		<b>Year - 1957</b>
	A	B
Crop	Wheat, SP	Corn, SP
Variety	Selkirk	KF - 1
Plowing date	4 - 29 - 57	5 - 26 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	
Seeding date	4 - 30 - 57	5 - 27 - 57
Seeding rate	1 BPA	8 lbs/Acre
Seeding manner	DD Press Drill	2 row planter
Tillage after seeding	---	Necessary cultivation to

Seeding		control weeds.
Harvest date	8 - 12 - 57	8 - 30 - 57
Total pounds	---	5.7 tons silage
Straw, pounds	---	---
Grain, pounds	165	
Yields per acre	27.5 BPA	
Grade		

<b>Rotation - 106 Field N</b>		<b>Year - 1957</b>
	A	B
Crop	Wheat, SP	Corn, SP
Variety	Selkirk	KF - 1
Plowing date	4 - 29 - 57	5 - 26 - 57
Plowing depth	4 - 5 inches	4 - 5 inches
Tillage before seeding	---	---
Seeding		

Seeding date	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	8 lbs/Acre
Seeding manner	DD Press Drill	2 row planter
Tillage after seeding	---	Necessary cultivation to control weeds.
Harvest date	8 - 12 - 57	8 - 30 - 57
Total pounds	---	8.7 tons silage
Straw, pounds	---	---
Grain, pounds	183	
Yields per acre	30.5 BPA	
Grade		

Rotation - 18 - Field N		Year - 1957	
	A	B	C
Crop	Wheat, SP	Wheat, OW	Wheat, DD
Variety	Selkirk	Selkirk	Selkirk



Plowing date	4 - 29 - 57	---	---
Plowing depth	4 - 5 inches	---	---
Tillage before seeding	---	OW 4 - 29 - 57	DD 4 - 29 - 57
Seeding date	4 - 30 - 57	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	1 BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill	DD Press Drill
Tillage after seeding	---	---	---
Harvest date	8 - 12 - 57	8 - 12 - 57	8 - 12 - 57
Total pounds	---	---	---
Straw, pounds	---	---	---
Grain, pounds	95	95	66
Yields per acre	15.8 BPA	15.8 BPA	11.0 BPA
Grade			

<b>Rotation - 19 - Field N</b>	<b>Year - 1957</b>
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	A	B	C
Crop	Wheat, SP	Wheat, OW	Wheat, DD
Variety	Selkirk	Selkirk	Selkirk
Plowing date	4 - 29 - 57	---	---
Plowing depth	4 - 5 inches	---	---
Tillage before seeding	---	OW 4 - 29 - 57	DD 4 - 29 - 57
Seeding date	4 - 30 - 57	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	1 BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill	DD Press Drill
Tillage after seeding	---	---	---
Harvest date	8 - 12 - 57	8 - 12 - 57	8 - 12 - 57
Total pounds	---	---	---
Straw, pounds	---	---	---
Grain, pounds	70	65	55
Yields per acre	11.7 BPA	10.8 BPA	9.2 BPA
Grade			

<b>Rotation - 700 - Field N</b>		<b>Year - 1957</b>	
	A	B	C
Crop	Wheat, SP	Wheat, OW	Wheat, DD
Variety	Selkirk	Selkirk	Selkirk
Plowing date	4 - 29 - 57	---	---
Plowing depth	4 - 5 inches	---	---
Tillage before seeding	---	OW 4 - 29 - 57	DD 4 - 29 - 57
Seeding date	4 - 30 - 57	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	1 BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill	DD Press Drill
Tillage after seeding	---	---	---
Harvest date	8 - 12 - 57	8 - 12 - 57	8 - 12 - 57
Total pounds	---	---	---
Straw, pounds	---	---	---
Grain, pounds	140	122	124

Yields per acre	23.3 BPA	20.3 BPA	20.7 BPA
Grade			

Rotation - 710 - Field N		Year - 1957	
	A	B	C
Crop	Wheat, SP	Wheat, OW	Wheat, DD
Variety	Selkirk	Selkirk	Selkirk
Plowing date	4 - 29 - 57	---	---
Plowing depth	4 - 5 inches	---	---
Tillage before seeding	---	4 - 29 - 57	DD 4 - 29 - 57
Seeding date	4 - 30 - 57	4 - 30 - 57	4 - 30 - 57
Seeding rate	1 BPA	1 BPA	1 BPA
Seeding manner	DD Press Drill	DD Press Drill	DD Press Drill
Tillage after seeding	---	---	---
Harvest date	8 - 12 - 57	8 - 12 - 57	8 - 12 - 57
Total pounds	---	---	---
Stover			

Straw, pounds	---	---	---
Grain, pounds	127	120	127
Yields per acre	21.2 BPA	20.0 BPA	21.2 BPA
Grade			

### SUMMARY SHEETS

Crop - Wheat Field N		Station - Dickinson, N. Dak.				Year - 1957	
Rotation Number	Previous Crop	Cultural Method				Sum	Average
		SP	DD	OW			
101	Oats-Peas	24.3					
102	Oats-Peas	19.8					
103	Oats-Peas	21.5			SP after Oats & Peas (3)	65.6	21.9
104	Corn	28.0					
105	Corn	27.5					
106	Corn	30.5			SP after corn (3)	86.0	28.7

18	Wheat	15.8					
19	Wheat	11.7					
700	Wheat	23.3					
710	Wheat	21.2			SP after wheat (4)	72.0	180
18	Wheat		11.0				
19	Wheat		9.2				
700	Wheat		20.7				
710	Wheat		21.2		DD after wheat (4)	62.1	15.5
18	Wheat			15.8			
19	Wheat			10.8			
700	Wheat			20.3			
710	Wheat			20.0	OW after wheat (4)	66.9	16.7

**Crop - Oats & Peas Silage  
Station - Dickinson, N. Dak.**

<b>Year - 1957</b>		
Rotation Number	Previous Crop	Cultural Method
		SP
		Green weight Tons per acre
101	Wheat	4.5
102		3.3
103		5.2
Sum		13.0
Plots		3
Average		4.3

<b>Crop - Corn - Field N Station - Dickinson, N. Dak. Year - 1957</b>		
		Cultural Method

		SP
Rotation Number	Previous Crop	Yield - Tons per acre
104		6.5
105		5.7
106		8.7
Sum		20.9
Plots		3
Average		7.0 Tons