

ROTATION SHEETS
ROTATION & TILLAGE EXPERIMENTS
MAIN FIELD - 1955

PROJECT - Rotation & Tillage Trials

Rotation - 1 - Main Field		Year - 1955	
	A	B	C
Crop	Oats, FP	Corn, FP	Wheat, DC
Variety	Palomino	Nodak 301	Lee
Plowing date	9-20-54	9-20-54	4-12-55
Plowing depth	4-5 inches	4-5 inches	4-5 inches
Tillage before seeding	DD 4-12	DD 5-16	---
Seeding date	4-15	5-18	4-13
Seeding rate	6 pecks per acre	8 lbs. per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		Necessary cultivation to control weeds	
Harvest date	7-26	9-6, 10-21	7-29

Total pounds		3520# silage	
Straw, pounds			
Grain, pounds			
Yields per acre	39.1 bpa	5.7 bpa	17.3 bpa
Grade	36.0 lbs/bu.	Good	61.0 lbs./bu.

Rotation - 2 - Main Field		Year - 1955	
	A	B	C
Crop	Oats, SP	Corn, SP	Wheat, SP
Variety	Palomino	Nodak 301	Lee
Plowing date	4-12	5-16	4-12
Plowing depth	4-5 inches	4-5 inches	4-5 inches
Tillage before seeding			
Seeding date	4-15	5-17	4-13
Seeding rate	6 pecks per acre	8 lbs per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to control weeds	
Harvest date	7-26	9-6, 10-21	7-29

Total pounds		8080 lbs. silage	
Straw, pounds			
Grain, pounds			
Yields per acre	44.1 bpa	25.0 bpa	22.3 bpa
Grade	38.0 lbs/bu	Good	62.0 lbs/bu

Rotation - 3 - Main Field	Year - 1955		
	A	B	C
Crop	Oats, SP	Corn, FP	Wheat, FP
Variety	Palomino	Nodak 301	Lee
Plowing date	9-20-54	9-20-54	9-20-54
Plowing depth	4-5 inches	4-5 inches	4-5 inches
Tillage before seeding	DD 4-12	DD 5-16	DD 4-12
Seeding date	4-15	5-17	4-13
Seeding rate	6 pecks per acre	8 lbs per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to control weeds	

Harvest date	7-26	9-6, 10-21	7-29
Total pounds		3720# silage	
Straw, pounds			
Grain, pounds			
Yields per acre	40.6 bpa	6.4 bpa	13.2 bpa
Grade	39.0 lbs/bu.	Good	60.0 lbs/bu.

Rotation - 4 - Main Field		Year - 1955	
	A	B	C
Crop	Wheat, FP	Corn, FP	Oats, DC
Variety	Lee	Nodak 301	Palomino
Plowing date	9-20-54	9-20-54	
Plowing depth	4-5 inches	4-5 inches	
Tillage before seeding	DD 4-12	DD 5-16	DD 4-12
Seeding date	4-13	5-17	4-15
Seeding rate	1 bpa	8 lbs per acre	6 pecks per acre
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to	

		control weeds	
Harvest date	7-29	9-6, 10-21	7-26
Total pounds		4760# silage	
Straw, pounds			
Grain, pounds			
Yields per acre	15.3 bpa	14.3 bpa	39.4 bpa
Grade	62.0 lbs/bu.	Good	38.0 lbs/bu

Rotation - 5 - Main Field		Year - 1955	
	A	B	C
Crop	Oats, FP	Fallow	Wheat, F
Variety	Palomino		Lee
Plowing date	9-20-54		
Plowing depth	4-5 inches		
Tillage before seeding	DD 4-12		DF 4-12
Seeding date	4-15		4-13
Seeding rate	6 pecks per acre		1 bu per acre

Seeding manner	DD press drill		DD press drill
Tillage after seeding			
Harvest date	7-26		7-29
Total pounds			
Straw, pounds			
Grain, pounds			
Yields per acre	42.5 bpa		24.8 bpa
Grade	36.0 lbs/bu		59.5 lbs/bu

Rotation - 6 - Main Field		Year - 1955	
	A	B	C
Crop	Oats, FP	Corn, FP	Barley, DC
Variety	Palomino	Nodak 301	Tregal
Plowing date	9-20-54	9-20-54	
Plowing depth	4-5 inches	4-5 inches	
Tillage before seeding	DD 4-12	DD 5-16	DD 4-12
Seeding date	4-15	5-17	4-15

Seeding rate	6 pecks per acre	8 lbs per acre	5 pecks per acre
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to control weeds	
Harvest date	7-26	9-6, 10-21	7-26
Total pounds		4560 # silage	
Straw, pounds			
Grain, pounds			
Yields per acre	36.9 bpa	12.1 bpa	23.3 bpa
Grade	37.0 lbs/bu	Good	51.0 lbs/bu

Rotation - 7 - Main Field	Year - 1955		
	A	B	C
Crop	Barley, SP	Corn, SP	Oats, SP
Variety	Tregal	Nodak 301	Palomino
Plowing date	4-12	5-16	4-12
Plowing depth	4-5 inches	4-5 inches	4-5 inches
Tillage before seeding			
Seeding date	4-15	5-17	4-15

Seeding rate	5 pecks per acre	8 lbs per acre	6 pecks per acre
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to control weeds	
Harvest date	7-26	9-6, 10-21	7-26
Total pounds		5800 # silage	
Straw, pounds			
Grain, pounds			
Yields per acre	20.4 bpa	14.3 bpa	51.6 bpa
Grade	48.0 lbs/bu	Good	37.0 lbs/bu

Rotation - 8 Main Field		Year - 1955	
	A	B	C
Crop	Wheat, FP	Fallow	Oats, F
Variety	Lee		Palomino
Plowing date	9-20-54		
Plowing depth	4-5 inches		
Tillage before seeding	DD 4-12		DF 4-12

Seeding date	4-13		4-15
Seeding rate	1 bpa		6 pecks per acre
Seeding manner	DD press drill		DD press Drill
Tillage after seeding			
Harvest date	7-29		7-26
Total pounds			
Straw, pounds			
Grain, pounds			
Yields per acre	14.8 bpa		65.0 bpa
Grade	61.5 lbs/bu		35.0 lbs/bu

Rotation - 9 Main Field		Year - 1955	
	A	B	C
Crop	Wheat SP	Corn SP	Oats SP
Variety	Lee	Nodak 301	Palomino
Plowing date	4-12	5-16	4-12
Plowing depth	4-5 inches	4-5 inches	4-5 inches

Tillage before seeding			
Seeding date	4-13	5-17	4-15
Seeding rate	1 bpa	8 lbs per acre	6 pecks per acre
Seeding manner	DD press Drill	2 horse planter	DD press drill
Tillage after seeding		necessary cultivation to control weeds	
Harvest date	7-29	9-6, 10-21	7-26
Total pounds		5840 # silage	
Straw, pounds			
Grain, pounds			
Yields per acre	17.2 bpa	11.4 bpa	43.8 bpa
Grade	62.5 lbs/bu	Good	34.0 lbs/bu

Rotation - 10 Main Field			Year - 1955		
	A	B	C	D	E
Crop	Oats FP	Corn SP	Wheat DC Cr. Wheat	Cr. Wheat	Cr. Wheat
Variety	Palomino	Nodak 301	Lee Standard	Standard	Standard
Plowing date	9-20-54	5-16			

Plowing depth	4-5 inches	4-5 inches			
Tillage before seeding			DD 4-12		
Seeding date	4-15	5-17	4-13	1954	1953
Seeding rate	6 pecks/acre	8 lbs/acre	1 bpa	10 lbs/acre	10 lbs/acre
Seeding manner	DD press drill	2 horse planter	DD press drill		
Tillage after seeding		necessary cultivation to control weeds			
Harvest date	7-26	9-6, 10-21	7-29	6-21	6-21
Total pounds		7320 lb/silage		450 lbs/acre	670 lbs/acre
Straw, pounds					
Grain, pounds					
Yields per acre	47.5 bpa	19.3 bpa	26.3 bpa	450 lbs/acre	670 lbs/acre
Grade	37.0 lbs/bu	Good	58.0 lbs/bu	Good	Good

Rotation - 11 Main Field			Year - 1955		
	A	B	C	D	E
Crop	Oats SP	Corn SP	Wheat DC	S. Clover	S. Clover

Variety	Palomino	Nodak 301	Lee	Y. B.	Y. B.
Plowing date	4-12	5-16			
Plowing depth	4-5 inches	4-5 inches			
Tillage before seeding			DD 4-12		
Seeding date	4-15	5-17	4-13	1955	1954
Seeding rate	6 pecks/acre	8 lbs/acre	1 bpa	8 lbs/acre	
Seeding manner	DD press drill	2 horse planter	DD press drill	DD press drill	
Tillage after seeding		necessary cultivation to control weeds			
Harvest date	7-26	9-6, 10-21	7-29	6-21	6-21
Total pounds		5160 lbs silage			
Straw, pounds					
Grain, pounds					
Yields per acre	54.7 bpa	5.7 bpa	18.8 bpa	None	1530 lbs/acre
Grade	37.0 lbs/bu.	Good	62.0 lbs/bu		Good

Rotation - 12 Main Field				Year - 1955		
	A	B	C	D	E	F
Crop	Wheat DC Cr. Wheat	Cr. Wheat	Cr. Wheat	Cr. Wheat	Oats FP	Corn SP
Variety	Lee Standard	Standard	Standard	Standard	Palomino	Nodak 301
Plowing date					9-20-54	5-16
Plowing depth					4-5 inches	4-5 inches
Tillage before seeding	DD 4-12				DD 4-12	
Seeding date	4-13	1954	1953	1952	4-15	5-17
Seeding rate	1 bpa	10 lbs/acre	10 lbs/acre	10 lbs/acre	6 pecks/acre	8 lbs/acre
Seeding manner	DD press drill				DD press drill	2 horse planter
Tillage after seeding						necessary cultivation to control weeds
Harvest date	7-29	6-21	6-21	6-21	7-26	9-6, 10-21
Total pounds						7080 lb silage
Straw, pounds						

Grain, pounds						
Yields per acre	22.2 bpa				32.8 bpa	12.1 bpa
Grade	61.0 lbs/bu	Good	Good	Good	39.0 lbs/bu	Good

Rotation - 14 Main Field			Year - 1955	
	A	B	C	D
Crop	Wheat DC S. Clover	S. Clover	Oats GM	Corn SP
Variety	Lee Y. B. Clover	Y. B. Clover	Palomino	Nodak 301
Plowing date				5-16
Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	
Seeding date	4-13	1954	4-15	5-17
Seeding rate	1 bpa	8 lbs per acre	6 pecks per acre	8 lbs per acre
Seeding manner	DD Press Drill	DD Press Drill	DD Press Drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds

Harvest date	7-29	GM crop	7-26	9-6, 10-21
Total pounds				9760 lbs silage
Straw, pounds				
Grain, pounds				
Yields per acre	21.7 bpa		74.1 bpa	34.3 bpa
Grade	60.0 lbs/bu		34.0 lbs/bu	Good

Rotation - 15 Main Field		Year - 1955		
	A	B	C	D
Crop	Oats DC S. Clover	S. Clover	Wheat GM	Corn SP
Variety	Palomino Y. B. Clover	Y. B. Clover	Lee	Nodak 301
Plowing date				5-16
Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	
Seeding date	4-15	1954	4-13	5-17
Seeding rate	6 pecks per acre	8 lbs per acre	1 bpa	8 lbs per acre

Seeding manner	DD press drill	DD press drill	DD press drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds
Harvest date	7-26	G. M. crop	7-29	9-6, 10-21
Total pounds				5560 lbs silage
Straw, pounds				
Grain, pounds				
Yields per acre	39.1 bpa		26.7 bpa	17.9 bpa
Grade	37.0 lbs/bu		58.0 lbs/bu	Good

Rotation - 16 Main Field			Year - 1955	
	A	B	C	D
Crop	Wheat DC S. Clover	S. Clover	Oats G. M.	Corn SP
Variety	Lee Y. B. Clover	Y. B. Clover	Palomino	Nodak 301
Plowing date				5-16
Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	

Seeding date	4-13	1954	4-15	5-17
Seeding rate	1 bpa		6 pecks per acre	8 lbs per acre
Seeding manner	DD press drill		DD Press drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds
Harvest date	7-29		7-26	9-6, 10-21
Total pounds				9040 lbs silage
Straw, pounds				
Grain, pounds				
Yields per acre	23.0 bpa	GM crop	60.9 bpa	33.6 bpa
Grade	62.0 lbs/bu.		33.0 lbs/bu	Good

Rotation - 17 Main Field		Year - 1955		
	A	B	C	D
Crop	Oats DC S. Clover	S. Clover	Wheat G. M.	Corn SP
Variety	Palomino Y. B. Clover	Y. B. Clover	Lee	Nodak 301
Plowing date				5-16

Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	
Seeding date	4-15		4-13	5-17
Seeding rate	6- pecks per acre		1 bpa	8 lbs per acre
Seeding manner	DD Press drill		DD Press drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds
Harvest date	7-26		7-29	9-6, 10-21
Total pounds				6240 lbs silage
Straw, pounds				
Grain, pounds				
Yields per acre	43.1 bpa		21.7 bpa	12.1 bpa
Grade	36.0 lbs/bu		58.5 lbs/bu	Good

Rotation - 18 Main Field		Year - 1955
	A	B
Crop	Corn SP	Oats DC

Variety	Nodak 301	Palomino
Plowing date	5-16	
Plowing depth	4-5 inches	
Tillage before seeding		DD 4-12
Seeding date	5-17	4-15
Seeding rate	8 lbs per acre	6 pecks per acre
Seeding manner	2 horse planter	DD press drill
Tillage after seeding	necessary cultivation to control weeds	
Harvest date	9-6, 10-21	7-26
Total pounds	6760 lbs silage	
Straw, pounds		
Grain, pounds		
Yields per acre	24.3 bpa	43.1 bpa
Grade	Good	36.0 lbs/bu

Rotation - 18 Main Field		Year - 1955
	C	D

Crop	Wheat DC Fertilized	Corn SP Fertilized
Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		6760 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	34.0 bpa	25.0 bpa
Grade	60.5 lbs/bu	Good

Rotation - 19 Main Field	Year - 1955
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	A	B
Crop	Wheat DC check	Corn SP check
Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		6560 lbs silage
Straw, pounds		
Grain, pounds		
Yields per acre	15.7 bpa	22.9 bpa
Grade	61.0 lbs/bu	Good

Rotation - 19 Main Field		Year - 1955
	C	D
Crop	Wheat DC Fertilized	Corn SP
Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		8000 lbs silage
Straw, pounds		
Grain, pounds		
Yields per acre	26.2 bpa	31.4 bpa
Grade	61.0 lbs/bu	Good

Rotation - 31 Main Field			Year - 1955	
	A	B	C	D
Crop	Wheat DC S. Clover	S. Clover	Oats G. M.	Corn SP
Variety	Lee Y. B. Clover	Y. B. Clover	Palomino	Nodak 301
Plowing date				5-16
Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	
Seeding date	4-13		4-15	5-17
Seeding rate	1 bpa		6 pecks per acre	8 lbs per acre
Seeding manner	DD Press drill		DD Press drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds
Harvest date	7-29		7-26	9-6, 10-21
Total pounds				5960 lbs silage
Straw, pounds				
Grain, pounds				

Yields per acre	20.3 bpa		57.5 lbs/bu	6.4 bpa
Grade	60.0 lbs/bu		32.0 lbs/bu	Good

Rotation 32 Main Field			Year - 1955	
	A	B	C	D
Crop	Oats DC S. Clover	S. Clover	Wheat G. M.	Corn SP
Variety	Palomino Y. B. Sweet Clover	Y. B. Clover	Lee	Nodak 301
Plowing date				5-16
Plowing depth				4-5 inches
Tillage before seeding	DD 4-12		DD 4-12	
Seeding date	4-15		4-13	5-17
Seeding rate	6 pecks per acre		1 bpa	8 lbs per acre
Seeding manner	DD Press drill		DD Press drill	2 horse planter
Tillage after seeding				necessary cultivation to control weeds
Harvest date	7-26		7-29	9-6, 10-21

Total pounds				7600 lbs. silage
Straw, pounds				
Grain, pounds				
Yields per acre	53.1 bpa		26.2 bpa	17.9 bpa
Grade	35.0 lbs/bu		56.0 lbs/bu	Good

Rotation - 42 Main Field				Year - 1555		
	A	B	C	D	E	F
Crop	Alfalfa	Alfalfa	Oats SP	Corn SP	Wheat DC	alfalfa
Variety	Ladak	Ladak	Palomino	Nodak 301	Lee	Ladak
Plowing date			9-20-54	5-16		
Plowing depth			4-5 inches	4-5 inches		
Tillage before seeding			DD 4-12		DD 4-12	
Seeding date	1954	1953	4-15	5-17	4-13	1955
Seeding rate			6 pecks/acre	8 lbs/acre	1 bpa	8 lbs/acre
Seeding			DD press drill	2 horse	DD press	DD press

manner				planter	drill	drill
Tillage after seeding				necessary cultivation to control weeds		
Harvest date	6-21	6-21	7-26	9-6, 10-21	7-29	
Total pounds	62	31		5160 lbs silage		None
Straw, pounds						
Grain, pounds						
Yields per acre	620 lbs	310 lbs	53.8 bpa	5.0 bpa	24.7 bpa	
Grade	Excellent	Excellent	37.0 lbs/bu	Good	59.5 lbs/bu.	

Rotation - 61 Main Field		Year - 1955	
	A	B	C
Crop	Fallow	Wheat F	Oats SP
Variety		Lee	Palomino
Plowing date			4-12
Plowing depth			4-5 inches

Tillage before seeding		DF 4-12	
Seeding date		4-13	4-15
Seeding rate		1 bpa	6 pecks per acre
Seeding manner		DD press drill	DD press drill
Tillage after seeding			
Harvest date		7-29	7-26
Total pounds			
Straw, pounds			
Grain, pounds			
Yields per acre		25.2 bpa	60.3 bpa
Grade		58.0 lbs/bu	37.0 lbs/bu

Rotation - 62 Main Field		Year - 1955	
	A	B	C
Crop	Corn SP Manured	Wheat F. P.	Oats S. P.
Variety	Nodak 301	Lee	Palomino
Plowing date	5-16	9-20-54	4-12

Plowing depth	4-5 inches	4-5 inches	4-5 inches
Tillage before seeding		DD 4-12	
Seeding date	5-17	4-13	4-15
Seeding rate	8 lbs per acre	1 bpa	6 pecks per acre
Seeding manner	2 horse planter	DD press drill	DD press drill
Tillage after seeding	necessary cultivation to control weeds		
Harvest date	9-6, 10-21	7-29	7-26
Total pounds	6360 lbs silage		
Straw, pounds			
Grain, pounds			
Yields per acre	7.1 bpa	18.5 bpa	67.5 bpa
Grade	Good	57.5 lbs/bu	38.0 lbs/bu

Rotation - 63 Main Field	Year - 1955		
	A	B	C
Crop	Fallow	Wheat F	Oats SP
Variety		Lee	Palomino

Plowing date			4-12
Plowing depth			4-5 inches
Tillage before seeding		DF 4-12	
Seeding date		4-13	4-15
Seeding rate		1 bpa	6 pecks per acre
Seeding manner		DD Press drill	DD Press drill
Tillage after seeding		7-29	7-26
Harvest date			
Total pounds			
Straw, pounds			
Grain, pounds			
Yields per acre		22.5 bpa	51.6 bpa
Grade		58.0 lbs/bu	37.0 lbs/bu

Rotation - 78 Main Field		Year - 1955
	A	B
Crop	Wheat DC Fertilized	Corn SP

Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		7560 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	34.7 bpa	27.9 bpa
Grade	61.0 lbs/bu	Good

Rotation - 40 Main Field		Year - 1955
	A	B

Crop	Wheat DC Fertilized	Corn SP
Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		5400 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	22.5 bpa	18.6 bpa
Grade	61.0 lbs/bu	Good

Rotation - 49 Main Field	Year - 1955
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	A	B
Crop	Wheat DC check	Corn SP check
Variety	Lee	Nodak 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		7200 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	20.8 bpa	27.9 bpa
Grade	61.5 lbs. bu	Good

Rotation - 79 Main Field		Year - 1955
	A	B
Crop	Wheat DC Fertilized	Corn Sp Fertilized
Variety	Lee	N.Dak. 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs. per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		6240 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	22.2 bpa	16.4 bpa
Grade	59.5 lbs/bu	Good

Rotation - 242 Main Field		Year - 1955
	A	B
Crop	Wheat DC Fertilized	Corn SP Fertilized
Variety	Lee	N.Dak. 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		5840 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	20.3 bpa	27.9 bpa
Grade	62.0 lbs/bu	Good

Rotation - 245 Main Field		Year - 1955
	A	B
Crop	Wheat DC check	Corn SP check
Variety	Lee	N.Dak. 301
Plowing date		5-16
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-17
Seeding rate	1 bpa	8 lbs per acre
Seeding manner	DD Press drill	2 horse planter
Tillage after seeding		necessary cultivation to control weeds
Harvest date	7-29	9-6, 10-21
Total pounds		5560 lbs. silage
Straw, pounds		
Grain, pounds		
Yields per acre	15.0 bpa	22.9 bpa
Grade	62.0 lbs/bu	Good

Rotation - 414 Main Field		Year - 1955
	A	B
Crop	Fallow	Potatoes F
Variety		Cobbler
Plowing date		
Plowing depth		
Tillage before seeding		DD 4-12 DF 5-4
Seeding date		5-5
Seeding rate		10 bpa
Seeding manner		Hand planted
Tillage after seeding		necessary cultivation to control weeds
Harvest date		9-13
Total pounds		700
Straw, pounds		
Grain, pounds		

Yields per acre		117.0 bpa
Grade		U. S. no. 1

Rotation 415 Main Field		Year - 1955
	A	B
Crop	Wheat DD	Potatoes SP
Variety	Lee	Cobbler
Plowing date		5-4
Plowing depth		4-5 inches
Tillage before seeding	DD 4-12	
Seeding date	4-13	5-5
Seeding rate	1 bpa	10 bpa
Seeding manner	DD Press drill	Hand planted
Tillage after seeding		
Harvest date	7-29	9-13
Total pounds		640 lbs.
Straw, pounds		

Grain, pounds		
Yields per acre	20.7 bpa	107.0 bpa
Grade	61.5 lbs/bu	U. S. no. 1

Rotation - Continuous wheat - Main Field			Year - 1955	
	A	B	C	D
Crop	Wheat SP	Wheat FP	Wheat F	Fallow
Variety	Lee	Lee	Lee	
Plowing date	4-12	9-20-54		
Plowing depth	4-5 inches	4-5 inches		
Tillage before seeding		DD 4-12	DF 4-12	
Seeding date	4-13	4-13	4-13	
Seeding rate	1 bpa	1 bpa	1 bap	
Seeding manner	DD Press drill	DD press drill	DD press drill	
Tillage after seeding				
Harvest date	7-29	7-29	7-29	
Total pounds				

Straw, pounds				
Grain, pounds				
Yields per acre	21.5 bpa	12.2 bpa	21.8 bpa	
Grade	60.5 lbs/bu	60.0 lbs/bu	60.0 lbs/bu	

Rotation - Continuous Oats - Main Field			Year - 1955	
	A	B	C	D
Crop	Oats SP	Oats FP	Oats F	Fallow
Variety	Palomino	Palomino	Palomino	
Plowing date	4-12	9-20-54		
Plowing depth	4-5 inches	4-5 inches		
Tillage before seeding		DD 4-12	DF 4-12	
Seeding date	4-15	4-15	4-15	
Seeding rate	6 pecks per acre	6 pecks per acre	6 pecks per acre	
Seeding manner	DD press drill	DD press drill	DD press drill	
Tillage after seeding				

Harvest date	7-26	7-26	7-26	
Total pounds				
Straw, pounds				
Grain, pounds				
Yields per acre	35.9 bpa	28.8 bpa	57.5 bpa	
Grade	37.0 lbs/bu	38.0 lbs/bu	36.0 lbs/bu	

Rotation - Continuous Barley - Main Field			Year - 1955	
	A	B	C	D
Crop	Barley SP	Barley FP	Barley F	Fallow
Variety	Tregal	Tregal	Tregal	
Plowing date	4-12	9-20-54		
Plowing depth	4-5 inches	4-5 inches		
Tillage before seeding		DD 4-12	DF 4-12	
Seeding date	4-15	4-15	4-15	
Seeding rate	5 pecks per acre	5 pecks per acre	5 pecks per acre	

Seeding manner	DD press drill	DD press drill	DD press drill	
Tillage after seeding				
Harvest date	7-26	7-26	7-26	
Total pounds				
Straw, pounds				
Grain, pounds				
Yields per acre	20.8 bpa	15.6 bpa	25.4 bpa	
Grade	49.0 lbs/bu	47.0 lbs/bu	46.0 lbs/bu	

Rotation - Continuous Corn - Main Field			Year - 1955	
	A	B	C	D
Crop	Corn SP	Corn FP	Corn F	Fallow
Variety	N.Dak. 301	N.Dak. 301	N.Dak. 301	
Plowing date	5-16	9-20-54		
Plowing depth	4-5 inches	4-5 inches		
Tillage before seeding		DD 5-16	DF 5-16	

Seeding date	5-17	5-17	5-17	
Seeding rate	8 lbs per acre	8 lbs per acre	8 lbs per acre	
Seeding manner	2 horse planter	2 horse planter	2 horse planter	
Tillage after seeding	necessary cultivation to control weeds	necessary cultivation to control weeds	necessary cultivation to control weeds	
Harvest date	9-6, 10-21	9-6, 10-21	9-6, 10-21	
Total pounds	4800 lbs. silage	3560 lbs. silage	6720 lbs. silage	
Straw, pounds				
Grain, pounds				
Yields per acre	17.9 bpa	21.4 bpa	35.0 bpa	
Grade	Good	Good	Good	

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