

**ROTATION SHEETS
ROTATION AND TILLAGE EXPERIMENTS
MAIN FIELD 1952**

ROTATION <u>1</u> YEAR <u>1952</u>			
	A	B	C
Crop	Oats, FP	Corn, FP	Wheat, DC
Variety	Gopher	Falconer	Pilot
Plowing date	10-1-51	10-1-51	
Plowing depth			
Tillage before seeding	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date	4-18	5-16	4-18
Seeding rate	1 1/2 bpa	8# per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding or other treatment	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52

Harvest date	7-31	9-10	8-6
Total pounds		4800# silage	
Straw pounds			
Grain pounds	790	1020	520
Yields per acre	24.7 bu.	14.6 bu. shelled corn	8.7 bu.
Grade	35.0#	Good	59.5#

ROTATION <u>2</u>			
YEAR <u>1952</u>			
	A	B	C
Crop	Oats, SP	Corn, SP	Wheat, SP
Variety	Gopher	Falconer	Pilot
Plowing date	4-17	5-15	4-17
Plowing depth			
Tillage before seeding	H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date	4-18	5-16	4-18
Seeding rate	1 1/2 bpa	8# per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill

Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	9-10	8-6
Total pounds		4700# silage	
Straw pounds			
Grain pounds	700#	1060#	480#
Yields per acre	21.9 bu.	15.1 bu. shelled corn	8.0 bu.
Grade	35.0#	Good	52.5#

ROTATION <u>3</u> YEAR <u>1952</u>			
	A	B	C
Crop	Oats, FP	Corn, FP	Wheat, FP
Variety	Gopher	Falconer	Pilot
Plowing date	10-1-51	10-1-51	10-1-51
Plowing depth			
Tillage before seeding	DD 4-17 H 4-17	DD 5-16 H 5-16	DD 4-17 H 4-17

Seeding date	4-18	5-16	4-18
Seeding rate	1 1/2 bpa	8# per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	9-10	8-6
Total pounds		5600# silage	
Straw pounds			
Grain pounds	860#	1260#	560#
Yields per acre	26.9 bu.	18.0 bu. shelled corn	9.3 bu.
Grade	35.0#	Good	58.5#

ROTATION <u>4</u> YEAR <u>1952</u>			
	A	B	C
Crop	Wheat, FP	Corn, FP	Oats, DC
Variety	Pilot	Falconer	Gopher
Plowing date	10-1-51	10-1-51	10-1-51
Plowing depth			

Tillage before seeding	DD 4-17 H 4-17	DD 5-16 H 5-16	DD 4-17 H 4-17
Seeding date	4-18	5-16	4-18
Seeding rate	1 bpa	8# per acre	1 1/2 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	8-6	9-10	7-31
Total pounds		5600# silage	
Straw pounds			
Grain pounds	480	1520	890
Yields per acre	8.0 bu.	21.7 bu. shelled corn	27.8 bu.
Grade	60.0#	Good	33.5#

ROTATION <u>5</u> YEAR <u>1952</u>			
	A	B	C
Crop	Oats, FP	Fallow	Wheat, F
Variety	Gopher		Pilot

Plowing date	10-1-51	5-28	
Plowing depth			
Tillage before seeding	DD 4-17 H 4-17	DF 6-12, 7-11	DF 4-17 H 4-17
Seeding date	4-18		4-18
Seeding rate	1 1/2 bpa		1 bpa
Seeding manner	DD press drill		DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31		8-6
Total pounds			
Straw pounds			
Grain pounds	720		760
Yields per acre	22.5 bu.		12.7 bu.
Grade	35.0#		57.5#

ROTATION 6
YEAR 1952

	A	B	C
Crop	Oats, FP	Corn, FP	Barley, DC
Variety	Gopher	Falconer	Trebi
Plowing date	10-1-51	10-1-51	
Plowing depth			
Tillage before seeding	DD 4-17 H 4-17	DD 4-17 H 5-16	DD 4-17 H 4-17
Seeding date	4-18	5-16	4-19
Seeding rate	1 1/2 bpa	8# per acre	1 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	9-10	7-31
Total pounds		5800# silage	
Straw pounds			
Grain pounds	610	1260	910
Yields per acre	19.1 bu.	18.0 bu. shelled corn	18.6 bu.
Grade	34.5#	Good	46.5#

ROTATION 7
YEAR 1952

	A	B	C
Crop	Barley, SP	Corn, SP	Oats, SP
Variety	Trebi	Falconer	Gopher
Plowing date	4-17	5-14	4-17
Plowing depth			
Tillage before seeding	H 4-17	H 5-16	H 4-17
Seeding date	4-18	5-16	4-18
Seeding rate	1 bpa	8# per acre	1 1/2 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	9-10	7-31
Total pounds		3500# silage	
Straw pounds			
Grain pounds	610	1500	610
Yields per acre	12.4 bu.	21.4 bu. shelled corn	19.1 bu.
Grade	45.0#	Good	33.5#

ROTATION 8
YEAR 1952

	A	B	C
Crop	Wheat, FP	Fallow	Oats, F
Variety	Pilot		Gopher
Plowing date	10-1-51	5-28	
Plowing depth			
Tillage before seeding	H 4-17	DF 6-12, 7-11	DF 4-17, 4-17
Seeding date	4-18		4-18
Seeding rate	1 bpa		1 1/2 bpa
Seeding manner	DD press drill		DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	8-6		7-31
Total pounds			
Straw pounds			

Grain pounds	600		1110
Yields per acre	10.0 bu.		34.7 bu.
Grade	59.0#		34.0#

ROTATION <u>9</u>			
YEAR <u>1952</u>			
	A	B	C
Crop	Wheat, SP	Corn, SP	Oats, SP
Variety	Pilot	Falconer	Gopher
Plowing date	4-17	5-14	4-17
Plowing depth			
Tillage before seeding	H 4-17	H 5-16	H 4-17
Seeding date	4-18	5-16	4-18
Seeding rate	1 bpa	8# per acre	1 1/2 bpa
Seeding manner	DD press drill	2 horse planter	DD press drill
Tillage after seeding	Sprayed with 3/4 pint per	H 6-12	Sprayed with 3/4 pint per

	acre application of Amine 2, 4-D on 6-4-52	Cul 6-20, 7-3, 7-23	acre application of Amine 2, 4-D on 6-4-52
Harvest date	8-6	9-10	7-31
Total pounds		3000# silage	
Straw pounds			
Grain pounds	450	760	520
Yields per acre	7.5 bu.	10.9 bu. shelled corn	16.3 bu.
Grade	58.0#	Fair	33.5#

ROTATION <u>10</u> YEAR <u>1952</u>					
	A	B	C	D	E
Crop	Wheat, DC Cr. Whtgr.	Cr. Whtgr.	Cr. Whtgr.	Oats, FP, Sod	Corn, SP
Variety	Pilot - Std.	Standard	Standard	Gopher	Falconer
Plowing date					5-14
Plowing depth					
Tillage before	DD 4-17			H 4-17	H 5-16

seeding	H 4-17				
Seeding date	4-18			4-18	5-16
Seeding rate	1 bpa			1 1/2 bpa	8# per acre
Seeding manner	DD press drill			DD press drill	2 horse planter
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52			Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3 7-23
Harvest date	8-6		6-19	7-31	9-10
Total pounds		0	90#		6500# silage
Straw pounds					
Grain pounds	670			490	1400
Yields per acre	11.2 bu.	0	900#	15.3 bu.	20.0 bu. shelled corn
Grade	58.5#		Good	34.5#	Good
Not enough hay on 10B to pick up with farm equipment					


ROTATION 11
YEAR 1952

	A	B	C	D	E
Crop	Wheat, DC	S. Clover	S. Clover	Oats, SP	Corn, SP
Variety	Pilot	Yellow	Yellow	Gopher	Falconer
Plowing date				4-17	5-14
Plowing depth					
Tillage before seeding	DD 4-17 H 4-17	DD 4-23 H 4-23		H 4-17	H 5-16
Seeding date	4-18	4-24		4-18	5-16
Seeding rate	1 bpa			1 1/2 bpa	8# per acre
Seeding manner	DD press drill	DD press drill		DD press drill	2 HP
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-24-52			Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-24-52	H 6-12 Cul 6-20, 7-3 7-23
Harvest date	8-6	6-19	6-19	7-31	9-10
Total pounds		50	45		4200# silage
Straw pounds					
Grain pounds	430			760	380
Yields per acre	7.2 bu.	500#	450#	23.8 bu.	5.4 bu. shelled corn

Grade	59.0#	Good	Good	33.5#	Fair
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ROTATION <u>12</u> YEAR <u>1952</u>						
	A	B	C	D	E	F
Crop	Wheat, DC	Oats, FP	Corn, SP	Cr. Wht.	Cr. Wht.	Cr. Wht.
Variety	Pilot	Gopher	Falconer	Standard	Standard	Standard
Plowing date			5-15			
Plowing depth						
Tillage before seeding	DD 4-17 H 4-17	H 4-17				
Seeding date	4-18	4-18	5-16			
Seeding rate	1 bpa	1 1/2 bpa	8# per acre			
Seeding manner	DD press drill		2 HP			
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52		H 6-12 Cul 6-20, 7-3 7-23			
Harvest date	8-6	7-31	9-10	6-19	6-19	6-19
Total pounds			4800# silage	65	57	53

Straw pounds						
Grain pounds	540	1070	720			
Yields per acre	9.0 bu.	38.4 bu.	10.9 bu. shelled corn	650#	570#	530#
Grade	58.5#	35.5#	Good	Good	Good	Good


ROTATION 14 YEAR 1952				
	A	B	C	D
Crop	S. Clover, GM	Oats, GM	Corn, SP	Wheat, DC - S. Clover
Variety	Yellow	Gopher	Falconer	Pilot - Yellow
Plowing date			5-14	
Plowing depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18
Seeding rate		1  bpa	8# per acre	1 bpa

Seeding manner		DD press drill	2 HP	DD press drill
Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date		7-31	9-10	8-6
Total pounds			9200# silage	
Straw pounds				
Grain pounds		730	1920	1000
Yields per acre		22.8 bu.	27.4 bu. shelled corn	16.7 bu.
Grade		34.5#	Good	59.0#
14A out of phase in 1952				

ROTATION <u>15</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	S. Clover, GM	Wheat, GM	Corn, SP	Oats, DC - S. Clover
Variety	Yellow	Pilot	Falconer	Gopher -

				Yellow
Plowing date			5-14	
Plowing depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	
Seeding rate		1 bpa	8# per acre	1 $\frac{27}{11}$ bpa
Seeding manner		DD press drill	2 horse planter	DD press drill
Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date		8-6	9-10	7-31
Total pounds			4500# silage	
Straw pounds				
Grain pounds		498	540	580
Yields per acre		8.3 bu.	7.7 bu. shelled	18.1 bu.

			corn	
Grade		50.0#	Good	32.0#
15A out of phase in 1952				

ROTATION <u>16</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	S. Clover, GM	Oats, GM	Corn, SP	Wheat, DC S. Clover
Variety	Yellow	Gopher	Falconer	Pilot - Yellow
Plowing Date			5-14	
Plowing Depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18
Seeding rate		1  bpa	8# per acre	1 bpa
Seeding manner		DD press drill	2HP	DD press drill
Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52

Harvest date		7-31	9-10	8-6
Total Pounds			9000# silage	
Straw pounds				
Grain pounds		960	1640	580
Yields per acre		30.0 bu.	23.4 bu. shelled corn	9.7 bu.
Grade		33.0#	Good	58.5#
16A out of phase in 1952				

ROTATION <u>17</u>				
YEAR <u>1952</u>				
	A	B	C	D
Crop	S. Clover, GM	Wheat, GM	Corn, SP	Oats, DC - S. Clover
Variety	Yellow	Pilot	Falconer	Gopher
Plowing Date			5-14	
Plowing Depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18

Seeding rate		1 bpa	8# per acre	1 $\frac{2}{3}$ bpa
Seeding manner		DD press drill	2 HP	DD press drill
Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date		8-6	9-10	7-31
Total Pounds			3800# silage	
Straw pounds				
Grain pounds		570	1020	330
Yields per acre		9.5 bu.	14.6 bu. shelled corn	10.3 bu.
Grade		56.0#	Good	33.0#
17A out of phase in 1952.				

ROTATION <u>18</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	Wheat, F	Corn, SP	Oats, DC	Fallow
Variety	Pilot	Falconer	Gopher	

Plowing Date		5-15		5-28
Plowing Depth				
Tillage before seeding	DF 4-17 H 4-17	H 5-16	DD 4-17 H 4-17	DF 6-16 7-11
Seeding date	4-18	5-16	4-18	
Seeding rate	1 bpa	8# per acre	1 $\frac{27}{1}$ bu.	
Seeding manner	DD press drill	2 HP	DD press drill	
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3 , 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	
Harvest date	8-6	9-10	7-31	
Total Pounds		8300# silage		
Straw pounds				
Grain pounds	680	2120	970	
Yields per acre	11.3 bu.	30.3 bu. shelled corn	30.3 bu.	
Grade	58.0#	Good	33.5#	

ROTATION 19
YEAR 1952

	A	B	C	D
Crop	Fallow	Oats, F	Corn, SP	Wheat, DC
Variety		Gopher	Falconer	Pilot
Plowing Date	5-28		5-14	
Plowing Depth				
Tillage before seeding	DF 6-12, 7-11	DF 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18
Seeding rate		1 $\frac{27}{11}$ bpa	8# per acre	1 bpa
Seeding manner		DD press drill	2 HP	DD press drill
Tillage after seeding		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date		7-31	9-10	8-6
Total Pounds			7000# silage	
Straw pounds				
Grain pounds		570	1420	550
Yields per acre		17.8 bu.	20.3 bu. shelled corn	9.2 bu.

Grade		33.5#	Good	58.5#
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ROTATION <u>31</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	S. Clover, GM	Oats, GM	Corn, SP	Wheat, DC - S. Clover
Variety	Yellow	Gopher	Falconer	Pilot - Yellow
Plowing Date			5-14	
Plowing Depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18
Seeding rate		1 $\frac{27}{11}$ bpa	8# per acre	1 bpa
Seeding manner		DD press drill	2 HP	DD press drill
Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date		7-31	9-10	8-6

Total Pounds			5400# silage	
Straw pounds				
Grain pounds		670	1040	470
Yields per acre		20.9 bu.	14.9 bu. shelled corn	7.8 bu.
Grade		33.0#	Good	58.0#

ROTATION <u>32</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	S. Clover, GM	Wheat, GM	Corn, SP	Oats, DC - S. Clover
Variety	Yellow	Pilot	Falconer	Gopher -Yellow
Plowing Date			5-14	
Plowing Depth				
Tillage before seeding	DF 6-12	DD 4-17 H 4-17	H 5-16	DD 4-17 H 4-17
Seeding date		4-18	5-16	4-18
Seeding rate		1 bpa	8# per acre	1 $\frac{27}{11}$ bpa
Seeding manner		DD press drill	2 HP	DD press drill

Tillage after seeding	DF 7-11	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date		8-6	9-10	7-31
Total Pounds			5000# silage	
Straw pounds				
Grain pounds		530	1240	760
Yields per acre		8.8 bu.	17.7 bu. shelled corn	23.8 bu.
Grade		57.5#	Good	33.0#

ROTATION <u>42</u> YEAR <u>1952</u>						
	A	B	C	D	E	F
Crop	Corn, SP	Wheat, DC	Alfalfa	Alfalfa	Alfalfa	Oats, FP
Variety	Falconer	Pilot	Ladak	Ladak	Ladak	Gopher
Plowing Date	5-14					
Plowing Depth						
Tillage before seeding	H 5-16	DD 4-17 H 4-17	DD 4-23 H 4-23			H 4-17

Seeding date	5-16	4-18				4-18
Seeding rate	8# per acre	1 bpa				1 $\frac{27}{1}$ bpa
Seeding manner	2 HP	DD press drill				DD press drill
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52				Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	9-10	8-6	6-19	6-19	6-19	7-31
Total Pounds	4000# silage		120	80	30	
Straw pounds						
Grain pounds	900	500				1290
Yields per acre	12.9 bu. shelled corn	8.3 bu.	120#	80#	30#	40.3 bu.
Grade	Good	58.5#	Poor	Poor	Poor	34.5#

ROTATION <u>61</u>			
YEAR <u>1952</u>			
	A	B	C

Crop	Fallow	Wheat, F	Oats, SP
Variety		Pilot	Gopher
Plowing Date	5-28		4-17
Plowing Depth			
Tillage before seeding	DF 6-12, 7-11	DF 4-17 H 4-17	H 4-17
Seeding date		4-18	4-18
Seeding rate		1 bpa	1 $\frac{27}{n}$ bpa
Seeding manner		DD press drill	DD press drill
Tillage after seeding		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	
Harvest date		8-6	7-31
Total Pounds			
Straw pounds			
Grain pounds		530	780
Yields per acre		8.8 bu.	24.4 bu.
Grade		57.0#	33.5#

ROTATION 62
YEAR 1952

	A	B	C
Crop	Corn, SP, Manured	Wheat, FP	Oats, SP
Variety	Falconer	Pilot	Gopher
Plowing Date	5-14		4-17
Plowing Depth			
Tillage before seeding	H 5-16	H 4-17	H 4-17
Seeding date	5-16	4-18	4-18
Seeding rate	8# per acre	1 bpa	1 1/2 bpa
Seeding manner	2 HP	DD press drill	DD press drill
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	
Harvest date	9-10	8-6	7-31
Total Pounds	6200# silage		
Straw pounds			
Grain pounds	240	630	960
Yields per acre	3.4 bu. shelled corn	10.5 bu.	30.0 bu.
Grade	Poor	58.5#	33.5#

ROTATION 63
YEAR 1952

	A	B	C
Crop	Fallow	Wheat, F	Oats, SP
Variety		Pilot	Gopher
Plowing Date	5-28		4-17
Plowing Depth			
Tillage before seeding	DF 6-12, 7-11	DF 4-17 H 4-17	H 4-17
Seeding date		4-18	4-18
Seeding rate		1 bpa	1 1/2 bpa
Seeding manner		DD press drill	DD press drill
Tillage after seeding		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	
Harvest date		8-6	7-31
Total Pounds			
Straw pounds			
Grain pounds		230	440

Yields per acre		3.8 bu.	13.7 bu.
Grade		54.0#	33.5#

ROTATION MC' YEAR <u>1952</u>		
	C'	D'
Crop	Barley	Fallow
Variety	Trebi	
Plowing Date		5-28
Plowing Depth		
Tillage before seeding	DF 4-17 H 4-17	DF 6-12, 7-11
Seeding date	4-19	
Seeding rate	1 bpa	
Seeding manner	DD press drill	
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	
Harvest date	8-4	
Total Pounds		

Straw pounds		
Grain pounds	1030	
Yields per acre	21.0 bu.	
Grade	45.5#	

ROTATION <u>40</u> YEAR <u>1952</u>		
	A	B
Crop	Oats, DC	Corn, SP
Variety	Gopher	Falconer
Plowing Date		5-15
Plowing Depth		
Tillage before seeding	DD 4-17 H 4-17	H 5-16
Seeding date	4-18	5-16
Seeding rate	1 1/2 bpa	8# per acre
Seeding manner	DD press drill	2 horse planter
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23

Harvest date	7-31	9-12
Total Pounds		3600# silage
Straw pounds		
Grain pounds	530	540
Yields per acre	16.6 bu.	7.7 bu. shelled corn
Grade	34.0#	Good

ROTATION <u>49</u> YEAR <u>1952</u>		
	A	B
Crop	Wheat, DC	Corn, SP
Variety	Pilot	Falconer
Plowing Date		5-15
Plowing Depth		
Tillage before seeding	DD 4-17 H 4-17	H 5-16
Seeding date	4-18	5-16
Seeding rate	1 bpa	8# per acre
Seeding manner	DD press drill	2 Horse planter

Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23
Harvest date	8-6	9-10
Total Pounds		4500# silage
Straw pounds		
Grain pounds	640	1120
Yields per acre	10.7 bu.	16.0 bu. shelled corn
Grade	58.0#	Good

ROTATION <u>79</u> YEAR <u>1952</u>		
	A	B
Crop	Barley, DC	Corn, SP
Variety	Trebi	Falconer
Plowing Date		5-15
Plowing Depth		
Tillage before seeding	DD 4-17 H 4-17	H 5-16
Seeding date	4-19	5-16

Seeding rate	1 bpa	8# per acre
Seeding manner	DD press drill	2 HP
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52	H 6-12 Cul 6-20, 7-3, 7-23
Harvest date	7-29	9-10
Total Pounds		3900# silage
Straw pounds		
Grain pounds	640	760
Yields per acre	13.1 bu.	10.9 bu. shelled corn
Grade	45.0#	Good

ROTATION <u>242</u> YEAR <u>1952</u>		
	A	B
Crop	Corn, SP	Millet, DC
Variety	Falconer	Siberian
Plowing Date	5-15	
Plowing Depth		
Tillage before seeding	H 5-16	DD 4-17

Seeding date	5-16	4-24
Seeding rate	8# per acre	20# per acre
Seeding manner	2 HP	DD press drill
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	9-10	8-14
Total Pounds	3600# silage	40
Straw pounds		
Grain pounds	680	
Yields per acre	11.3 bu. shelled corn	400#
Grade	Good	Good
242 B - Millet harvested as hay.		

ROTATION <u>243</u> YEAR <u>1952</u>		
	A	B
Crop	Corn, SP	Flax, SP
Variety	Falconer	B. 5577
Plowing Date	5-15	4-17

Plowing Depth		
Tillage before seeding	H 5-16	H 4-17
Seeding date	5-16	4-23
Seeding rate	8# per acre	2 pecks per acre
Seeding manner	2 horse planter	DD press drill
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date	9-10	9-3
Total Pounds	5800# silage	
Straw pounds		
Grain pounds	1740	120
Yields per acre	25.0 bu. shelled corn	2.1 bu.
Grade	Good	53.0#

ROTATION <u>244</u> YEAR <u>1952</u>		
	A	B
Crop	Corn, FP	Cr. Wht.
Variety	Falconer	Standard

Plowing Date	5-15	
Plowing Depth		
Tillage before seeding	H 5-16	
Seeding date	5-16	
Seeding rate	8# per acre	
Seeding manner	2 horse planter	
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date	9-10	
Total Pounds	6100# silage	
Straw pounds		
Grain pounds	2460	
Yields per acre	35.1 bu. shelled corn	
Grade	Good	

244 B no longer in use for experimental purposes.

ROTATION 245
YEAR 1952

	A	B
Crop	Corn, SP	Flax, DC
Variety	Falconer	B. 5577
Plowing Date	5-15	
Plowing Depth		
Tillage before seeding	H 5-16	DD 4-17 H 4-17
Seeding date	5-16	4-23
Seeding rate	8# per acre	2 pecks per acre
Seeding manner	2 horse planter	DD press drill
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	
Harvest date	9-10	9-3
Total Pounds	3600# silage	
Straw pounds		
Grain pounds	820	240
Yields per acre	11.7 bu. shelled corn	4.2 bu.
Grade	Good	53.0#

ROTATION 414
YEAR 1952

	A	B
Crop	Potatoes, F	Fallow
Variety	Cobbler	
Plowing Date		5-28
Plowing Depth		
Tillage before seeding	DF 5-10 H 5-10	DF 6-12, 7-11
Seeding date	5-10	
Seeding rate	10 bpa	
Seeding manner	Hand planted	
Tillage after seeding		
Harvest date	September 24	
Total Pounds	520#	
Straw pounds		
Grain pounds		
Yields per acre	5000# U.S. No. 1	
Grade	U.S. No. 1	

ROTATION 415
YEAR 1952

	A	B
Crop	Potatoes, SP	Wheat, DD
Variety	Cobbler	Pilot
Plowing Date	5-10	
Plowing Depth		
Tillage before seeding	H 5-10	DD 4-17 H 4-17
Seeding date	5-10	4-18
Seeding rate	10 bpa	1 bpa
Seeding manner	Hand planted	DD press drill
Tillage after seeding		Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	9-24	8-6
Total Pounds	445#	
Straw pounds		
Grain pounds		

Yields per acre	4200#	15.5 bu.
Grade	U.S. No. 1	58.0#

ROTATION <u>Continuous wheat</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	Wheat, SP	Wheat, FP	Fallow	Wheat, F
Variety	Pilot	Pilot		Pilot
Plowing Date	4-17		5-28	
Plowing Depth				
Tillage before seeding	H 4-17	H 4-17	DF 6-12, 7-11	DF 4-17 H 4-17
Seeding date	4-18	4-18		4-18
Seeding rate	1 bpa	1 bpa		1 bpa
Seeding manner	DD press drill	DD press drill		DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52			Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	8-6	8-6		8-6

Total Pounds				
Straw pounds				
Grain pounds	450	550		490
Yields per acre	7.5 bu.	9.2 bu.		8.2 bu.
Grade	58.0#	59.0#		58.0#

ROTATION <u>Continuous Oats</u>				
YEAR <u>1952</u>				
	A	B	C	D
Crop	Oats, SP	Oats, FP	Fallow	Oats, F
Variety	Gopher	Gopher		Gopher
Plowing Date	4-17	10-1-51	5-28	
Plowing Depth				
Tillage before seeding	H 4-17	H 4-17	DF 6-12 H 7-11	DF 4-17 H 4-17
Seeding date	4-18	4-18		4-18
Seeding rate	1 1/2 bpa	1 1/2 bpa		1 1/2 bpa
Seeding manner	DD press drill	DD press drill		DD press drill

Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52			Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	7-31		7-31
Total Pounds				
Straw pounds				
Grain pounds	540	640		940
Yields per acre	16.9 bu.	20.0 bu.		29.4 bu.
Grade	34.5#	33.5#		33.5#

ROTATION <u>Continuous barley</u> YEAR <u>1952</u>				
	A	B	C	D
Crop	Barley, SP	Barley, FP	Fallow	Barley, F
Variety	Trebi	Trebi		Trebi
Plowing Date	4-17	10-1-51	5-28	
Plowing Depth				
Tillage before seeding	H 4-17	H 4-17	DF 6-12 H 7-11	DF 4-17 H 4-17

Seeding date	4-19	4-19		4-19
Seeding rate	1 bpa	1 bpa		1 bpa
Seeding manner	DD press drill	DD press drill		DD press drill
Tillage after seeding	Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52			Sprayed with 3/4 pint per acre application of Amine 2, 4-D on 6-4-52
Harvest date	7-31	7-31		7-31
Total Pounds				
Straw pounds				
Grain pounds	620	790		890
Yields per acre	12.6 bu.	16.1 bu.		18.1 bu.
Grade	45.0#	46.5#		45.0#

ROTATION Continuous corn YEAR 1952				
	A	B	C	D
Crop	Corn, SP	Corn, FP	Fallow	Corn, F
Variety	Falconer	Falconer		Falconer

Plowing Date	5-15		5-28	
Plowing Depth				
Tillage before seeding	H 5-16	H 5-16	DF 6-12, 7-11	DD 5-15 H 5-16
Seeding date	5-16	5-16		5-16
Seeding rate	8# per acre	8# per acre		8# per acre
Seeding manner	2 horse planter	2 horse planter		2 Horse planter
Tillage after seeding	H 6-12 Cul 6-20, 7-3, 7-23	H 6-12 Cul 6-20, 7-3, 7-23		H 6-12 Cul 6-20, 7-3, 7-23
Harvest date	9-10	9-10		9-10
Total Pounds	2700# silage	4600# silage		7000# silage
Straw pounds				
Grain pounds	1040	1220		2300
Yields per acre	14.9 bu. shelled corn	17.6 bu. shelled corn		32.9 bu. shelled corn
Grade	Good	Good		Good

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