Appendix IV.A. Arlington Research Station WICST Input/Output Data - 1992
Corn treatments

Crop-92	Cont. Corn	Corn	Corn	Filler Corn	Corn
Prev Crop	Corn	Soybean	Wheat/RC	Filler Corn	Alfalfa
Rotation	R1	R2	R3	R4	R5
Treatment	1	2	5	10	11
Plot #'s	109,204,306,412	108,206,310,408	106,202,307,411	107,205,309,404	110,208,304,413
Primary Tillage	Chisel Plow Fall 1991	No-till	Chisel Plow Fall 1991	Chisel Plow Fall 1991	Chisel Plow Fall 1991
Secondary Tillage	Disk 5/5/92 Soil Finisher 5/5/92	None	Disk 5/5/92 Soil Finisher 5/11/92	Disk 5/5/92 Soil Finisher 5/5/92	Disk 5/5/92 Soil Finisher 5/11/92
Planting Date	5/5/92	5/5/92	5/12/92	5/5/92	5/12/92
Variety	DeKalb 547	DeKalb 547	DeKalb 547	DeKalb 547	DeKalb 547
Planting Rate	32,100	32,100	32,100	32,100	32,100
Fertilizer					
Starter	100 lb/A of 6-24-24	100 lb/A of 6-24-24	None	None	None
Nitrogen	165 lb/A of 82-0-0 5/4/92	146 lb/A of 82-0-0 5/4/92	125 lb/A N as Red Clover	177 lb/A of 82-0-0 5/4/92	None
Manure	None	None	None	None	15 Ton/A Fall 1991
Pesticides	Lasso 2 qt/A Extraz. II DF 2.5 lb/A 5/12/92 preemerge Counter 15G 9 lb/A planter applied	Lasso 1.3 qt/A Bladex 1.7 qt/A 5/8/92 preemerge	None accent (plot #307 and west 1/4 #106)	Lasso 2 qt/A Extraz. II DF 2.5 lb/A 5/7/92 preemerge Counter 15G 9 lb/A planter applied	None
Rotary Hoe	None	None	#1 5/18/92 #2 5/22/92 #3 6/1/92	None	#1 5/18/92 #2 5/22/92 #3 6/1/92
Cult.	S-tine 6/10/92 6/19/92	S-tine 6/10/92 6/19/92	S-tine 6/19/92 6/30/92	S-tine 6/10/92 6/19/92	S-tine 6/19/92 6/30/92
Fall Practices	Chisel Plow 11/30/92	Chisel Plow 11/30/92	Chisel Plow 11/30/92	20 T/A manure 11/30/92 Chisel Plow 11/30/92	15 T/A manure 11/30/92 Chisel Plow 11/30/92
Harvest	11/18/92	11/18/92	11/18/92	11/18/92	11/18/92
Yield	144 bu/A	150 bu/A	99 bu/A	132 bu/A	112 bu/A
Bu. Wt.	46 lb/bu	45 lb/bu	42 lb/bu	46 lb/bu	42 lb/bu
Crop-93	Corn	NR Soybean	WR Soybean	D.S. Alfalfa	Oats/Alfalfa

Appendix IV.B. Arlington Research Station WICST Input/Output Data - 1992
Soybean and Wheat Treatments

Crop-92	NR Soybean	WR Soybean\Wheat	Wheat/Red Clover
Prev. Crop	Corn	Filler Corn	Soybean
Rotation	R2	R3	R3
Treatment	3	4	6
Plot #'s	101,214,303,401	104,201,301,402	102,212,313,407
Primary	Chisel Plow Fall 1991	Chisel Plow Fall 1991	None
Secondary Tillage	Digger 5/9/92 Soil Finisher 5/10/92	Digger 5/9/92 Soil Finisher 5/10/92	None
Planting Date	5/14/92	5/14/92 SB 9/18/92 Wh	9/12/91 Wheat 3/11/92 Rd Clov 4/29/92 Spr. Wheat
Variety	Pioneer 9272 Ozzy 6/15/92 [1]	Pioneer 9272 Caldwell wheat	Arlington RC Marshall Spr. Wheat
Planting Rate	90 lb/A	60 lb/A SB 180 lb/A wheat	12 lb Rd Clover 115 lb Marshall Wheat
Fertilizer	None	None	None
Pesticides	Treflan 1.5 pt/A Lexone DF .5 lb/A 5/12/92 ppi [2]	None	None
Rotary Hoe	None	#1 5/20/92 #2 5/28/92 #3 6/3/92	None
Cult.	None	S-tine 6/17, 6/30/92	
Harvest	10/26/92	10/26/92	8/20/92 wheat 8/24/92 straw
Fall Practices	None	aerial seeding wheat 9/18/92	None
Yield	30 bu/A [2]	38 bu/A	45 bu/A wheat 0.33 Ton/A straw 2.7 T DM/A red clover
Crop-93	Corn	Wheat/ Red Clover	Corn

[1] Planted skips in plot # 101
[2] Should have received post herbicide treatment for grasses and broadleaves

Appendix IV.C. Arlington Research Station WICST Input/Output Data - 1992

Forage Treatments

Crop-92	D. Seeded Alfalfa	Estab. Alfalfa I	Estab. Alfalfa II	Oats/ Alfalfa	Estab. Alfalfa I	Pasture
Prev. Crop	Filler Corn	D.S. Alf.	Alfalfa I	Filler Corn	Oats/Alf.	Pasture
Rotation	R4	R4	R4	R5	R5	R6
Treatment	9	8	7	13	12	14
Plot #'s	105,203,308,406	113,210,311,414	111,209,305,409	114,211,312,403	103,213,314,410	112,207,302,405
Primary Tillage	Chisel Plow Fall 1991			Chisel Plow Fall 1991		Harrow 4/7/92
Secondary Tillage	Disk Soil Finisher 4/7/92	1/	1/	Disk Soil Finisher 4/7/92	2/	Brillion Seeder
Planting Date	4/7/92	4/8/91 4/28/92 A.R.G. 7/31/92 Alfalfa	4/23/90 4/28/92 A.R.G. 5/5/92 Rd Clov	4/7/92	4/8/91	4/23/90 4/30/92 7/31/92
Variety	Magnum III	Magnum III Annual Rye Grass Olds 98 Alfalfa	Magnum III Annual Rye Grass Arlington Rd Clov	Horicon-oats Magnum III-alf.	Magnum III	Timothy-Toro Brome-Badger RC-Marathon
Planting Rate	15 lb/A	10 lb/A A.R.G. 12 lb/A Olds 98	10 lb/A A.R.G 10 lb/A Rd Clov	15 lb/A alfalfa 64 lb/A oats		6 lb/A Orch Gr 12 lb/A Brome 6 lb/A Timothy Pltd 4/30/92 4.5 lb/A Orch Gr Pltd 7/31/92
Fertilizer		None	None		None	
Manure	20 ton/A Fall 1991			15 ton/A Fall 1991		
Pesticides	Eptam 2 qt/A	None	1 pt/A Banvel 1 pt/A 2,4-D 1 pt/A Round-up 9/30/92	None	None	None
Harvest	6/26/92 haylage 7/31/92 haylage 9/4/92 haylage	6/4/92 haylage 7/22/92 haylage 8/24/92 haylage	6/4/92 haylage 7/22/92 haylage 8/24/92 haylage	6/22/92 Oatlage 7/31/92 haylage	6/4/92 haylage 7/22/92 haylage 8/24/92 haylage	6/10/92 Haylage 7/28/92 Haylage
Fall Practices			20 T/A manure 11/30/92 Chisel Plow 11/30/92		15 T/A manure 11/30/92 Chisel Plow 11/30/92	10 ton/A 10/4/92
Yield	3.6 T DM\A	3.5 T DM\A	4.0 T DM\A	1.4 T DM\A Oatlg 1.2 T DM\A Haylg	5.2 T DM\A	2.8 T DM\A
Crop-93	Alfalfa I	Alfalfa II	Corn	Alfalfa I	Corn	Pasture

1/ Reseeding due to winterkill with no-till drill

2/ Plots 103 and 213 disked by mistake on 4/7/92 and no-till interseeded with 10 lb/A Arlington Red Clover.