West, T.O., and W.M. Post. 2002. Soil Organic Carbon Sequestration by Tillage and Crop Rotation: A Global Data Analysis (http://cdiac.ornl.gov/programs/CSEQ/terrestrial/westpost2002/westpost2002.html). Carbon Dioxide Information Analysis Center, U.S. Department of Energy, Oak Ridge National Laboratory, Oak Ridge, Tennessee, U.S.A.

Full data base of agricultural experiments used in this study.

Site ID	[1] Tillage	[2] Crop	[3] Fertilizer (kg/ha/yr)	Sample year	Sampling Depth (cm)	Depth increment (cm)	[4] SOC (%)	[4] SOC (g/m^2)
KY01	n/a	sod	n/a	1975	0-5	5	2.70	
KY01	n/a	sod	n/a	1975	5-15	10	1.39	
KY01	n/a	sod	n/a	1975	15-30	15	0.79	
KY01	n/a	sod	n/a	1980	0-5	5	3.81	
KY01	n/a	sod	n/a	1980	5-15	10	1.73	
KY01	n/a	sod	n/a	1980	15-30	15	0.90	
KY01	n/a	sod	n/a	1989	0-5	5	3.11	
KY01	n/a	sod	n/a	1989	5-15	10	1.41	
KY01	n/a	sod	n/a	1989	15-30	15	1.11	
KY01	CT	corn	0	1975	0-5	5	1.33	
KY01	CT	corn	0	1975	5-15	10	1.24	
KY01	CT	corn	0	1975	15-30	15	0.68	
KY01	CT	corn	0	1980	0-5	5	1.25	
KY01	CT	corn	0	1980	5-15	10	1.38	
KY01	CT	corn	0	1980	15-30	15	0.78	
KY01	CT	corn	0	1989	0-5	5	1.31	
KY01	CT	corn	0	1989	5-15	10	1.55	
KY01	CT	corn	0	1989	15-30	15	0.95	
KY01	CT	corn	84	1975	0-5	5	1.46	
KY01	CT	corn	84	1975	5-15	10	1.40	
KY01	CT	corn	84	1975	15-30	15	0.91	
KY01	CT	corn	84	1980	0-5	5	1.40	
KY01	CT	corn	84	1980	5-15	10	1.34	
KY01	CT	corn	84	1980	15-30	15	1.01	
KY01	CT	corn	84	1989	0-5	5	1.48	
KY01	CT	corn	84	1989	5-15	10	1.59	
KY01	CT	corn	84	1989	15-30	15	1.21	
KY01	CT	corn	168	1975	0-5	5	1.57	
KY01	CT	corn	168	1975	5-15	10	1.44	

KY01	CT	corn	168	1975	15-30	15	0.85
KY01	CT	corn	168	1980	0-5	5	1.39
KY01	CT	corn	168	1980	5-15	10	1.34
KY01	CT	corn	168	1980	15-30	15	0.70
KY01	CT	corn	168	1989	0-5	5	1.54
KY01	CT	corn	168	1989	5-15	10	1.72
KY01	CT	corn	168	1989	15-30	15	1.12
KY01	CT	corn	336	1975	0-5	5	1.57
KY01	CT	corn	336	1975	5-15	10	1.40
KY01	CT	corn	336	1975	15-30	15	0.79
KY01	CT	corn	336	1980	0-5	5	1.46
KY01	CT	corn	336	1980	5-15	10	1.49
KY01	CT	corn	336	1980	15-30	15	0.94
KY01	CT	corn	336	1989	0-5	5	1.73
KY01	CT	corn	336	1989	5-15	10	1.82
KY01	CT	corn	336	1989	15-30	15	1.23
KY01	NT	corn	0	1975	0-5	5	2.13
KY01	NT	corn	0	1975	5-15	10	1.26
KY01	NT	corn	0	1975	15-30	15	0.79
KY01	NT	corn	0	1980	0-5	5	2.15
KY01	NT	corn	0	1980	5-15	10	1.09
KY01	NT	corn	0	1980	15-30	15	0.57
KY01	NT	corn	0	1989	0-5	5	2.50
KY01	NT	corn	0	1989	5-15	10	1.55
KY01	NT	corn	0	1989	15-30	15	0.89
KY01	NT	corn	84	1975	0-5	5	2.30
KY01	NT	corn	84	1975	5-15	10	1.29
KY01	NT	corn	84	1975	15-30	15	0.79
KY01	NT	corn	84	1980	0-5	5	2.95
KY01	NT	corn	84	1980	5-15	10	1.28
KY01	NT	corn	84	1980	15-30	15	0.94
KY01	NT	corn	84	1989	0-5	5	2.65
KY01	NT	corn	84	1989	5-15	10	1.69
KY01	NT	corn	84	1989	15-30	15	0.90
KY01	NT	corn	168	1975	0-5	5	2.38
KY01	NT	corn	168	1975	5-15	10	1.22

KY01	NT	corn	168	1975	15-30	15	0.72
KY01	NT	corn	168	1980	0-5	5	2.80
KY01	NT	corn	168	1980	5-15	10	1.36
KY01	NT	corn	168	1980	15-30	15	0.66
KY01	NT	corn	168	1989	0-5	5	2.89
KY01	NT	corn	168	1989	5-15	10	1.66
KY01	NT	corn	168	1989	15-30	15	0.87
KY01	NT	corn	336	1975	0-5	5	2.62
KY01	NT	corn	336	1975	5-15	10	1.34
KY01	NT	corn	336	1975	15-30	15	0.84
KY01	NT	corn	336	1980	0-5	5	2.93
KY01	NT	corn	336	1980	5-15	10	1.15
KY01	NT	corn	336	1980	15-30	15	0.90
KY01	NT	corn	336	1989	0-5	5	3.25
KY01	NT	corn	336	1989	5-15	10	1.74
KY01	NT	corn	336	1989	15-30	15	1.07
AL01	CT	Initial	n/a	1980	0-15	15	1.00
AL01	CT	Initial	n/a	1980	15-30	15	0.81
AL01	CT	Initial	n/a	1980	30-45	15	0.53
AL01	CT	Initial	n/a	1980	45-60	15	0.33
AL01	CT	soybean	n/a	1990	0-5	5	0.98
AL01	CT	soybean	n/a	1990	5-10	5	0.97
AL01	CT	soybean	n/a	1990	10-20	10	1.00
AL01	CT	soybean	n/a	1990	20-30	10	
AL01	CT	soybean	n/a	1990	30-45	15	
AL01	NT	soybean	n/a	1990	0-5	5	1.60
AL01	NT	soybean	n/a	1990	5-10	5	1.51
AL01	NT	soybean	n/a	1990	10-20	10	1.00
AL01	NT	soybean	n/a	1990	20-30	10	
AL01	NT	soybean	n/a	1990	30-45	15	
AL01	CT	corn	n/a	1990	0-5	5	1.07
AL01	CT	corn	n/a	1990	5-10	5	1.07
AL01	CT	corn	n/a	1990	10-20	10	1.00
AL01	CT	corn	n/a	1990	20-30	10	
AL01	CT	corn	n/a	1990	30-45	15	
AL01	NT	corn	n/a	1990	0-5	5	2.06

AL01	NT	corn	n/a	1990	5-10	5	1.82
AL01	NT	corn	n/a	1990	10-20	10	1.09
AL01	NT	corn	n/a	1990	20-30	10	
AL01	NT	corn	n/a	1990	30-45	15	
AL01	CT	corn, soybean	n/a	1990	0-5	5	1.02
AL01	CT	corn, soybean	n/a	1990	5-10	5	1.00
AL01	CT	corn, soybean	n/a	1990	10-20	10	0.89
AL01	CT	corn, soybean	n/a	1990	20-30	10	
AL01	CT	corn, soybean	n/a	1990	30-45	15	
AL01	NT	corn, soybean	n/a	1990	0-5	5	1.84
AL01	NT	corn, soybean	n/a	1990	5-10	5	1.60
AL01	NT	corn, soybean	n/a	1990	10-20	10	0.88
AL01	NT	corn, soybean	n/a	1990	20-30	10	
AL01	NT	corn, soybean	n/a	1990	30-45	15	
AL02	CT	cotton	no legume	1988	0-10	10	0.56
AL02	CT	cotton	no legume	1992	0-10	10	0.50
AL02	CT	cotton	no legume	1994	0-10	10	0.35
AL02	CT	cotton	no legume	1997	0-10	10	0.50
AL02	CT	cotton	legume	1988	0-10	10	1.22
AL02	CT	cotton	legume	1992	0-10	10	0.88
AL02	CT	cotton	legume	1994	0-10	10	1.04
AL02	CT	cotton	legume	1997	0-10	10	0.84
AL02	CT	cotton-corn	legume	1988	0-10	10	1.09
AL02	CT	cotton-corn	legume	1992	0-10	10	1.06
AL02	CT	cotton-corn	legume	1994	0-10	10	1.00
AL02	CT	cotton-corn	legume	1997	0-10	10	0.85
AL02	CT	cotton-corn-soybean/rye	legume	1988	0-10	10	1.49
AL02	CT	cotton-corn-soybean/rye	legume	1992	0-10	10	1.37
AL02	CT	cotton-corn-soybean/rye	legume	1994	0-10	10	1.10
AL02	CT	cotton-corn-soybean/rye	legume	1997	0-10	10	1.27
Bri01	CT	barley	n/a	1988	0-7.5	7.5	2.80
Bri01	NT	barley	n/a	1988	0-7.5	7.5	3.53
Alb01	CT	canola, wheat, barley, fallow	n/a	1995	0-5	5	4.78
Alb01	CT	canola, wheat, barley, fallow	n/a	1995	5-12.5	7.5	4.03
Alb01	CT	canola, wheat, barley, fallow	n/a	1995	12.5-20	7.5	2.76
Alb01	RT	canola, wheat, barley, fallow	n/a	1995	0-5	5	4.78

Alb01	RT	canola, wheat, barley, fallow	n/a	1995	5-12.5	7.5	4.03
Alb01	RT	canola, wheat, barley, fallow	n/a	1995	12.5-20	7.5	2.76
Alb01	NT	canola, wheat, barley, fallow	n/a	1995	0-5	5	4.78
Alb01	NT	canola, wheat, barley, fallow	n/a	1995	5-12.5	7.5	4.03
Alb01	NT	canola, wheat, barley, fallow	n/a	1995	12.5-20	7.5	2.76
GA01	CT	rye	n/a	1979	0-10	10	2.41
GA01	NT	rye	n/a	1979	0-10	10	2.34
GA01	CT	rye	n/a	1982	0-5	5	1.54
GA01	CT	rye	n/a	1982	5-13	8	1.45
GA01	CT	rye	n/a	1982	13-21	8	0.73
GA01	NT	rye	n/a	1982	0-5	5	2.77
GA01	NT	rye	n/a	1982	5-13	8	0.90
GA01	NT	rye	n/a	1982	13-21	8	0.49
GA01	CT	rye	n/a	1984	0-5	5	1.12
GA01	CT	rye	n/a	1984	5-13	8	1.06
GA01	CT	rye	n/a	1984	13-21	8	0.59
GA01	NT	rye	n/a	1984	0-5	5	2.00
GA01	NT	rye	n/a	1984	5-13	8	0.76
GA01	NT	rye	n/a	1984	13-21	8	0.55
GA01	CT	rye	n/a	1985	0-5	5	1.23
GA01	CT	rye	n/a	1985	5-13	8	0.99
GA01	CT	rye	n/a	1985	13-21	8	0.58
GA01	NT	rye	n/a	1985	0-5	5	2.02
GA01	NT	rye	n/a	1985	5-13	8	0.84
GA01	NT	rye	n/a	1985	13-21	8	0.53
GA01	CT	rye	n/a	1986	0-5	5	1.27
GA01	CT	rye	n/a	1986	5-13	8	1.14
GA01	CT	rye	n/a	1986	13-21	8	0.78
GA01	NT	rye	n/a	1986	0-5	5	1.95
GA01	NT	rye	n/a	1986	5-13	8	0.91
GA01	NT	rye	n/a	1986	13-21	8	0.46
GA01	CT	rye	n/a	1988	0-5	5	1.26
GA01	CT	rye	n/a	1988	5-13	8	1.08
GA01	CT	rye	n/a	1988	13-21	8	0.47
GA01	NT	rye	n/a	1988	0-5	5	1.88
GA01	NT	rye	n/a	1988	5-13	8	0.83

GA01	NT	rye	n/a	1988	13-21	8	0.43
GA01	CT	rye	n/a	1990	0-5	5	1.17
GA01	CT	rye	n/a	1990	5-13	8	0.97
GA01	CT	rye	n/a	1990	13-21	8	0.62
GA01	NT	rye	n/a	1990	0-5	5	2.26
GA01	NT	rye	n/a	1990	5-13	8	0.83
GA01	NT	rye	n/a	1990	13-21	8	0.45
NE01a	n/a	sod	n/a	1970	0-20	20	1.75
NE01a	n/a	sod	n/a	1972	0-20	20	
NE01a	n/a	sod	n/a	1976	0-20	20	
NE01a	n/a	sod	n/a	1978	0-20	20	
NE01a	n/a	sod	n/a	1981	0-20	20	1.70
NE01a	n/a	sod	n/a	1982	0-20	20	1.77
NE01a	n/a	sod	n/a	1983	0-20	20	1.64
NE01a	n/a	sod	n/a	1986	0-20	20	1.90
NE01a	n/a	sod	n/a	1990	0-20	20	1.80
NE01a	NT	wheat-fallow	n/a	1970	0-20	20	1.78
NE01a	NT	wheat-fallow	n/a	1972	0-20	20	
NE01a	NT	wheat-fallow	n/a	1976	0-20	20	
NE01a	NT	wheat-fallow	n/a	1978	0-20	20	1.53
NE01a	NT	wheat-fallow	n/a	1981	0-20	20	1.64
NE01a	NT	wheat-fallow	n/a	1982	0-20	20	1.60
NE01a	NT	wheat-fallow	n/a	1983	0-20	20	1.57
NE01a	NT	wheat-fallow	n/a	1986	0-20	20	1.74
NE01a	NT	wheat-fallow	n/a	1990	0-20	20	1.61
NE01a	RT	wheat-fallow	n/a	1970	0-20	10	1.69
NE01a	RT	wheat-fallow	n/a	1972	0-20	20	
NE01a	RT	wheat-fallow	n/a	1976	0-20	20	
NE01a	RT	wheat-fallow	n/a	1978	0-20	20	
NE01a	RT	wheat-fallow	n/a	1981	0-20	20	1.50
NE01a	RT	wheat-fallow	n/a	1982	0-20	20	1.47
NE01a	RT	wheat-fallow	n/a	1983	0-20	20	
NE01a	RT	wheat-fallow	n/a	1986	0-20	20	1.53
NE01a	RT	wheat-fallow	n/a	1990	0-20	20	1.43
NE01a	CT	wheat-fallow	n/a	1970	0-20	20	1.63
NE01a	CT	wheat-fallow	n/a	1972	0-20	20	

NE01a	CT	wheat-fallow	n/a	1976	0-20	20	
NE01a	CT	wheat-fallow	n/a	1978	0-20	20	1.28
NE01a	CT	wheat-fallow	n/a	1981	0-20	20	1.31
NE01a	CT	wheat-fallow	n/a	1982	0-20	20	1.30
NE01a	CT	wheat-fallow	n/a	1983	0-20	20	1.37
NE01a	CT	wheat-fallow	n/a	1986	0-20	20	1.48
NE01a	CT	wheat-fallow	n/a	1990	0-20	20	1.20
NE01b	n/a	sod	n/a	1980	0-20	20	1.55
NE01b	n/a	sod	n/a	1981	0-20	20	1.46
NE01b	n/a	sod	n/a	1991	0-20	20	1.59
NE01b	NT	wheat-fallow	n/a	1980	0-20	20	1.46
NE01b	NT	wheat-fallow	n/a	1981	0-20	20	1.43
NE01b	NT	wheat-fallow	n/a	1991	0-20	20	1.54
NE01b	RT	wheat-fallow	n/a	1980	0-20	20	1.37
NE01b	RT	wheat-fallow	n/a	1981	0-20	20	1.15
NE01b	RT	wheat-fallow	n/a	1991	0-20	20	1.20
NE01b	CT	wheat-fallow	n/a	1980	0-20	20	1.29
NE01b	CT	wheat-fallow	n/a	1981	0-20	20	0.95
NE01b	CT	wheat-fallow	n/a	1991	0-20	20	1.12
SC01	RT	corn	n/a	1979	0-5	5	0.63
SC01	RT	corn	n/a	1979	5-10	5	0.52
SC01	RT	corn	n/a	1979	10-15	5	0.39
SC01	NT	corn	n/a	1979	0-5	5	0.53
SC01	NT	corn	n/a	1979	5-10	5	0.46
SC01	NT	corn	n/a	1979	10-15	5	0.45
SC01	RT	corn	n/a	1980	0-2.5	2.5	0.64
SC01	RT	corn	n/a	1980	2.5-5.0	2.5	0.58
SC01	RT	corn	n/a	1980	5.0-7.5	2.5	0.64
SC01	RT	corn	n/a	1980	7.5-10.0	2.5	0.52
SC01	RT	corn	n/a	1980	10.0-12.5	2.5	0.47
SC01	RT	corn	n/a	1980	12.5-15.0	2.5	0.47
SC01	NT	corn	n/a	1980	0-2.5	2.5	0.81
SC01	NT	corn	n/a	1980	2.5-5.0	2.5	0.70
SC01	NT	corn	n/a	1980	5.0-7.5	2.5	0.76
SC01	NT	corn	n/a	1980	7.5-10.0	2.5	0.81
SC01	NT	corn	n/a	1980	10.0-12.5	2.5	0.70

SC01	NT	corn	n/a	1980	12.5-15.0	2.5	0.60
SC01	RT	corn	n/a	1981	0-2.5	2.5	0.98
SC01	RT	corn	n/a	1981	2.5-5.0	2.5	0.93
SC01	RT	corn	n/a	1981	5.0-7.5	2.5	0.70
SC01	RT	corn	n/a	1981	7.5-10.0	2.5	0.70
SC01	RT	corn	n/a	1981	10.0-12.5	2.5	0.64
SC01	RT	corn	n/a	1981	12.5-15.0	2.5	0.60
SC01	NT	corn	n/a	1981	0-2.5	2.5	1.10
SC01	NT	corn	n/a	1981	2.5-5.0	2.5	0.98
SC01	NT	corn	n/a	1981	5.0-7.5	2.5	0.76
SC01	NT	corn	n/a	1981	7.5-10.0	2.5	0.76
SC01	NT	corn	n/a	1981	10.0-12.5	2.5	0.70
SC01	NT	corn	n/a	1981	12.5-15.0	2.5	0.60
SC01	RT	corn	n/a	1982	0-2.5	2.5	0.98
SC01	RT	corn	n/a	1982	2.5-5.0	2.5	0.81
SC01	RT	corn	n/a	1982	5.0-7.5	2.5	0.76
SC01	RT	corn	n/a	1982	7.5-10.0	2.5	0.70
SC01	RT	corn	n/a	1982	10.0-12.5	2.5	0.52
SC01	RT	corn	n/a	1982	12.5-15.0	2.5	0.47
SC01	NT	corn	n/a	1982	0-2.5	2.5	1.05
SC01	NT	corn	n/a	1982	2.5-5.0	2.5	0.81
SC01	NT	corn	n/a	1982	5.0-7.5	2.5	0.76
SC01	NT	corn	n/a	1982	7.5-10.0	2.5	0.70
SC01	NT	corn	n/a	1982	10.0-12.5	2.5	0.64
SC01	NT	corn	n/a	1982	12.5-15.0	2.5	0.52
SC01	RT	corn	n/a	1986	0-2.5	2.5	1.34
SC01	RT	corn	n/a	1986	2.5-5.0	2.5	1.28
SC01	RT	corn	n/a	1986	5.0-7.5	2.5	1.22
SC01	RT	corn	n/a	1986	7.5-10.0	2.5	1.22
SC01	RT	corn	n/a	1986	10.0-12.5	2.5	1.10
SC01	RT	corn	n/a	1986	12.5-15.0	2.5	0.98
SC01	NT	corn	n/a	1986	0-2.5	2.5	2.20
SC01	NT	corn	n/a	1986	2.5-5.0	2.5	1.74
SC01	NT	corn	n/a	1986	5.0-7.5	2.5	1.45
SC01	NT	corn	n/a	1986	7.5-10.0	2.5	1.28
SC01	NT	corn	n/a	1986	10.0-12.5	2.5	1.22

SC01	NT	corn	n/a	1986	12.5-15.0	2.5	1.16
SC01	RT	corn	n/a	1988-93	0-5	5	0.72
SC01	RT	corn	n/a	1988-93	5-10	5	0.56
SC01	RT	corn	n/a	1988-93	10-15	5	0.45
SC01	NT	corn	n/a	1988-93	0-5	5	1.20
SC01	NT	corn	n/a	1988-93	5-10	5	0.63
SC01	NT	corn	n/a	1988-93	10-15	5	0.48
KA01	CT	soybean	n/a	1986	0-2.5	2.5	1.14
KA01	CT	soybean	n/a	1986	2.5-7.5	5	1.13
KA01	CT	soybean	n/a	1986	7.5-15	7.5	1.10
KA01	CT	soybean	n/a	1986	15-30	15	0.96
KA01	NT	soybean	n/a	1986	0-2.5	2.5	1.43
KA01	NT	soybean	n/a	1986	2.5-7.5	5	1.13
KA01	NT	soybean	n/a	1986	7.5-15	7.5	1.10
KA01	NT	soybean	n/a	1986	15-30	15	1.00
KA01	CT	sorghum-soybean	n/a	1986	0-2.5	2.5	1.25
KA01	CT	sorghum-soybean	n/a	1986	2.5-7.5	5	1.23
KA01	CT	sorghum-soybean	n/a	1986	7.5-15	7.5	1.16
KA01	CT	sorghum-soybean	n/a	1986	15-30	15	1.04
KA01	NT	sorghum-soybean	n/a	1986	0-2.5	2.5	1.86
KA01	NT	sorghum-soybean	n/a	1986	2.5-7.5	5	1.30
KA01	NT	sorghum-soybean	n/a	1986	7.5-15	7.5	1.19
KA01	NT	sorghum-soybean	n/a	1986	15-30	15	1.03
KA01	CT	sorghum	n/a	1986	0-2.5	2.5	1.41
KA01	CT	sorghum	n/a	1986	2.5-7.5	5	1.36
KA01	CT	sorghum	n/a	1986	7.5-15	7.5	1.26
KA01	CT	sorghum	n/a	1986	15-30	15	1.10
KA01	NT	sorghum	n/a	1986	0-2.5	2.5	1.98
KA01	NT	sorghum	n/a	1986	2.5-7.5	5	1.25
KA01	NT	sorghum	n/a	1986	7.5-15	7.5	1.16
KA01	NT	sorghum	n/a	1986	15-30	15	1.06
KA02	CT	soybean	n/a	1986	0-2.5	2.5	2.17
KA02	CT	soybean	n/a	1986	2.5-7.5	5	2.09
KA02	CT	soybean	n/a	1986	7.5-15	7.5	2.02
KA02	CT	soybean	n/a	1986	15-30	15	1.80
KA02	NT	soybean	n/a	1986	0-2.5	2.5	2.13

KA02	NT	soybean	n/a	1986	2.5-7.5	5	1.98
KA02	NT	soybean	n/a	1986	7.5-15	7.5	2.00
KA02	NT	soybean	n/a	1986	15-30	15	1.70
KA02	CT	sorghum-soybean	n/a	1986	0-2.5	2.5	2.19
KA02	CT	sorghum-soybean	n/a	1986	2.5-7.5	5	1.94
KA02	CT	sorghum-soybean	n/a	1986	7.5-15	7.5	1.83
KA02	CT	sorghum-soybean	n/a	1986	15-30	15	1.53
KA02	NT	sorghum-soybean	n/a	1986	0-2.5	2.5	2.28
KA02	NT	sorghum-soybean	n/a	1986	2.5-7.5	5	1.98
KA02	NT	sorghum-soybean	n/a	1986	7.5-15	7.5	1.87
KA02	NT	sorghum-soybean	n/a	1986	15-30	15	1.57
KA02	CT	sorghum	n/a	1986	0-2.5	2.5	2.35
KA02	CT	sorghum	n/a	1986	2.5-7.5	5	2.15
KA02	CT	sorghum	n/a	1986	7.5-15	7.5	2.07
KA02	CT	sorghum	n/a	1986	15-30	15	1.78
KA02	NT	sorghum	n/a	1986	0-2.5	2.5	2.67
KA02	NT	sorghum	n/a	1986	2.5-7.5	5	2.26
KA02	NT	sorghum	n/a	1986	7.5-15	7.5	2.08
KA02	NT	sorghum	n/a	1986	15-30	15	1.81
KA03	CT	soybean	0	1986	0-2.5	2.5	0.74
KA03	CT	soybean	0	1986	2.5-7.5	5	0.77
KA03	CT	soybean	0	1986	7.5-15	7.5	0.73
KA03	CT	soybean	0	1986	15-30	15	0.68
KA03	CT	soybean	252	1986	0-2.5	2.5	0.78
KA03	CT	soybean	252	1986	2.5-7.5	5	0.78
KA03	CT	soybean	252	1986	7.5-15	7.5	0.68
KA03	CT	soybean	252	1986	15-30	15	0.62
KA03	CT	corn-soybean	0	1986	0-2.5	2.5	0.77
KA03	CT	corn-soybean	0	1986	2.5-7.5	5	0.87
KA03	CT	corn-soybean	0	1986	7.5-15	7.5	0.74
KA03	CT	corn-soybean	0	1986	15-30	15	0.67
KA03	CT	corn-soybean	252	1986	0-2.5	2.5	0.81
KA03	CT	corn-soybean	252	1986	2.5-7.5	5	0.84
KA03	CT	corn-soybean	252	1986	7.5-15	7.5	0.75
KA03	CT	corn-soybean	252	1986	15-30	15	0.69
KA03	CT	corn	0	1986	0-2.5	2.5	0.86

KA03	CT	corn	0	1986	2.5-7.5	5	0.92
KA03	CT	corn	0	1986	7.5-15	7.5	0.85
KA03	CT	corn	0	1986	15-30	15	0.70
KA03	CT	corn	252	1986	0-2.5	2.5	0.95
KA03	CT	corn	252	1986	2.5-7.5	5	0.97
KA03	CT	corn	252	1986	7.5-15	7.5	0.82
KA03	CT	corn	252	1986	15-30	15	0.71
IL01	n/a	hay	n/a	Tall Fescue hay	0-15	15	1.40
IL01	NT	corn-soybean	n/a	1989	0-5	5	1.75
IL01	NT	corn-soybean	n/a	1989	5-15	10	1.18
IL01	NT	corn-soybean	n/a	1989	15-30	15	0.37
IL01	RT	corn-soybean	n/a	1989	0-5	5	1.53
IL01	RT	corn-soybean	n/a	1989	5-15	10	1.19
IL01	RT	corn-soybean	n/a	1989	15-30	15	0.45
IL01	CT	corn-soybean	n/a	1989	0-5	5	1.08
IL01	CT	corn-soybean	n/a	1989	5-15	10	1.23
IL01	CT	corn-soybean	n/a	1989	15-30	15	0.45
IL01	NT	corn-soybean	n/a	1990	0-5	5	1.80
IL01	NT	corn-soybean	n/a	1990	5-15	10	1.21
IL01	NT	corn-soybean	n/a	1990	15-30	15	0.43
IL01	RT	corn-soybean	n/a	1990	0-5	5	1.56
IL01	RT	corn-soybean	n/a	1990	5-15	10	0.94
IL01	RT	corn-soybean	n/a	1990	15-30	15	0.29
IL01	CT	corn-soybean	n/a	1990	0-5	5	1.15
IL01	CT	corn-soybean	n/a	1990	5-15	10	1.06
IL01	CT	corn-soybean	n/a	1990	15-30	15	0.24
IL01	NT	corn-soybean	n/a	1991	0-5	5	1.79
IL01	NT	corn-soybean	n/a	1991	5-15	10	1.15
IL01	NT	corn-soybean	n/a	1991	15-30	15	0.42
IL01	RT	corn-soybean	n/a	1991	0-5	5	1.54
IL01	RT	corn-soybean	n/a	1991	5-15	10	1.13
IL01	RT	corn-soybean	n/a	1991	15-30	15	0.34
IL01	CT	corn-soybean	n/a	1991	0-5	5	1.21
IL01	CT	corn-soybean	n/a	1991	5-15	10	1.14
IL01	CT	corn-soybean	n/a	1991	15-30	15	0.53
IL01	NT	corn-soybean	n/a	1992	0-5	5	1.65

IL01	NT	corn-soybean	n/a	1992	5-15	10	1.13
IL01	NT	corn-soybean	n/a	1992	15-30	15	0.47
IL01	RT	corn-soybean	n/a	1992	0-5	5	1.52
IL01	RT	corn-soybean	n/a	1992	5-15	10	1.26
IL01	RT	corn-soybean	n/a	1992	15-30	15	0.43
IL01	CT	corn-soybean	n/a	1992	0-5	5	1.28
IL01	CT	corn-soybean	n/a	1992	5-15	10	1.12
IL01	CT	corn-soybean	n/a	1992	15-30	15	0.46
IL01	NT	corn-soybean	n/a	1997	0-5	5	1.87
IL01	NT	corn-soybean	n/a	1996	5-15	10	1.13
IL01	NT	corn-soybean	n/a	1996	15-30	15	
IL01	RT	corn-soybean	n/a	1996	0-5	5	1.54
IL01	RT	corn-soybean	n/a	1996	5-15	10	1.11
IL01	RT	corn-soybean	n/a	1996	15-30	15	
IL01	CT	corn-soybean	n/a	1996	0-5	5	1.30
IL01	CT	corn-soybean	n/a	1996	5-15	10	1.09
IL01	CT	corn-soybean	n/a	1996	15-30	15	
IL02	CT	corn	0	1904	0-15	15	2.11
IL02	CT	corn	0	1913	0-15	15	2.03
IL02	CT	corn	0	1923	0-15	15	1.80
IL02	CT	corn	0	1933	0-15	15	1.68
IL02	CT	corn	0	1943	0-15	15	1.56
IL02	CT	corn	0	1953	0-15	15	1.33
IL02	CT	corn	0	1961	0-15	15	1.49
IL02	CT	corn	0	1973	0-15	15	1.40
IL02	CT	corn	0	1983	0-15	15	1.38
IL02	CT	corn	0	1993	0-15	15	1.41
IL02	CT	corn	Man./Lime/P	1904	0-15	15	2.15
IL02	CT	corn	MLP	1913	0-15	15	2.63
IL02	CT	corn	MLP	1923	0-15	15	2.48
IL02	CT	corn	MLP	1933	0-15	15	2.43
IL02	CT	corn	MLP	1943	0-15	15	2.30
IL02	CT	corn	MLP	1953	0-15	15	2.06
IL02	CT	corn	MLP	1961	0-15	15	2.20
IL02	CT	corn	MLP	1973	0-15	15	2.01
IL02	CT	corn	MLP	1983	0-15	15	1.88

IL02	CT	corn	MLP	1993	0-15	15	1.91
IL02	CT	corn-oat-soybean	0	1904	0-15	15	2.39
IL02	CT	corn-oat-soybean	0	1913	0-15	15	2.13
IL02	CT	corn-oat-soybean	0	1923	0-15	15	2.08
IL02	CT	corn-oat-soybean	0	1933	0-15	15	2.01
IL02	CT	corn-oat-soybean	0	1943	0-15	15	2.02
IL02	CT	corn-oat-soybean	0	1953	0-15	15	1.86
IL02	CT	corn-oat-soybean	0	1961	0-15	15	1.85
IL02	CT	corn-oat-soybean	0	1973	0-15	15	1.81
IL02	CT	corn-oat-soybean	0	1983	0-15	15	1.70
IL02	CT	corn-oat-soybean	0	1993	0-15	15	1.78
IL02	CT	corn-oat-soybean	MLP	1904	0-15	15	2.97
IL02	CT	corn-oat-soybean	MLP	1913	0-15	15	2.98
IL02	CT	corn-oat-soybean	MLP	1923	0-15	15	3.01
IL02	CT	corn-oat-soybean	MLP	1933	0-15	15	3.06
IL02	CT	corn-oat-soybean	MLP	1943	0-15	15	2.99
IL02	CT	corn-oat-soybean	MLP	1953	0-15	15	2.83
IL02	CT	corn-oat-soybean	MLP	1961	0-15	15	2.82
IL02	CT	corn-oat-soybean	MLP	1973	0-15	15	2.61
IL02	CT	corn-oat-soybean	MLP	1983	0-15	15	2.41
IL02	CT	corn-oat-soybean	MLP	1993	0-15	15	2.18
IL02	CT	corn-oat-hay	0	1904	0-15	15	2.33
IL02	CT	corn-oat-hay	0	1913	0-15	15	2.14
IL02	CT	corn-oat-hay	0	1923	0-15	15	2.19
IL02	CT	corn-oat-hay	0	1933	0-15	15	2.06
IL02	CT	corn-oat-hay	0	1943	0-15	15	2.11
IL02	CT	corn-oat-hay	0	1953	0-15	15	1.93
IL02	CT	corn-oat-hay	0	1961	0-15	15	1.91
IL02	CT	corn-oat-hay	0	1973	0-15	15	1.85
IL02	CT	corn-oat-hay	0	1983	0-15	15	1.90
IL02	CT	corn-oat-hay	0	1993	0-15	15	2.05
IL02	CT	corn-oat-hay	MLP	1904	0-15	15	3.29
IL02	CT	corn-oat-hay	MLP	1913	0-15	15	3.29
IL02	CT	corn-oat-hay	MLP	1923	0-15	15	3.13
IL02	CT	corn-oat-hay	MLP	1933	0-15	15	3.35
IL02	CT	corn-oat-hay	MLP	1943	0-15	15	3.36

IL02	CT	corn-oat-hay	MLP	1953	0-15	15	3.07
IL02	CT	corn-oat-hay	MLP	1961	0-15	15	3.05
IL02	CT	corn-oat-hay	MLP	1973	0-15	15	3.01
IL02	CT	corn-oat-hay	MLP	1983	0-15	15	3.02
IL02	CT	corn-oat-hay	MLP	1993	0-15	15	2.90
OH01	initial	initial	n/a	1962	0-22.5	22.5	1.40
OH01	NT	corn	n/a	1971	0-5	5	2.16
OH01	NT	corn	n/a	1971	5-10	5	1.55
OH01	NT	corn	n/a	1971	10-15	5	1.38
OH01	NT	corn	n/a	1971	15-20	5	1.21
OH01	NT	corn	n/a	1971	20-25	5	0.61
OH01	NT	corn	n/a	1971	25-30	5	0.42
OH01	RT	corn	n/a	1971	0-5	5	1.36
OH01	RT	corn	n/a	1971	5-10	5	1.37
OH01	RT	corn	n/a	1971	10-15	5	1.35
OH01	RT	corn	n/a	1971	15-20	5	1.22
OH01	RT	corn	n/a	1971	20-25	5	0.66
OH01	RT	corn	n/a	1971	25-30	5	0.42
OH01	CT	corn	n/a	1971	0-5	5	1.28
OH01	CT	corn	n/a	1971	5-10	5	1.48
OH01	CT	corn	n/a	1971	10-15	5	1.51
OH01	CT	corn	n/a	1971	15-20	5	1.28
OH01	CT	corn	n/a	1971	20-25	5	0.68
OH01	CT	corn	n/a	1971	25-30	5	0.41
OH01	NT	corn-soybean	n/a	1971	0-5	5	1.84
OH01	NT	corn-soybean	n/a	1971	5-10	5	1.55
OH01	NT	corn-soybean	n/a	1971	10-15	5	1.42
OH01	NT	corn-soybean	n/a	1971	15-20	5	1.01
OH01	NT	corn-soybean	n/a	1971	20-25	5	0.50
OH01	NT	corn-soybean	n/a	1971	25-30	5	0.44
OH01	RT	corn-soybean	n/a	1971	0-5	5	1.25
OH01	RT	corn-soybean	n/a	1971	5-10	5	1.25
OH01	RT	corn-soybean	n/a	1971	10-15	5	1.24
OH01	RT	corn-soybean	n/a	1971	15-20	5	1.13
OH01	RT	corn-soybean	n/a	1971	20-25	5	0.71
OH01	RT	corn-soybean	n/a	1971	25-30	5	0.40

OH01	CT	corn-soybean	n/a	1971	0-5	5	1.25
OH01	CT	corn-soybean	n/a	1971	5-10	5	1.28
OH01	CT	corn-soybean	n/a	1971	10-15	5	1.28
OH01	CT	corn-soybean	n/a	1971	15-20	5	0.99
OH01	CT	corn-soybean	n/a	1971	20-25	5	0.58
OH01	CT	corn-soybean	n/a	1971	25-30	5	0.36
OH01	NT	corn-oat-grass	n/a	1971	0-5	5	2.30
OH01	NT	corn-oat-grass	n/a	1971	5-10	5	1.68
OH01	NT	corn-oat-grass	n/a	1971	10-15	5	1.44
OH01	NT	corn-oat-grass	n/a	1971	15-20	5	1.26
OH01	NT	corn-oat-grass	n/a	1971	20-25	5	0.63
OH01	NT	corn-oat-grass	n/a	1971	25-30	5	0.04
OH01	RT	corn-oat-grass	n/a	1971	0-5	5	1.69
OH01	RT	corn-oat-grass	n/a	1971	5-10	5	1.67
OH01	RT	corn-oat-grass	n/a	1971	10-15	5	1.60
OH01	RT	corn-oat-grass	n/a	1971	15-20	5	1.42
OH01	RT	corn-oat-grass	n/a	1971	20-25	5	0.70
OH01	RT	corn-oat-grass	n/a	1971	25-30	5	0.42
OH01	CT	corn-oat-grass	n/a	1971	0-5	5	1.66
OH01	CT	corn-oat-grass	n/a	1971	5-10	5	1.66
OH01	CT	corn-oat-grass	n/a	1971	10-15	5	1.60
OH01	CT	corn-oat-grass	n/a	1971	15-20	5	1.35
OH01	CT	corn-oat-grass	n/a	1971	20-25	5	0.70
OH01	CT	corn-oat-grass	n/a	1971	25-30	5	0.44
OH01	NT	corn	n/a	1980	0-7.5	7.5	1.80
OH01	NT	corn	n/a	1980	7.5-15	7.5	1.13
OH01	NT	corn	n/a	1980	15-22.5	7.5	0.84
OH01	NT	corn	n/a	1980	22.5-30	7.5	0.42
OH01	RT	corn	n/a	1980	0-7.5	7.5	1.04
OH01	RT	corn	n/a	1980	7.5-15	7.5	1.04
OH01	RT	corn	n/a	1980	15-22.5	7.5	0.84
OH01	RT	corn	n/a	1980	22.5-30	7.5	0.45
OH01	CT	corn	n/a	1980	0-7.5	7.5	1.15
OH01	CT	corn	n/a	1980	7.5-15	7.5	1.16
OH01	CT	corn	n/a	1980	15-22.5	7.5	1.00
OH01	CT	corn	n/a	1980	22.5-30	7.5	0.38

OH01	NT	corn-soybean	n/a	1980	0-7.5	7.5	1.53
OH01	NT	corn-soybean	n/a	1980	7.5-15	7.5	1.08
OH01	NT	corn-soybean	n/a	1980	15-22.5	7.5	0.76
OH01	NT	corn-soybean	n/a	1980	22.5-30	7.5	0.30
OH01	RT	corn-soybean	n/a	1980	0-7.5	7.5	0.95
OH01	RT	corn-soybean	n/a	1980	7.5-15	7.5	0.92
OH01	RT	corn-soybean	n/a	1980	15-22.5	7.5	0.82
OH01	RT	corn-soybean	n/a	1980	22.5-30	7.5	0.32
OH01	CT	corn-soybean	n/a	1980	0-7.5	7.5	0.90
OH01	CT	corn-soybean	n/a	1980	7.5-15	7.5	0.92
OH01	CT	corn-soybean	n/a	1980	15-22.5	7.5	0.68
OH01	CT	corn-soybean	n/a	1980	22.5-30	7.5	0.33
OH01	NT	corn-oat-grass	n/a	1980	0-7.5	7.5	2.01
OH01	NT	corn-oat-grass	n/a	1980	7.5-15	7.5	1.10
OH01	NT	corn-oat-grass	n/a	1980	15-22.5	7.5	0.87
OH01	NT	corn-oat-grass	n/a	1980	22.5-30	7.5	0.37
OH01	RT	corn-oat-grass	n/a	1980	0-7.5	7.5	1.31
OH01	RT	corn-oat-grass	n/a	1980	7.5-15	7.5	1.34
OH01	RT	corn-oat-grass	n/a	1980	15-22.5	7.5	1.02
OH01	RT	corn-oat-grass	n/a	1980	22.5-30	7.5	0.39
OH01	CT	corn-oat-grass	n/a	1980	0-7.5	7.5	1.32
OH01	CT	corn-oat-grass	n/a	1980	7.5-15	7.5	1.37
OH01	CT	corn-oat-grass	n/a	1980	15-22.5	7.5	0.93
OH01	CT	corn-oat-grass	n/a	1980	22.5-30	7.5	0.39
OH01	NT	corn	n/a	1991	0-15	15	2.75
OH01	RT	corn	n/a	1991	0-15	15	1.34
OH01	CT	corn	n/a	1991	0-15	15	0.96
OH01	NT	corn-soybean	n/a	1991	0-15	15	1.50
OH01	RT	corn-soybean	n/a	1991	0-15	15	2.16
OH01	CT	corn-soybean	n/a	1991	0-15	15	1.14
OH01	NT	corn-oat-grass	n/a	1991	0-15	15	1.19
OH01	RT	corn-oat-grass	n/a	1991	0-15	15	0.66
OH01	CT	corn-oat-grass	n/a	1991	0-15	15	1.33
OH01	NT	corn	n/a	1993	0-20	20	1.55
OH01	NT	corn	n/a	1993	20-25	5	0.61
OH01	NT	corn	n/a	1993	25-50	25	0.40

OH01	NT	corn	n/a	1993	50-100	50	0.18
OH01	CT	corn	n/a	1993	0-20	20	1.10
OH01	CT	corn	n/a	1993	20-25	5	1.01
OH01	CT	corn	n/a	1993	25-50	25	0.35
OH01	CT	corn	n/a	1993	50-100	50	0.22
OH01	NT	corn-soybean	n/a	1993	0-20	20	1.62
OH01	NT	corn-soybean	n/a	1993	20-25	5	0.78
OH01	NT	corn-soybean	n/a	1993	25-50	25	0.45
OH01	NT	corn-soybean	n/a	1993	50-100	50	0.28
OH01	RT	corn-soybean	n/a	1993	0-20	20	1.29
OH01	RT	corn-soybean	n/a	1993	20-25	5	0.67
OH01	RT	corn-soybean	n/a	1993	25-50	25	0.36
OH01	RT	corn-soybean	n/a	1993	50-100	50	0.25
OH01	CT	corn-soybean	n/a	1993	0-20	20	1.12
OH01	CT	corn-soybean	n/a	1993	20-25	5	0.91
OH01	CT	corn-soybean	n/a	1993	25-50	25	0.40
OH01	CT	corn-soybean	n/a	1993	50-100	50	0.25
OH01	NT	corn-oat-grass	n/a	1993	0-20	20	1.60
OH01	NT	corn-oat-grass	n/a	1993	20-25	5	0.54
OH01	NT	corn-oat-grass	n/a	1993	25-50	25	0.25
OH01	NT	corn-oat-grass	n/a	1993	50-100	50	0.59
OH01	CT	corn-oat-grass	n/a	1993	0-20	20	1.06
OH01	CT	corn-oat-grass	n/a	1993	20-25	5	0.71
OH01	CT	corn-oat-grass	n/a	1993	25-50	25	0.23
OH01	CT	corn-oat-grass	n/a	1993	50-100	50	0.10
OH02	initial	initial	n/a	1963	0-22.5	22.5	2.30
OH02	NT	corn	n/a	1980	0-7.5	7.5	2.96
OH02	NT	corn	n/a	1980	7.5-15	7.5	2.17
OH02	NT	corn	n/a	1980	15.-22.5	7.5	1.63
OH02	NT	corn	n/a	1980	22.5-30	7.5	0.95
OH02	RT	corn	n/a	1980	0-7.5	7.5	1.95
OH02	RT	corn	n/a	1980	7.5-15	7.5	1.87
OH02	RT	corn	n/a	1980	15.-22.5	7.5	1.86
OH02	RT	corn	n/a	1980	22.5-30	7.5	1.64
OH02	CT	corn	n/a	1980	0-7.5	7.5	2.10
OH02	CT	corn	n/a	1980	7.5-15	7.5	2.09

OH02	CT	corn	n/a	1980	15.-22.5	7.5	2.05
OH02	CT	corn	n/a	1980	22.5-30	7.5	1.81
OH02	NT	corn-soybean	n/a	1980	0-7.5	7.5	2.64
OH02	NT	corn-soybean	n/a	1980	7.5-15	7.5	2.06
OH02	NT	corn-soybean	n/a	1980	15.-22.5	7.5	1.73
OH02	NT	corn-soybean	n/a	1980	22.5-30	7.5	0.95
OH02	RT	corn-soybean	n/a	1980	0-7.5	7.5	1.90
OH02	RT	corn-soybean	n/a	1980	7.5-15	7.5	1.85
OH02	RT	corn-soybean	n/a	1980	15.-22.5	7.5	1.88
OH02	RT	corn-soybean	n/a	1980	22.5-30	7.5	1.58
OH02	CT	corn-soybean	n/a	1980	0-7.5	7.5	1.83
OH02	CT	corn-soybean	n/a	1980	7.5-15	7.5	1.87
OH02	CT	corn-soybean	n/a	1980	15.-22.5	7.5	1.81
OH02	CT	corn-soybean	n/a	1980	22.5-30	7.5	1.37
OH02	NT	corn-oat-grass	n/a	1980	0-7.5	7.5	3.27
OH02	NT	corn-oat-grass	n/a	1980	7.5-15	7.5	2.27
OH02	NT	corn-oat-grass	n/a	1980	15.-22.5	7.5	1.73
OH02	NT	corn-oat-grass	n/a	1980	22.5-30	7.5	1.01
OH02	RT	corn-oat-grass	n/a	1980	0-7.5	7.5	2.13
OH02	RT	corn-oat-grass	n/a	1980	7.5-15	7.5	2.06
OH02	RT	corn-oat-grass	n/a	1980	15.-22.5	7.5	2.00
OH02	RT	corn-oat-grass	n/a	1980	22.5-30	7.5	1.43
OH02	CT	corn-oat-grass	n/a	1980	0-7.5	7.5	2.13
OH02	CT	corn-oat-grass	n/a	1980	7.5-15	7.5	2.06
OH02	CT	corn-oat-grass	n/a	1980	15.-22.5	7.5	2.04
OH02	CT	corn-oat-grass	n/a	1980	22.5-30	7.5	1.60
OH02	NT	corn	n/a	1993	0-20	20	2.99
OH02	NT	corn	n/a	1993	20-25	5	1.29
OH02	NT	corn	n/a	1993	25-50	25	0.63
OH02	NT	corn	n/a	1993	50-100	50	0.84
OH02	CT	corn	n/a	1993	0-20	20	2.00
OH02	CT	corn	n/a	1993	20-25	5	2.02
OH02	CT	corn	n/a	1993	25-50	25	0.97
OH02	CT	corn	n/a	1993	50-100	50	0.74
OH02	NT	corn-soybean	n/a	1993	0-20	20	2.31
OH02	NT	corn-soybean	n/a	1993	20-25	5	1.39

OH02	NT	corn-soybean	n/a	1993	25-50	25	0.70
OH02	NT	corn-soybean	n/a	1993	50-100	50	0.70
OH02	CT	corn-soybean	n/a	1993	0-20	20	1.78
OH02	CT	corn-soybean	n/a	1993	20-25	5	1.68
OH02	CT	corn-soybean	n/a	1993	25-50	25	0.85
OH02	CT	corn-soybean	n/a	1993	50-100	50	1.06
OH02	NT	corn-oat-grass	n/a	1993	0-20	20	2.91
OH02	NT	corn-oat-grass	n/a	1993	20-25	5	1.53
OH02	NT	corn-oat-grass	n/a	1993	25-50	25	0.72
OH02	NT	corn-oat-grass	n/a	1993	50-100	50	0.60
OH02	CT	corn-oat-grass	n/a	1993	0-20	20	2.08
OH02	CT	corn-oat-grass	n/a	1993	20-25	5	2.07
OH02	CT	corn-oat-grass	n/a	1993	25-50	25	0.98
OH02	CT	corn-oat-grass	n/a	1993	50-100	50	1.02
OH03	NT	corn	n/a	1993	0-20	20	1.35
OH03	NT	corn	n/a	1993	20-25	5	1.22
OH03	NT	corn	n/a	1993	25-50	25	2.82
OH03	NT	corn	n/a	1993	50-100	50	5.68
OH03	RT	corn	n/a	1993	0-20	20	1.09
OH03	RT	corn	n/a	1993	20-25	5	0.90
OH03	RT	corn	n/a	1993	25-50	25	1.01
OH03	RT	corn	n/a	1993	50-100	50	3.92
OH03	CT	corn	n/a	1993	0-20	20	1.02
OH03	CT	corn	n/a	1993	20-25	5	0.99
OH03	CT	corn	n/a	1993	25-50	25	1.50
OH03	CT	corn	n/a	1993	50-100	50	4.39
OR01	CT	wheat-fallow	0	1931	0-30	30	1.32
OR01	CT	wheat-fallow	0	1931	30-60	30	1.29
OR01	CT	wheat-fallow	0	1941	0-30	30	1.18
OR01	CT	wheat-fallow	0	1941	30-60	30	1.15
OR01	CT	wheat-fallow	0	1951	0-30	30	1.11
OR01	CT	wheat-fallow	0	1951	30-60	30	1.04
OR01	CT	wheat-fallow	0	1964	0-30	30	0.96
OR01	CT	wheat-fallow	0	1964	30-60	30	0.94
OR01	CT	wheat-fallow	0	1976	0-30	30	0.88
OR01	CT	wheat-fallow	0	1976	30-60	30	0.80

OR01	CT	wheat-fallow	0	1986	0-30	30	0.80
OR01	CT	wheat-fallow	0	1986	30-60	30	0.66
OR01	CT	wheat-fallow	45	1931	0-30	30	1.39
OR01	CT	wheat-fallow	45	1931	30-60	30	1.34
OR01	CT	wheat-fallow	45	1941	0-30	30	1.28
OR01	CT	wheat-fallow	45	1941	30-60	30	1.25
OR01	CT	wheat-fallow	45	1951	0-30	30	1.23
OR01	CT	wheat-fallow	45	1951	30-60	30	1.15
OR01	CT	wheat-fallow	45	1964	0-30	30	1.00
OR01	CT	wheat-fallow	45	1964	30-60	30	0.95
OR01	CT	wheat-fallow	45	1976	0-30	30	0.91
OR01	CT	wheat-fallow	45	1976	30-60	30	0.85
OR01	CT	wheat-fallow	45	1986	0-30	30	0.90
OR01	CT	wheat-fallow	45	1986	30-60	30	0.73
OR01	CT	wheat-fallow	90	1931	0-30	30	1.32
OR01	CT	wheat-fallow	90	1931	30-60	30	1.32
OR01	CT	wheat-fallow	90	1941	0-30	30	1.25
OR01	CT	wheat-fallow	90	1941	30-60	30	1.19
OR01	CT	wheat-fallow	90	1951	0-30	30	1.18
OR01	CT	wheat-fallow	90	1951	30-60	30	1.14
OR01	CT	wheat-fallow	90	1964	0-30	30	0.96
OR01	CT	wheat-fallow	90	1964	30-60	30	0.89
OR01	CT	wheat-fallow	90	1976	0-30	30	0.87
OR01	CT	wheat-fallow	90	1976	30-60	30	0.83
OR01	CT	wheat-fallow	90	1986	0-30	30	0.85
OR01	CT	wheat-fallow	90	1986	30-60	30	0.71
OR01	CT	wheat-fallow	111-manure eq.	1931	0-30	30	1.35
OR01	CT	wheat-fallow	111	1931	30-60	30	1.41
OR01	CT	wheat-fallow	111	1941	0-30	30	1.47
OR01	CT	wheat-fallow	111	1941	30-60	30	1.37
OR01	CT	wheat-fallow	111	1951	0-30	30	1.41
OR01	CT	wheat-fallow	111	1951	30-60	30	2.23
OR01	CT	wheat-fallow	111	1964	0-30	30	0.94
OR01	CT	wheat-fallow	111	1964	30-60	30	0.90
OR01	CT	wheat-fallow	111	1976	0-30	30	0.87
OR01	CT	wheat-fallow	111	1976	30-60	30	0.83

OR01	CT	wheat-fallow	111	1986	0-30	30	0.83
OR01	CT	wheat-fallow	111	1986	30-60	30	0.67
OR01b	CT	wheat-fallow	0	1984	0-7	7	1.24
OR01b	CT	wheat-fallow	0	1984	7-15	8	1.25
OR01b	CT	wheat-fallow	0	1984	15-22	7	1.18
OR01b	CT	wheat-fallow	0	1984	22-30	8	0.93
OR01b	CT	wheat-fallow	90	1984	0-7	7	1.17
OR01b	CT	wheat-fallow	90	1984	7-15	8	1.19
OR01b	CT	wheat-fallow	90	1984	15-22	7	1.10
OR01b	CT	wheat-fallow	90	1984	22-30	8	0.85
OR01b	CT	wheat-fallow	135	1984	0-7	7	1.23
OR01b	CT	wheat-fallow	135	1984	7-15	8	1.23
OR01b	CT	wheat-fallow	135	1984	15-22	7	1.14
OR01b	CT	wheat-fallow	135	1984	22-30	8	0.86
OR01b	CT	wheat-fallow	180	1984	0-7	7	1.30
OR01b	CT	wheat-fallow	180	1984	7-15	8	1.29
OR01b	CT	wheat-fallow	180	1984	15-22	7	1.16
OR01b	CT	wheat-fallow	180	1984	22-30	8	0.88
OR01b	RT	wheat-fallow	0	1984	0-7	7	1.56
OR01b	RT	wheat-fallow	0	1984	7-15	8	1.28
OR01b	RT	wheat-fallow	0	1984	15-22	7	1.17
OR01b	RT	wheat-fallow	0	1984	22-30	8	1.00
OR01b	RT	wheat-fallow	90	1984	0-7	7	1.55
OR01b	RT	wheat-fallow	90	1984	7-15	8	1.24
OR01b	RT	wheat-fallow	90	1984	15-22	7	1.09
OR01b	RT	wheat-fallow	90	1984	22-30	8	0.95
OR01b	RT	wheat-fallow	135	1984	0-7	7	1.77
OR01b	RT	wheat-fallow	135	1984	7-15	8	1.27
OR01b	RT	wheat-fallow	135	1984	15-22	7	1.14
OR01b	RT	wheat-fallow	135	1984	22-30	8	0.96
OR01b	RT	wheat-fallow	180	1984	0-7	7	1.79
OR01b	RT	wheat-fallow	180	1984	7-15	8	1.34
OR01b	RT	wheat-fallow	180	1984	15-22	7	1.16
OR01b	RT	wheat-fallow	180	1984	22-30	8	0.99
MI01	CT	corn	179-fert.	1972	0-25	25	0.91
MI01	CT	corn	179-fert.	1976	0-25	25	0.92

MI01	CT	corn	179-fert.	1982	0-25	25	0.79	
MI01	CT	corn	179-fert.	1991	0-25	25	0.75	
MI01	CT	corn	105-manure	1972	0-25	25	1.24	
MI01	CT	corn	105-m	1976	0-25	25	1.15	
MI01	CT	corn	105-m	1982	0-25	25	1.07	
MI01	CT	corn	105-m	1991	0-25	25	0.98	
MI01	CT	corn	215-m	1972	0-25	25	1.27	
MI01	CT	corn	215-m	1976	0-25	25	1.30	
MI01	CT	corn	215-m	1982	0-25	25	1.40	
MI01	CT	corn	215-m	1991	0-25	25	1.08	
MI01	CT	corn	320-m	1972	0-25	25	1.49	
MI01	CT	corn	320-m	1976	0-25	25	1.56	
MI01	CT	corn	320-m	1982	0-25	25	1.50	
MI01	CT	corn	320-m	1991	0-25	25	1.23	
MI02	n/a	oat-bean-soybean	n/a	1972	0-25	25	1.63	
MI02	n/a	oat-bean-soybean	n/a	1981	0-25	25	1.42	
MI02	n/a	oat-bean-soybean	n/a	1991	0-25	25	1.42	
MI02	n/a	corn-corn-corn-soybean	n/a	1972	0-25	25	1.63	
MI02	n/a	corn-corn-corn-soybean	n/a	1981	0-25	25	1.57	
MI02	n/a	corn-corn-corn-soybean	n/a	1991	0-25	25	1.61	
MI02	n/a	corn-corn-bean-soybean	n/a	1972	0-25	25	1.58	
MI02	n/a	corn-corn-bean-soybean	n/a	1981	0-25	25	1.53	
MI02	n/a	corn-corn-bean-soybean	n/a	1991	0-25	25	1.53	
MI02	n/a	corn-alfalfa-bean-soybean	n/a	1972	0-25	25	1.65	
MI02	n/a	corn-alfalfa-bean-soybean	n/a	1981	0-25	25	1.47	
MI02	n/a	corn-alfalfa-bean-soybean	n/a	1991	0-25	25	1.44	
TX02	RT	Sorghum	n/a	1994	0-20	20		2780
TX02	RT	Wheat	n/a	1994	0-20	20		2700
TX02	RT	wheat-sorghum-(fallow)	n/a	1994	0-20	20		2700
TX02	RT	wheat-(sorghum)-fallow	n/a	1994	0-20	20		2680
TX02	RT	(wheat)-sorghum-fallow	n/a	1994	0-20	20		2660
TX02	RT	wheat-(fallow)	n/a	1994	0-20	20		2660
TX02	RT	(wheat)-fallow	n/a	1994	0-20	20		2540
TX02	NT	Sorghum	n/a	1994	0-20	20		3060
TX02	NT	Wheat	n/a	1994	0-20	20		3260
TX02	NT	wheat-sorghum-(fallow)	n/a	1994	0-20	20		3060

TX02	NT	wheat-(sorghum)-fallow	n/a	1994	0-20	20		2900
TX02	NT	(wheat)-sorghum-fallow	n/a	1994	0-20	20		2980
TX02	NT	wheat-(fallow)	n/a	1994	0-20	20		2860
TX02	NT	(wheat)-fallow	n/a	1994	0-20	20		2820
Alb02a	n/a	wheat	n/a	1910	0-15	15	1.76	
Alb02a	n/a	wheat	n/a	1922	0-15	15	1.64	
Alb02a	n/a	wheat	n/a	1940	0-15	15	1.61	
Alb02a	n/a	wheat	n/a	1953	0-15	15	1.64	
Alb02a	n/a	wheat	n/a	1967	0-15	15	1.47	
Alb02a	n/a	wheat	n/a	1980	0-15	15	1.46	
Alb02a	n/a	wheat	n/a	1990	0-15	15	1.46	
Alb02a	n/a	wheat-fallow	n/a	1910	0-15	15	1.76	
Alb02a	n/a	wheat-fallow	n/a	1922	0-15	15	1.36	
Alb02a	n/a	wheat-fallow	n/a	1940	0-15	15	1.32	
Alb02a	n/a	wheat-fallow	n/a	1953	0-15	15	1.41	
Alb02a	n/a	wheat-fallow	n/a	1967	0-15	15	1.36	
Alb02a	n/a	wheat-fallow	n/a	1980	0-15	15	1.36	
Alb02a	n/a	wheat-fallow	n/a	1990	0-15	15	1.35	
Alb02a	n/a	wheat-wheat-fallow	n/a	1910	0-15	15	1.76	
Alb02a	n/a	wheat-wheat-fallow	n/a	1922	0-15	15	1.34	
Alb02a	n/a	wheat-wheat-fallow	n/a	1940	0-15	15	1.32	
Alb02a	n/a	wheat-wheat-fallow	n/a	1953	0-15	15	1.31	
Alb02a	n/a	wheat-wheat-fallow	n/a	1967	0-15	15	1.35	
Alb02a	n/a	wheat-wheat-fallow	n/a	1980	0-15	15	1.46	
Alb02a	n/a	wheat-wheat-fallow	n/a	1990	0-15	15	1.39	
Alb02b	n/a	wheat	0	1954	0-15	15	1.83	
Alb02b	n/a	wheat	0	1954	15-30	15	1.47	
Alb02b	n/a	wheat	0	1967	0-15	15	1.82	
Alb02b	n/a	wheat	0	1967	15-30	15	1.32	
Alb02b	n/a	wheat	0	1974	0-15	15	1.70	
Alb02b	n/a	wheat	0	1974	15-30	15	1.25	
Alb02b	n/a	wheat	0	1985	0-15	15	1.70	
Alb02b	n/a	wheat	0	1985	15-30	15	1.27	
Alb02b	n/a	wheat	0	1992	0-15	15	1.74	
Alb02b	n/a	wheat	0	1992	15-30	15	1.36	
Alb02b	n/a	wheat-fallow	0	1954	0-15	15	1.76	

Alb02b	n/a	wheat-fallow	0	1954	15-30	15	1.42
Alb02b	n/a	wheat-fallow	0	1967	0-15	15	1.60
Alb02b	n/a	wheat-fallow	0	1967	15-30	15	1.30
Alb02b	n/a	wheat-fallow	0	1974	0-15	15	1.51
Alb02b	n/a	wheat-fallow	0	1974	15-30	15	1.17
Alb02b	n/a	wheat-fallow	0	1985	0-15	15	1.45
Alb02b	n/a	wheat-fallow	0	1985	15-30	15	1.14
Alb02b	n/a	wheat-fallow	0	1992	0-15	15	1.50
Alb02b	n/a	wheat-fallow	0	1992	15-30	15	1.38
Alb02b	n/a	wheat-wheat-fallow	0	1954	0-15	15	1.78
Alb02b	n/a	wheat-wheat-fallow	0	1954	15-30	15	1.39
Alb02b	n/a	wheat-wheat-fallow	0	1967	0-15	15	1.65
Alb02b	n/a	wheat-wheat-fallow	0	1967	15-30	15	1.28
Alb02b	n/a	wheat-wheat-fallow	0	1974	0-15	15	1.55
Alb02b	n/a	wheat-wheat-fallow	0	1974	15-30	15	1.22
Alb02b	n/a	wheat-wheat-fallow	0	1985	0-15	15	1.48
Alb02b	n/a	wheat-wheat-fallow	0	1985	15-30	15	1.15
Alb02b	n/a	wheat-wheat-fallow	0	1992	0-15	15	1.57
Alb02b	n/a	wheat-wheat-fallow	0	1992	15-30	15	1.32
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1954	0-15	15	1.79
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1954	15-30	15	1.44
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1967	0-15	15	1.74
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1967	15-30	15	1.33
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1974	0-15	15	1.72
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1974	15-30	15	1.21
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1985	0-15	15	1.64
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1985	15-30	15	1.19
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1992	0-15	15	1.87
Alb02b	n/a	wheat-wheat-fallow	fallow with manure	1992	15-30	15	1.33
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1954	0-15	15	1.81
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1954	15-30	15	1.45
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1967	0-15	15	1.77
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1967	15-30	15	1.42

Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1974	0-15	15	1.71	
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1974	15-30	15	1.33	
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1985	0-15	15	1.72	
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1985	15-30	15	1.36	
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1992	0-15	15	1.77	
Alb02b	n/a	wheat-wheat-hay-hay-hay-fallow	0	1992	15-30	15	1.51	
Den01			unfertilized	1985	0-20	20	1.07	
Den01			unfertilized	1985	30-35	5	0.44	
Den01			manure	1985	0-20	20	1.32	
Den01			manure	1985	30-35	5	0.61	
Den01			NPK	1985	0-20	20	1.19	
Den01			NPK	1985	30-35	5	0.45	
Sas01	CT	fallow-wheat	0	1987	0-15	15	1.80	
Sas01	CT	fallow-wheat	N+P	1987	0-15	15	1.88	
Sas01	CT	fallow-wheat-wheat	0	1987	0-15	15	1.80	
Sas01	CT	fallow-wheat-wheat	N+P	1987	0-15	15	1.84	
Sas01	CT	wheat	0	1987	0-15	15	1.79	
Sas01	CT	wheat	N+P	1987	0-15	15	2.10	
Sas01	CT	fallow-wheat	0	1997	0-7.5	7.5	2.10	
Sas01	CT	fallow-wheat	0	1997	7.5-15	7.5	2.13	
Sas01	CT	fallow-wheat	N+P	1997	0-7.5	7.5	2.22	
Sas01	CT	fallow-wheat	N+P	1997	7.5-15	7.5	2.25	
Sas01	CT	fallow-wheat-wheat	0	1997	0-7.5	7.5	1.96	
Sas01	CT	fallow-wheat-wheat	0	1997	7.5-15	7.5	1.82	
Sas01	CT	fallow-wheat-wheat	N+P	1997	0-7.5	7.5	2.45	
Sas01	CT	fallow-wheat-wheat	N+P	1997	7.5-15	7.5	2.24	
Sas01	CT	wheat	0	1997	0-7.5	7.5	2.18	
Sas01	CT	wheat	0	1997	7.5-15	7.5	1.96	
Sas01	CT	wheat	N+P	1997	0-7.5	7.5	2.77	
Sas01	CT	wheat	N+P	1997	7.5-15	7.5	2.11	
Sas02	CT	fallow-wheat-wheat	0	1987	0-15	15	5.15	6140

Sas02	CT	fallow-wheat-wheat	N+P	1987	0-15	15	5.13	6120
Sas02	CT	wheat	0	1987	0-15	15	5.48	6530
Sas02	CT	wheat	N+P	1987	0-15	15	5.48	6540
Sas02	CT	fallow-wheat-wheat-hay-hay-wheat	0	1987	0-15	15	5.34	6527
Sas02	CT	fallow-wheat-wheat-hay-hay-wheat	N+P	1987	0-15	15	5.14	6357
Sas03	RT	fallow-wheat-wheat	P	1976	0-15	15	1.75	
Sas03	RT	fallow-wheat-wheat	P	1981	0-15	15	1.75	
Sas03	RT	fallow-wheat-wheat	P	1984	0-15	15	1.53	
Sas03	RT	fallow-wheat-wheat	P	1990	0-15	15	1.48	
Sas03	RT	fallow-wheat-wheat	N+P	1976	0-15	15	1.76	
Sas03	RT	fallow-wheat-wheat	N+P	1981	0-15	15	1.61	
Sas03	RT	fallow-wheat-wheat	N+P	1984	0-15	15	1.74	
Sas03	RT	fallow-wheat-wheat	N+P	1990	0-15	15	1.67	
Sas03	RT	fallow-wheat-wheat	N+P	1999	0-15	15		
Sas03	RT	wheat	P	1976	0-15	15	1.70	
Sas03	RT	wheat	P	1981	0-15	15	1.71	
Sas03	RT	wheat	P	1984	0-15	15	1.80	
Sas03	RT	wheat	P	1990	0-15	15	1.54	
Sas03	RT	wheat	N+P	1976	0-15	15	2.04	
Sas03	RT	wheat	N+P	1981	0-15	15	2.07	
Sas03	RT	wheat	N+P	1984	0-15	15	1.70	
Sas03	RT	wheat	N+P	1990	0-15	15	1.60	
Sas03b	CT	wheat		1986	0-7.5	7.5	1.65	
Sas03b	CT	wheat		1986	7.5-15	7.5	1.57	
Sas03b	CT	wheat		1990	0-7.5	7.5	1.69	
Sas03b	CT	wheat		1990	7.5-15	7.5	1.58	
Sas03b	CT	wheat		1994	0-7.5	7.5	1.70	
Sas03b	CT	wheat		1994	7.5-15	7.5	1.51	
Sas03b	NT	wheat		1986	0-7.5	7.5	1.75	
Sas03b	NT	wheat		1986	7.5-15	7.5	1.57	
Sas03b	NT	wheat		1990	0-7.5	7.5	1.88	
Sas03b	NT	wheat		1990	7.5-15	7.5	1.58	
Sas03b	NT	wheat		1994	0-7.5	7.5	1.86	
Sas03b	NT	wheat		1994	7.5-15	7.5	1.51	
Sas03b	CT	fallow-wheat	wheat	1986	0-7.5	7.5	1.48	

Sas03b	CT	fallow-wheat	wheat	1986	7.5-15	7.5	1.57
Sas03b	CT	fallow-wheat	wheat	1990	0-7.5	7.5	1.60
Sas03b	CT	fallow-wheat	wheat	1990	7.5-15	7.5	1.58
Sas03b	CT	fallow-wheat	wheat	1994	0-7.5	7.5	1.52
Sas03b	CT	fallow-wheat	wheat	1994	7.5-15	7.5	1.51
Sas03b	NT	fallow-wheat	wheat	1986	0-7.5	7.5	1.63
Sas03b	NT	fallow-wheat	wheat	1986	7.5-15	7.5	1.57
Sas03b	NT	fallow-wheat	wheat	1990	0-7.5	7.5	1.62
Sas03b	NT	fallow-wheat	wheat	1990	7.5-15	7.5	1.58
Sas03b	NT	fallow-wheat	wheat	1994	0-7.5	7.5	1.60
Sas03b	NT	fallow-wheat	wheat	1994	7.5-15	7.5	1.51
Sas04	CT	wheat	wheat	1983	0-7.5	7.5	
Sas04	CT	wheat	wheat	1983	7.5-15	7.5	
Sas04	CT	wheat	wheat	1986	0-7.5	7.5	0.84
Sas04	CT	wheat	wheat	1986	7.5-15	7.5	0.86
Sas04	CT	wheat	wheat	1990	0-7.5	7.5	0.84
Sas04	CT	wheat	wheat	1990	7.5-15	7.5	0.81
Sas04	CT	wheat	wheat	1994	0-7.5	7.5	0.93
Sas04	CT	wheat	wheat	1994	7.5-15	7.5	0.85
Sas04	NT	wheat	wheat	1983	0-7.5	7.5	
Sas04	NT	wheat	wheat	1983	7.5-15	7.5	
Sas04	NT	wheat	wheat	1986	0-7.5	7.5	0.84
Sas04	NT	wheat	wheat	1986	7.5-15	7.5	0.91
Sas04	NT	wheat	wheat	1990	0-7.5	7.5	0.82
Sas04	NT	wheat	wheat	1990	7.5-15	7.5	0.88
Sas04	NT	wheat	wheat	1994	0-7.5	7.5	1.07
Sas04	NT	wheat	wheat	1994	7.5-15	7.5	0.85
Sas04	RT	fallow-wheat	wheat	1983	0-7.5	7.5	
Sas04	RT	fallow-wheat	wheat	1983	7.5-15	7.5	
Sas04	RT	fallow-wheat	wheat	1986	0-7.5	7.5	0.97
Sas04	RT	fallow-wheat	wheat	1986	7.5-15	7.5	0.94
Sas04	RT	fallow-wheat	wheat	1990	0-7.5	7.5	0.93
Sas04	RT	fallow-wheat	wheat	1990	7.5-15	7.5	0.88
Sas04	RT	fallow-wheat	wheat	1994	0-7.5	7.5	0.91
Sas04	RT	fallow-wheat	wheat	1994	7.5-15	7.5	0.95
Sas04	NT	fallow-wheat	wheat	1983	0-7.5	7.5	

Sas04	NT	fallow-wheat	wheat	1983	7.5-15	7.5	
Sas04	NT	fallow-wheat	wheat	1986	0-7.5	7.5	0.95
Sas04	NT	fallow-wheat	wheat	1986	7.5-15	7.5	0.91
Sas04	NT	fallow-wheat	wheat	1990	0-7.5	7.5	0.90
Sas04	NT	fallow-wheat	wheat	1990	7.5-15	7.5	0.82
Sas04	NT	fallow-wheat	wheat	1994	0-7.5	7.5	1.03
Sas04	NT	fallow-wheat	wheat	1994	7.5-15	7.5	0.88
Sas05	CT	wheat		1983	0-7.5	7.5	
Sas05	CT	wheat		1983	7.5-15	7.5	
Sas05	CT	wheat		1986	0-7.5	7.5	1.50
Sas05	CT	wheat		1986	7.5-15	7.5	1.50
Sas05	CT	wheat		1990	0-7.5	7.5	1.57
Sas05	CT	wheat		1990	7.5-15	7.5	1.30
Sas05	CT	wheat		1994	0-7.5	7.5	1.60
Sas05	CT	wheat		1994	7.5-15	7.5	1.34
Sas05	NT	wheat		1983	0-7.5	7.5	
Sas05	NT	wheat		1983	7.5-15	7.5	
Sas05	NT	wheat		1986	0-7.5	7.5	1.94
Sas05	NT	wheat		1986	7.5-15	7.5	1.60
Sas05	NT	wheat		1990	0-7.5	7.5	1.80
Sas05	NT	wheat		1990	7.5-15	7.5	1.44
Sas05	NT	wheat		1994	0-7.5	7.5	1.83
Sas05	NT	wheat		1994	7.5-15	7.5	1.34
Sas05	RT	fallow-wheat	avgerage	1983	0-7.5	7.5	
Sas05	RT	fallow-wheat	avgerage	1983	7.5-15	7.5	
Sas05	RT	fallow-wheat	avgerage	1986	0-7.5	7.5	1.57
Sas05	RT	fallow-wheat	avgerage	1986	7.5-15	7.5	1.53
Sas05	RT	fallow-wheat	avgerage	1990	0-7.5	7.5	1.51
Sas05	RT	fallow-wheat	avgerage	1990	7.5-15	7.5	1.38
Sas05	RT	fallow-wheat	avgerage	1994	0-7.5	7.5	1.48
Sas05	RT	fallow-wheat	avgerage	1994	7.5-15	7.5	1.32
Sas05	NT	fallow-wheat	avgerage	1983	0-7.5	7.5	
Sas05	NT	fallow-wheat	avgerage	1983	7.5-15	7.5	
Sas05	NT	fallow-wheat	avgerage	1986	0-7.5	7.5	1.78
Sas05	NT	fallow-wheat	avgerage	1986	7.5-15	7.5	1.72
Sas05	NT	fallow-wheat	avgerage	1990	0-7.5	7.5	1.83

Sas05	NT	fallow-wheat	avgerage	1990	7.5-15	7.5	1.67
Sas05	NT	fallow-wheat	avgerage	1994	0-7.5	7.5	1.76
Sas05	NT	fallow-wheat	avgerage	1994	7.5-15	7.5	1.53
ND01	n/a	initial	n/a	1983	0-7.6	7.6	2.14
ND01	n/a	initial	n/a	1983	7.6-15.2	7.6	2.05
ND01	n/a	initial	n/a	1983	15.2-30.4	15.2	1.41
ND01	n/a	initial	n/a	1983	30.4-45.7	15.3	0.93
ND01	n/a	init	n/a	1983	45.7-60.9	15.2	0.69
ND01	CT	wheat-fallow	0	1991	0-7.6	7.6	1.92
ND01	CT	wheat-fallow	0	1991	7.6-15.2	7.6	1.91
ND01	CT	wheat-fallow	0	1991	15.2-30.4	15.2	1.37
ND01	CT	wheat-fallow	0	1991	30.4-60.9	15.3	0.92
ND01	CT	wheat-fallow	0	1991	60.9-91.2	15.2	0.43
ND01	CT	wheat-fallow	20	1991	0-7.6	7.6	2.00
ND01	CT	wheat-fallow	20	1991	7.6-15.2	7.6	1.85
ND01	CT	wheat-fallow	20	1991	15.2-30.4	15.2	1.41
ND01	CT	wheat-fallow	20	1991	30.4-60.9	15.3	0.86
ND01	CT	wheat-fallow	20	1991	60.9-91.2	15.2	0.47
ND01	CT	wheat-fallow	40	1991	0-7.6	7.6	1.99
ND01	CT	wheat-fallow	40	1991	7.6-15.2	7.6	2.04
ND01	CT	wheat-fallow	40	1991	15.2-30.4	15.2	1.56
ND01	CT	wheat-fallow	40	1991	30.4-60.9	15.3	0.92
ND01	CT	wheat-fallow	40	1991	60.9-91.2	15.2	0.64
ND01	RT	wheat-fallow	0	1991	0-7.6	7.6	1.78
ND01	RT	wheat-fallow	0	1991	7.6-15.2	7.6	1.74
ND01	RT	wheat-fallow	0	1991	15.2-30.4	15.2	1.28
ND01	RT	wheat-fallow	0	1991	30.4-60.9	15.3	0.86
ND01	RT	wheat-fallow	0	1991	60.9-91.2	15.2	0.41
ND01	RT	wheat-fallow	20	1991	0-7.6	7.6	1.79
ND01	RT	wheat-fallow	20	1991	7.6-15.2	7.6	1.76
ND01	RT	wheat-fallow	20	1991	15.2-30.4	15.2	1.45
ND01	RT	wheat-fallow	20	1991	30.4-60.9	15.3	0.80
ND01	RT	wheat-fallow	20	1991	60.9-91.2	15.2	0.47
ND01	RT	wheat-fallow	40	1991	0-7.6	7.6	1.93
ND01	RT	wheat-fallow	40	1991	7.6-15.2	7.6	1.90
ND01	RT	wheat-fallow	40	1991	15.2-30.4	15.2	1.32

ND01	RT	wheat-fallow	40	1991	30.4-60.9	15.3	0.88
ND01	RT	wheat-fallow	40	1991	60.9-91.2	15.2	0.45
ND01	NT	wheat-fallow	0	1991	0-7.6	7.6	1.83
ND01	NT	wheat-fallow	0	1991	7.6-15.2	7.6	1.73
ND01	NT	wheat-fallow	0	1991	15.2-30.4	15.2	1.33
ND01	NT	wheat-fallow	0	1991	30.4-60.9	15.3	0.86
ND01	NT	wheat-fallow	0	1991	60.9-91.2	15.2	0.44
ND01	NT	wheat-fallow	20	1991	0-7.6	7.6	1.77
ND01	NT	wheat-fallow	20	1991	7.6-15.2	7.6	1.72
ND01	NT	wheat-fallow	20	1991	15.2-30.4	15.2	1.18
ND01	NT	wheat-fallow	20	1991	30.4-60.9	15.3	0.85
ND01	NT	wheat-fallow	20	1991	60.9-91.2	15.2	0.40
ND01	NT	wheat-fallow	40	1991	0-7.6	7.6	1.78
ND01	NT	wheat-fallow	40	1991	7.6-15.2	7.6	1.66
ND01	NT	wheat-fallow	40	1991	15.2-30.4	15.2	1.25
ND01	NT	wheat-fallow	40	1991	30.4-60.9	15.3	0.71
ND01	NT	wheat-fallow	40	1991	60.9-91.2	15.2	0.38
ND01	CT	wheat-wheat-sunflower	34	1991	0-7.6	7.6	2.12
ND01	CT	wheat-wheat-sunflower	34	1991	7.6-15.2	7.6	1.97
ND01	CT	wheat-wheat-sunflower	34	1991	15.2-30.4	15.2	1.50
ND01	CT	wheat-wheat-sunflower	34	1991	30.4-60.9	15.3	0.83
ND01	CT	wheat-wheat-sunflower	34	1991	60.9-91.2	15.2	0.54
ND01	CT	wheat-wheat-sunflower	67	1991	0-7.6	7.6	2.03
ND01	CT	wheat-wheat-sunflower	67	1991	7.6-15.2	7.6	1.81
ND01	CT	wheat-wheat-sunflower	67	1991	15.2-30.4	15.2	1.31
ND01	CT	wheat-wheat-sunflower	67	1991	30.4-60.9	15.3	0.63
ND01	CT	wheat-wheat-sunflower	67	1991	60.9-91.2	15.2	0.38
ND01	CT	wheat-wheat-sunflower	101	1991	0-7.6	7.6	2.13
ND01	CT	wheat-wheat-sunflower	101	1991	7.6-15.2	7.6	1.89
ND01	CT	wheat-wheat-sunflower	101	1991	15.2-30.4	15.2	1.38
ND01	CT	wheat-wheat-sunflower	101	1991	30.4-60.9	15.3	0.76
ND01	CT	wheat-wheat-sunflower	101	1991	60.9-91.2	15.2	0.40
ND01	RT	wheat-wheat-sunflower	34	1991	0-7.6	7.6	2.11
ND01	RT	wheat-wheat-sunflower	34	1991	7.6-15.2	7.6	1.92
ND01	RT	wheat-wheat-sunflower	34	1991	15.2-30.4	15.2	1.52
ND01	RT	wheat-wheat-sunflower	34	1991	30.4-60.9	15.3	0.83

ND01	RT	wheat-wheat-sunflower	34	1991	60.9-91.2	15.2	0.47
ND01	RT	wheat-wheat-sunflower	67	1991	0-7.6	7.6	2.32
ND01	RT	wheat-wheat-sunflower	67	1991	7.6-15.2	7.6	2.00
ND01	RT	wheat-wheat-sunflower	67	1991	15.2-30.4	15.2	1.60
ND01	RT	wheat-wheat-sunflower	67	1991	30.4-60.9	15.3	0.96
ND01	RT	wheat-wheat-sunflower	67	1991	60.9-91.2	15.2	0.53
ND01	RT	wheat-wheat-sunflower	101	1991	0-7.6	7.6	2.27
ND01	RT	wheat-wheat-sunflower	101	1991	7.6-15.2	7.6	1.93
ND01	RT	wheat-wheat-sunflower	101	1991	15.2-30.4	15.2	1.63
ND01	RT	wheat-wheat-sunflower	101	1991	30.4-60.9	15.3	0.96
ND01	RT	wheat-wheat-sunflower	101	1991	60.9-91.2	15.2	0.48
ND01	NT	wheat-wheat-sunflower	34	1991	0-7.6	7.6	2.45
ND01	NT	wheat-wheat-sunflower	34	1991	7.6-15.2	7.6	1.99
ND01	NT	wheat-wheat-sunflower	34	1991	15.2-30.4	15.2	1.58
ND01	NT	wheat-wheat-sunflower	34	1991	30.4-60.9	15.3	0.78
ND01	NT	wheat-wheat-sunflower	34	1991	60.9-91.2	15.2	0.37
ND01	NT	wheat-wheat-sunflower	67	1991	0-7.6	7.6	2.36
ND01	NT	wheat-wheat-sunflower	67	1991	7.6-15.2	7.6	1.96
ND01	NT	wheat-wheat-sunflower	67	1991	15.2-30.4	15.2	1.49
ND01	NT	wheat-wheat-sunflower	67	1991	30.4-60.9	15.3	0.75
ND01	NT	wheat-wheat-sunflower	67	1991	60.9-91.2	15.2	0.40
ND01	NT	wheat-wheat-sunflower	101	1991	0-7.6	7.6	2.49
ND01	NT	wheat-wheat-sunflower	101	1991	7.6-15.2	7.6	2.08
ND01	NT	wheat-wheat-sunflower	101	1991	15.2-30.4	15.2	1.71
ND01	NT	wheat-wheat-sunflower	101	1991	30.4-60.9	15.3	0.90
ND01	NT	wheat-wheat-sunflower	101	1991	60.9-91.2	15.2	0.47
WI01	CT	corn	n/a	1958	0-15	15	1.88
WI01	CT	corn	0	1984	0-15	15	1.96
WI01	CT	corn	56-140	1984	0-15	15	2.20
WI01	CT	corn	112-280	1984	0-15	15	2.22
WI02	n/a	virgin profile	n/a	1966	0-15	15	1.51
WI02	n/a	virgin profile	n/a	1966	15-30	15	0.35
WI02	n/a	virgin profile	n/a	1966	30-46	15	0.17
WI02	n/a	virgin profile	n/a	1966	46-61	15	0.17
WI02	n/a	virgin profile	n/a	1966	61-91	30	0.12
WI02	n/a	virgin profile	n/a	1966	91-122	30	0.12

WI02	n/a	initial	n/a	1966	0-15	15	1.61
WI02	n/a	initial	n/a	1966	15-30	15	0.54
WI02	n/a	initial	n/a	1966	30-46	15	0.33
WI02	n/a	initial	n/a	1966	46-61	15	0.27
WI02	n/a	initial	n/a	1966	61-91	30	0.23
WI02	n/a	initial	n/a	1966	91-122	30	0.20
WI02	RT	corn-soybean-corn-oat-alfalfa	n/a	1990	0-20	20	1.66
WI02	RT	corn-corn-oat-alfalfa-alfalfa	n/a	1990	0-20	20	1.63
WI02	RT	corn	0	1990	0-20	20	1.40
WI02	RT	corn	84 or 56	1990	0-20	20	1.22
WI02	RT	corn	168/112	1990	0-20	20	1.36
WI02	RT	corn	336/224	1990	0-20	20	1.33
MN01	CT	corn	16	1979	0-20	20	2.63
MN01	CT	corn	61	1979	0-20	20	2.74
MN01	CT	corn	106	1979	0-20	20	2.70
MN01	CT	corn	195	1979	0-20	20	2.75
Edi01	CT	barley	n/a	1967	0-60	60	2.44
Edi01	CT	barley	n/a	1975	0-60	60	2.44
Edi01	CT	barley	n/a	1990	0-60	60	2.67
Edi01	CT	barley	n/a	1992	0-60	60	3.10
Edi01	NT	barley	n/a	1975	0-60	60	2.91
Edi01	NT	barley	n/a	1990	0-60	60	2.91
Edi01	NT	barley	n/a	1992	0-60	60	3.62
Edi02	CT	barley	n/a	1967	0-60	60	2.44
Edi02	CT	barley	n/a	1975	0-60	60	2.15
Edi02	CT	barley	n/a	1990	0-60	60	2.33
Edi02	NT	barley	n/a	1975	0-60	60	2.15
Edi02	NT	barley	n/a	1990	0-60	60	2.85
MO01	n/a	initial	n/a	1888	0-10	10	4.40
MO01	CT	wheat	manure	1915	0-20	20	1.19
MO01	CT	wheat	manure	1963	0-20	20	1.42
MO01	CT	wheat	manure	1988	0-20	20	1.86
MO01	CT	wheat	fert.	1915	0-10	10	1.22
MO01	CT	wheat	fert.	1915	10-20	10	1.07
MO01	CT	wheat	fert.	1963	0-20	20	1.09
MO01	CT	wheat	fert.	1986	0-20	20	1.30

MO01	CT	wheat	fert.	1988	0-20	20	1.44
MO01	CT	wheat	0	1915	0-10	10	1.22
MO01	CT	wheat	0	1963	0-20	20	0.88
MO01	CT	wheat	0	1988	0-20	20	0.84
MO01	CT	corn	manure	1915	0-10	10	1.58
MO01	CT	corn	manure	1915	10-20	10	1.50
MO01	CT	corn	manure	1963	0-20	20	1.43
MO01	CT	corn	manure	1986	0-20	20	1.80
MO01	CT	corn	manure	1988	0-20	20	1.67
MO01	CT	corn	fert.	1915			
MO01	CT	corn	fert.	1963	0-20	20	1.10
MO01	CT	corn	fert.	1986	0-20	20	1.30
MO01	CT	corn	fert.	1988	0-20	20	1.44
MO01	CT	corn	0	1915	0-20	20	1.13
MO01	CT	corn	0	1963	0-20	20	0.96
MO01	CT	corn	0	1989	0-20	20	0.79
MO01	NT	corn	fert.	1915			
MO01	NT	corn	fert.	1963	0-20	20	1.18
MO01	NT	corn	fert.	1988	0-20	20	1.68
MO01	CT	corn-wheat-clover	manure	1915			
MO01	CT	corn-wheat-clover	manure	1963	0-20	20	1.20
MO01	CT	corn-wheat-clover	manure	1988	0-20	20	1.85
MO01	CT	corn-wheat-clover	fert.	1915			
MO01	CT	corn-wheat-clover	fert.	1963	0-20	20	1.09
MO01	CT	corn-wheat-clover	fert.	1988	0-20	20	1.40
MO01	CT	timothy	0	1915	0-10	10	1.37
MO01	CT	timothy	0	1915	10-20	10	1.19
MO01	CT	timothy	0	1986	0-10	10	1.40
MO01	CT	timothy	manure	1915	0-10	10	2.43
MO01	CT	timothy	manure	1915	10-20	10	1.43
MO01	CT	timothy	manure	1986	0-10	10	2.10
MO01	CT	clover	0	1915	0-10	10	1.30
MO01	CT	clover	0	1915	10-20	10	
MO01	CT	clover	manure	1915	0-10	10	1.61
MO01	CT	clover	manure	1915	10-20	10	1.60
MD01	CT	corn	n/a	1985	5-19	14	

MD01	NT	corn	n/a	1985	5-19	14	
MD02	CT	corn	n/a	1985	5-19	14	
MD02	NT	corn	n/a	1985	5-19	14	
MD03	CT	corn	n/a	1985			
MD03	NT	corn	n/a	1985			
Swe01	n/a	cereals	fallow	1956	0-20	20	1.59
Swe01	n/a	cereals	fallow	1991	0-20	20	1.10
Swe01	n/a	cereals	fallow	1993	0-20	20	0.98
Swe01	n/a	cereals	no treatment	1956	0-20	20	1.51
Swe01	n/a	cereals	no treatment	1991	0-20	20	1.23
Swe01	n/a	cereals	no treatment	1993	0-20	20	1.16
Swe01	n/a	cereals	green manure	1956	0-20	20	1.56
Swe01	n/a	cereals	green manure	1991	0-20	20	1.87
Swe01	n/a	cereals	green manure	1993	0-20	20	1.64
Swe01	n/a	cereals	farmyard manure	1956	0-20	20	0.80
Swe01	n/a	cereals	farmyard manure	1991	0-20	20	1.12
Swe01	n/a	cereals	farmyard manure	1993	0-20	20	2.14
Swe01	n/a	cereals	peat	1956	0-20	20	1.83
Swe01	n/a	cereals	peat	1991	0-20	20	3.52
Swe01	n/a	cereals	peat	1993	0-20	20	3.06
Eng01	n/a	barley	0	1852	0-23	23	1.05
Eng01	n/a	barley	0	1882	0-23	23	0.91
Eng01	n/a	barley	0	1904	0-23	23	0.84
Eng01	n/a	barley	0	1913	0-23	23	0.94
Eng01	n/a	barley	0	1946	0-23	23	0.90
Eng01	n/a	barley	0	1966	0-23	23	0.93
Eng01	n/a	barley	0	1975	0-23	23	0.91
Eng01	n/a	barley	PK	1852	0-23	23	1.17
Eng01	n/a	barley	PK	1882	0-23	23	1.12
Eng01	n/a	barley	PK	1913	0-23	23	1.10
Eng01	n/a	barley	PK	1946	0-23	23	1.17
Eng01	n/a	barley	PK	1975	0-23	23	1.10
Eng01	n/a	barley	NPK	1852	0-23	23	1.17
Eng01	n/a	barley	NPK	1868	0-23	23	0.71
Eng01	n/a	barley	NPK	1882	0-23	23	1.08
Eng01	n/a	barley	NPK	1897	0-23	23	1.03

Eng01	n/a	barley	NPK	1904	0-23	23	1.06
Eng01	n/a	barley	NPK	1913	0-23	23	1.09
Eng01	n/a	barley	NPK	1946	0-23	23	1.15
Eng01	n/a	barley	NPK	1966	0-23	23	1.16
Eng01	n/a	barley	NPK	1975	0-23	23	0.96
Eng01	n/a	barley	FY manure	1852	0-23	23	1.17
Eng01	n/a	barley	FY manure	1882	0-23	23	2.39
Eng01	n/a	barley	FY manure	1904	0-23	23	2.57
Eng01	n/a	barley	FY manure	1913	0-23	23	3.01
Eng01	n/a	barley	FY manure	1946	0-23	23	3.07
Eng01	n/a	barley	FY manure	1965	0-23	23	3.31
Eng01	n/a	barley	FY manure	1966	0-23	23	3.06
Eng01	n/a	barley	FY manure	1975	0-23	23	3.38
Nor01	n/a	continuous cereal	n/a	1953	0-20	20	3.80
Nor01	n/a	continuous cereal	n/a	1966	0-20	20	3.43
Nor01	n/a	continuous cereal	n/a	1972	0-20	20	3.40
Nor01	n/a	continuous cereal	n/a	1978	0-20	20	3.30
Nor01	n/a	continuous cereal	n/a	1984	0-20	20	3.38
Nor01	n/a	continuous cereal	straw plough in	1953	0-20	20	3.80
Nor01	n/a	continuous cereal	straw plough in	1966	0-20	20	3.49
Nor01	n/a	continuous cereal	straw plough in	1972	0-20	20	3.47
Nor01	n/a	continuous cereal	straw plough in	1978	0-20	20	3.35
Nor01	n/a	continuous cereal	straw plough in	1984	0-20	20	3.57
Nor01	n/a	2 yr ley-4 yr crop	n/a	1953	0-20	20	3.80
Nor01	n/a	2 yr ley-4 yr crop	n/a	1966	0-20	20	3.60
Nor01	n/a	2 yr ley-4 yr crop	n/a	1972	0-20	20	3.55
Nor01	n/a	2 yr ley-4 yr crop	n/a	1978	0-20	20	3.47
Nor01	n/a	2 yr ley-4 yr crop	n/a	1984	0-20	20	3.60
Nor01	n/a	2 yr ley-4 yr crop	FYM 60t/ha	1953	0-20	20	3.80
Nor01	n/a	2 yr ley-4 yr crop	FYM 60t/ha	1966	0-20	20	3.63
Nor01	n/a	2 yr ley-4 yr crop	FYM 60t/ha	1972	0-20	20	3.60
Nor01	n/a	2 yr ley-4 yr crop	FYM 60t/ha	1978	0-20	20	3.54
Nor01	n/a	2 yr ley-4 yr crop	FYM 60t/ha	1984	0-20	20	3.67
Nor01	n/a	4 yr ley-2 yr crop	n/a	1953	0-20	20	3.80
Nor01	n/a	4 yr ley-2 yr crop	n/a	1966	0-20	20	3.73
Nor01	n/a	4 yr ley-2 yr crop	n/a	1972	0-20	20	3.76

Nor01	n/a	4 yr ley-2 yr crop	n/a	1978	0-20	20	3.47
Nor01	n/a	4 yr ley-2 yr crop	n/a	1984	0-20	20	3.82
Nor01	n/a	4 yr ley-2 yr crop	FYM 60t/ha	1953	0-20	20	3.80
Nor01	n/a	4 yr ley-2 yr crop	FYM 60t/ha	1966	0-20	20	3.82
Nor01	n/a	4 yr ley-2 yr crop	FYM 60t/ha	1972	0-20	20	3.92
Nor01	n/a	4 yr ley-2 yr crop	FYM 60t/ha	1978	0-20	20	3.82
Nor01	n/a	4 yr ley-2 yr crop	FYM 60t/ha	1984	0-20	20	3.96
Nor01	n/a	continuous cereal	low NPK	1984	0-20	20	3.34
Nor01	n/a	continuous cereal	med NPK	1984	0-20	20	3.41
Nor01	n/a	continuous cereal	med NPK+straw	1984	0-20	20	3.57
Nor01	n/a	continuous cereal	FYM+NPK	1984	0-20	20	3.56
Nor01	n/a	3 yr cereal-3 yr row crop	low NPK	1984	0-20	20	3.27
Nor01	n/a	3 yr cereal-3 yr row crop	med NPK	1984	0-20	20	3.35
Nor01	n/a	3 yr cereal-3 yr row crop	med NPK+straw	1984	0-20	20	3.48
Nor01	n/a	3 yr cereal-3 yr row crop	FYM+NPK	1984	0-20	20	3.52
Nor01	n/a	2 yr ley-4 yr crop	low NPK	1984	0-20	20	3.34
Nor01	n/a	2 yr ley-4 yr crop	med NPK	1984	0-20	20	3.60
Nor01	n/a	2 yr ley-4 yr crop	med NPK+straw	1984	0-20	20	
Nor01	n/a	2 yr ley-4 yr crop	FYM+NPK	1984	0-20	20	3.69
Nor01	n/a	4 yr ley-2 yr crop	low NPK	1984	0-20	20	3.65
Nor01	n/a	4 yr ley-2 yr crop	med NPK	1984	0-20	20	3.81
Nor01	n/a	4 yr ley-2 yr crop	med NPK+straw	1984	0-20	20	
Nor01	n/a	4 yr ley-2 yr crop	FYM+NPK	1984	0-20	20	3.96
Nor02	CT	barley-oats	n/a	1989	0-5	5	2.30
Nor02	CT	barley-oats	n/a	1989	10-20	10	2.30
Nor02	RT	barley-oats	n/a	1989	0-5	5	2.80
Nor02	RT	barley-oats	n/a	1989	10-20	10	2.30
Nor01	n/a	barley-oats	50 kg N/ha	1989	0-5	5	2.50
Nor01	n/a	barley-oats	50 kg N/ha	1989	10-20	10	2.30
Nor01	n/a	barley-oats	100 kg N	1989	0-5	5	2.60
Nor01	n/a	barley-oats	100 kg N	1989	10-20	10	2.30
IA01	CT	sod (fencerow)	0	1990	0-15	15	4.61
IA01	CT	corn	0	1990	0-15	15	2.53
IA01	CT	corn	180 kg N/ha	1990	0-15	15	2.94
IA01	CT	corn-soybean	180	1990	0-15	15	2.82
IA01	CT	corn-corn-oat-grass	180	1990	0-15	15	3.21

IA01	CT	corn-alfalfa-grass-grass	180	1990	0-15	15	3.23	
IA02	CT	sod (fencerow)	0	1990	0-15	15	3.64	
IA02	CT	corn grain	0	1990	0-15	15	1.85	
IA02	CT	corn grain	180	1990	0-15	15	1.89	
IA02	CT	corn silage	0	1990	0-15	15	2.09	
IA02	CT	corn silage	180 kg N/ha	1990	0-15	15	2.11	
IA02	CT	corn-soybean	180	1990	0-15	15	1.97	
IA02	CT	corn-corn-oat-grass	180	1990	0-15	15	2.19	
IA03	CT	corn grain	0	1957	0-15	15	2.75	
IA03	CT	corn grain	200	1957	0-15	15	2.72	
IA03	CT	corn silage	0	1957	0-15	15	2.88	
IA03	CT	corn silage	200	1957	0-15	15	2.86	
IA03	CT	corn-soybean	200	1957	0-15	15	2.81	
IA03	CT	corn-corn-oat-grass	135	1957	0-15	15	2.95	
IA03	CT	corn-alfalfa-grass-grass	135	1957	0-15	15	2.80	
IA03	CT	sod (fencerow)	0	1990	0-15	15	3.56	
IA03	CT	corn grain	0	1990	0-15	15	2.15	
IA03	CT	corn grain	200	1990	0-15	15	2.32	
IA03	CT	corn silage	0	1990	0-15	15	2.35	
IA03	CT	corn silage	200	1990	0-15	15	2.57	
IA03	CT	corn-soybean	200	1990	0-15	15	2.37	
IA03	CT	corn-corn-oat-grass	135	1990	0-15	15	2.72	
IA03	CT	corn-alfalfa-grass-grass	135	1990	0-15	15	2.79	
IA04	RT	corn-soybean	n/a	1992	0-15	15		5377
IA04	NT	corn-soybean	n/a	1992	0-15	15		4710
IA04	RT	corn-soybean	n/a	1996	0-2	2		760
IA04	RT	corn-soybean	n/a	1996	2-4	2		670
IA04	RT	corn-soybean	n/a	1996	4-6	2		656
IA04	RT	corn-soybean	n/a	1996	6-8	2		650
IA04	RT	corn-soybean	n/a	1996	8-10	2		638
IA04	RT	corn-soybean	n/a	1996	10-12	2		636
IA04	RT	corn-soybean	n/a	1996	12-14	2		616
IA04	RT	corn-soybean	n/a	1996	14-16	2		614
IA04	NT	corn-soybean	n/a	1996	0-2	2		844
IA04	NT	corn-soybean	n/a	1996	2-4	2		860
IA04	NT	corn-soybean	n/a	1996	4-6	2		820

IA04	NT	corn-soybean	n/a	1996	6-8	2		820
IA04	NT	corn-soybean	n/a	1996	8-10	2		836
IA04	NT	corn-soybean	n/a	1996	10-12	2		796
IA04	NT	corn-soybean	n/a	1996	12-14	2		786
IA04	NT	corn-soybean	n/a	1996	14-16	2		784
NE03a	CT	corn	0	1984	0-7.5	7.5	1.72	
NE03a	CT	corn	0	1984	7.5-15	7.5	1.43	
NE03a	CT	corn	0	1984	15-30	15	1.10	
NE03a	CT	soybean	0	1984	0-7.5	7.5	1.68	
NE03a	CT	soybean	0	1984	7.5-15	7.5	1.53	
NE03a	CT	soybean	0	1984	15-30	15	1.32	
NE03a	CT	sorghum	0	1984	0-7.5	7.5	1.66	
NE03a	CT	sorghum	0	1984	7.5-15	7.5	1.47	
NE03a	CT	sorghum	0	1984	15-30	15	1.23	
NE03a	CT	corn-soybean	0	1984	0-7.5	7.5	1.64	
NE03a	CT	corn-soybean	0	1984	7.5-15	7.5	1.46	
NE03a	CT	corn-soybean	0	1984	15-30	15	1.23	
NE03a	CT	sorghum-soybean	0	1984	0-7.5	7.5	1.62	
NE03a	CT	sorghum-soybean	0	1984	7.5-15	7.5	1.42	
NE03a	CT	sorghum-soybean	0	1984	15-30	15	1.06	
NE03a	CT	corn-oat-sorghum-soybean	0	1984	0-7.5	7.5	1.76	
NE03a	CT	corn-oat-sorghum-soybean	0	1984	7.5-15	7.5	1.52	
NE03a	CT	corn-oat-sorghum-soybean	0	1984	15-30	15	1.27	
NE03a	CT	corn-soybean-sorghum-oat	0	1984	0-7.5	7.5	1.67	
NE03a	CT	corn-soybean-sorghum-oat	0	1984	7.5-15	7.5	1.45	
NE03a	CT	corn-soybean-sorghum-oat	0	1984	15-30	15	1.17	
NE03a	CT	corn	0	1992	0-7.5	7.5	1.63	
NE03a	CT	corn	0	1992	7.5-15	7.5	1.45	
NE03a	CT	corn	0	1992	15-30	15	1.12	
NE03a	CT	soybean	0	1992	0-7.5	7.5	1.63	
NE03a	CT	soybean	0	1992	7.5-15	7.5	1.49	
NE03a	CT	soybean	0	1992	15-30	15	1.30	
NE03a	CT	sorghum	0	1992	0-7.5	7.5	1.68	
NE03a	CT	sorghum	0	1992	7.5-15	7.5	1.48	
NE03a	CT	sorghum	0	1992	15-30	15	1.22	
NE03a	CT	corn-soybean	0	1992	0-7.5	7.5	1.64	

NE03a	CT	corn-soybean	0	1992	7.5-15	7.5	1.43
NE03a	CT	corn-soybean	0	1992	15-30	15	1.25
NE03a	CT	sorghum-soybean	0	1992	0-7.5	7.5	1.65
NE03a	CT	sorghum-soybean	0	1992	7.5-15	7.5	1.43
NE03a	CT	sorghum-soybean	0	1992	15-30	15	1.05
NE03a	CT	corn-oat-sorghum-soybean	0	1992	0-7.5	7.5	1.85
NE03a	CT	corn-oat-sorghum-soybean	0	1992	7.5-15	7.5	1.53
NE03a	CT	corn-oat-sorghum-soybean	0	1992	15-30	15	1.29
NE03a	CT	corn-soybean-sorghum-oat	0	1992	0-7.5	7.5	1.75
NE03a	CT	corn-soybean-sorghum-oat	0	1992	7.5-15	7.5	1.43
NE03a	CT	corn-soybean-sorghum-oat	0	1992	15-30	15	1.12
NE03a	CT	corn	90	1992	0-7.5	7.5	1.74
NE03a	CT	corn	90	1992	7.5-15	7.5	1.43
NE03a	CT	corn	90	1992	15-30	15	1.10
NE03a	CT	soybean	34	1992	0-7.5	7.5	1.68
NE03a	CT	soybean	34	1992	7.5-15	7.5	1.51
NE03a	CT	soybean	34	1992	15-30	15	1.29
NE03a	CT	sorghum	90	1992	0-7.5	7.5	1.78
NE03a	CT	sorghum	90	1992	7.5-15	7.5	1.50
NE03a	CT	sorghum	90	1992	15-30	15	1.16
NE03a	CT	corn-soybean	34	1992	0-7.5	7.5	1.67
NE03a	CT	corn-soybean	34	1992	7.5-15	7.5	1.46
NE03a	CT	corn-soybean	34	1992	15-30	15	1.22
NE03a	CT	sorghum-soybean	34	1992	0-7.5	7.5	1.65
NE03a	CT	sorghum-soybean	34	1992	7.5-15	7.5	1.41
NE03a	CT	sorghum-soybean	34	1992	15-30	15	1.06
NE03a	CT	corn-oat-sorghum-soybean	34	1992	0-7.5	7.5	1.85
NE03a	CT	corn-oat-sorghum-soybean	34	1992	7.5-15	7.5	1.51
NE03a	CT	corn-oat-sorghum-soybean	34	1992	15-30	15	1.24
NE03a	CT	corn-soybean-sorghum-oat	34	1992	0-7.5	7.5	1.78
NE03a	CT	corn-soybean-sorghum-oat	34	1992	7.5-15	7.5	1.45
NE03a	CT	corn-soybean-sorghum-oat	34	1992	15-30	15	1.14
NE03a	CT	corn	180	1992	0-7.5	7.5	1.80
NE03a	CT	corn	180	1992	7.5-15	7.5	1.50
NE03a	CT	corn	180	1992	15-30	15	1.09
NE03a	CT	soybean	68	1992	0-7.5	7.5	1.67

NE03a	CT	soybean	68	1992	7.5-15	7.5	1.51	
NE03a	CT	soybean	68	1992	15-30	15	1.28	
NE03a	CT	sorghum	180	1992	0-7.5	7.5	1.83	
NE03a	CT	sorghum	180	1992	7.5-15	7.5	1.47	
NE03a	CT	sorghum	180	1992	15-30	15	1.15	
NE03a	CT	corn-soybean	68	1992	0-7.5	7.5	1.66	
NE03a	CT	corn-soybean	68	1992	7.5-15	7.5	1.44	
NE03a	CT	corn-soybean	68	1992	15-30	15	1.19	
NE03a	CT	sorghum-soybean	68	1992	0-7.5	7.5	1.71	
NE03a	CT	sorghum-soybean	68	1992	7.5-15	7.5	1.43	
NE03a	CT	sorghum-soybean	68	1992	15-30	15	1.07	
NE03a	CT	corn-oat-sorghum-soybean	68	1992	0-7.5	7.5	1.90	
NE03a	CT	corn-oat-sorghum-soybean	68	1992	7.5-15	7.5	1.54	
NE03a	CT	corn-oat-sorghum-soybean	68	1992	15-30	15	1.24	
NE03a	CT	corn-soybean-sorghum-oat	68	1992	0-7.5	7.5	1.81	
NE03a	CT	corn-soybean-sorghum-oat	68	1992	7.5-15	7.5	1.45	
NE03a	CT	corn-soybean-sorghum-oat	68	1992	15-30	15	1.16	
Aus01	CT	wheat-barley	0	1981	0-10	10	1.71	
Aus01	CT	wheat-barley	23	1981	0-10	10	1.74	
Aus01	CT	wheat-barley	69	1981	0-10	10	1.79	
Aus01	CT	wheat-barley	0	1988	0-10	10	1.76	
Aus01	CT	wheat-barley	23	1988	0-10	10	1.79	
Aus01	CT	wheat-barley	69	1988	0-10	10	1.87	
Aus01	NT	wheat-barley	0	1981	0-10	10	1.72	
Aus01	NT	wheat-barley	23	1981	0-10	10	1.92	
Aus01	NT	wheat-barley	69	1981	0-10	10	1.94	
Aus01	NT	wheat-barley	0	1988	0-10	10	1.77	
Aus01	NT	wheat-barley	23	1988	0-10	10	1.81	
Aus01	NT	wheat-barley	69	1988	0-10	10	1.83	
Aus01	CT	wheat-barley	combined	1981	0-10	10		1672
Aus01	CT	wheat-barley	combined	1981	10-20	10		3447
Aus01	CT	wheat-barley	combined	1981	20-30	10		5151
Aus01	CT	wheat-barley	combined	1981	30-60	30		10036
Aus01	CT	wheat-barley	combined	1981	60-90	30		13824
Aus01	CT	wheat-barley	combined	1981	90-120	30		16963
Aus01	NT	wheat-barley	combined	1981	0-10	10		1812

Aus01	NT	wheat-barley	combined	1981	10-20	10		3583
Aus01	NT	wheat-barley	combined	1981	20-30	10		5330
Aus01	NT	wheat-barley	combined	1981	30-60	30		10278
Aus01	NT	wheat-barley	combined	1981	60-90	30		14242
Aus01	NT	wheat-barley	combined	1981	90-120	30		17446
Arg01	CT	soybean		1992	0-5	5	1.50	
Arg01	CT	soybean		1992	5-10	5	1.50	
Arg01	CT	soybean		1992	10-15	5	1.60	
Arg01	RT	soybean		1992	0-5	5	1.70	
Arg01	RT	soybean		1992	5-10	5	1.70	
Arg01	RT	soybean		1992	10-15	5	1.70	
Arg01	NT	soybean		1992	0-5	5	2.30	
Arg01	NT	soybean		1992	5-10	5	1.70	
Arg01	NT	soybean		1992	10-15	5	1.60	
Arg02	CT	wheat	no N	1995	0-17	17	2.97	
Arg02	CT	wheat-soybean	no N	1995	0-17	17	3.03	
Arg02	CT	soybean-wheat	no N	1995	0-17	17	3.01	
Arg02	CT	wheat-sunflower	no N	1995	0-17	17	3.20	
Arg02	CT	sunflower-wheat	no N	1995	0-17	17	3.27	
Arg02	CT	wheat-corn	no N	1995	0-17	17	3.26	
Arg02	CT	corn-wheat	no N	1995	0-17	17	3.29	
Arg02	CT	soybean	no N	1995	0-17	17	2.40	
Arg02	CT	soybean-sunflower	no N	1995	0-17	17	2.68	
Arg02	CT	sunflower-soybean	no N	1995	0-17	17	2.83	
Arg02	CT	sunflower	no N	1995	0-17	17	2.92	
Arg02	CT	soybean-corn	no N	1995	0-17	17	2.91	
Arg02	CT	corn-soybean	no N	1995	0-17	17	2.96	
Arg02	CT	sunflower-corn	no N	1995	0-17	17	3.24	
Arg02	CT	corn-sunflower	no N	1995	0-17	17	3.18	
Arg02	CT	corn	no N	1995	0-17	17	3.23	
Arg02	CT	wheat	N	1995	0-17	17	3.20	
Arg02	CT	wheat-soybean	N	1995	0-17	17	3.25	
Arg02	CT	soybean-wheat	N	1995	0-17	17	3.30	
Arg02	CT	wheat-sunflower	N	1995	0-17	17	3.39	
Arg02	CT	sunflower-wheat	N	1995	0-17	17	3.44	
Arg02	CT	wheat-corn	N	1995	0-17	17	3.47	

Arg02	CT	corn-wheat	N	1995	0-17	17	3.51	
Arg02	CT	soybean	N	1995	0-17	17	2.41	
Arg02	CT	soybean-sunflower	N	1995	0-17	17	2.92	
Arg02	CT	sunflower-soybean	N	1995	0-17	17	3.15	
Arg02	CT	sunflower	N	1995	0-17	17	3.16	
Arg02	CT	soybean-corn	N	1995	0-17	17	3.24	
Arg02	CT	corn-soybean	N	1995	0-17	17	3.29	
Arg02	CT	sunflower-corn	N	1995	0-17	17	3.41	
Arg02	CT	corn-sunflower	N	1995	0-17	17	3.38	
Arg02	CT	corn	N	1995	0-17	17	3.44	
Arg03	n/a	wheat	no fert.	1989	0-7	7		1380
Arg03	n/a	wheat	no fert.	1989	7-14	7		1280
Arg03	n/a	wheat	no fert.	1989	14-21	7		1360
Arg03	n/a	wheat	fert.	1989	0-7	7		1540
Arg03	n/a	wheat	fert.	1989	7-14	7		1450
Arg03	n/a	wheat	fert.	1989	14-21	7		1380
Arg03	n/a	wheat-pasture	no fert.	1989	0-7	7		1700
Arg03	n/a	wheat-pasture	no fert.	1989	7-14	7		1580
Arg03	n/a	wheat-pasture	no fert.	1989	14-21	7		1050
Arg03	n/a	wheat-pasture	fert.	1989	0-7	7		1390
Arg03	n/a	wheat-pasture	fert.	1989	7-14	7		1760
Arg03	n/a	wheat-pasture	fert.	1989	14-21	7		1400
Arg03	n/a	wheat-legume	no fert.	1989	0-7	7		1720
Arg03	n/a	wheat-legume	no fert.	1989	7-14	7		1580
Arg03	n/a	wheat-legume	no fert.	1989	14-21	7		1110
Arg03	n/a	wheat-legume	fert.	1989	0-7	7		1790
Arg03	n/a	wheat-legume	fert.	1989	7-14	7		1830
Arg03	n/a	wheat-legume	fert.	1989	14-21	7		1510
Zea01	CT	maize-oat	maize	1988	0-5	5	2.34	
Zea01	CT	maize-oat	maize	1988	5-10	5	2.33	
Zea01	CT	maize-oat	maize	1988	10-20	10	2.13	
Zea01	RT	maize-oat	maize	1988	0-5	5	2.77	
Zea01	RT	maize-oat	maize	1988	5-10	5	2.68	
Zea01	RT	maize-oat	maize	1988	10-20	10	2.15	
Zea01	NT	maize-oat	maize	1988	0-5	5	2.98	
Zea01	NT	maize-oat	maize	1988	5-10	5	2.06	

Zea01	NT	maize-oat	maize	1988	10-20	10	2.03	
Zea01	N/A	grass	N/A	1988	0-5	5	4.03	
Zea01	N/A	grass	N/A	1988	5-10	5	2.95	
Zea01	N/A	grass	N/A	1988	10-20	10	1.93	
Zea02	initial	wheat-barley	Lismore site	1986	0-15	15		5420
Zea02	CT	wheat-barley	Lismore site	1986	0-15	15		3890
Zea02	NT	wheat-barley	Lismore site	1986	0-15	15		4530
Eng03	CT	barley		1975	0-5	5	1.63	
Eng03	CT	barley		1975	5-10	5	1.63	
Eng03	CT	barley		1975	10-15	5	1.63	
Eng03	CT	barley		1975	15-20	5	1.63	
Eng03	CT	barley		1977	0-5	5	1.51	
Eng03	CT	barley		1977	5-10	5	1.51	
Eng03	CT	barley		1977	10-15	5	1.51	
Eng03	CT	barley		1977	15-20	5	1.51	
Eng03	CT	barley		1979	0-5	5	1.51	
Eng03	CT	barley		1979	5-10	5	1.57	
Eng03	CT	barley		1979	10-15	5	1.51	
Eng03	CT	barley		1979	15-20	5	1.51	
Eng03	NT	barley		1975	0-5	5	1.80	
Eng03	NT	barley		1975	5-10	5	1.63	
Eng03	NT	barley		1975	10-15	5	1.57	
Eng03	NT	barley		1975	15-20	5	1.57	
Eng03	NT	barley		1977	0-5	5	1.80	
Eng03	NT	barley		1977	5-10	5	1.51	
Eng03	NT	barley		1977	10-15	5	1.51	
Eng03	NT	barley		1977	15-20	5	1.51	
Eng03	NT	barley		1979	0-5	5	1.92	
Eng03	NT	barley		1979	5-10	5	1.74	
Eng03	NT	barley		1979	10-15	5	1.57	
Eng03	NT	barley		1979	15-20	5	1.57	
Alb02c	CT	wheat-fallow	wheat	1992	0-5	5		920
Alb02c	CT	wheat-fallow	wheat	1992	5-10	5		1060
Alb02c	CT	wheat-fallow	wheat	1992	10-15	5		970
Alb02c	CT	wheat-fallow	wheat	1992	15-20	5		760
Alb02c	NT	wheat-fallow	wheat	1992	0-5	5		950

Alb02c	NT	wheat-fallow	wheat	1992	5-10	5		910
Alb02c	NT	wheat-fallow	wheat	1992	10-15	5		820
Alb02c	NT	wheat-fallow	wheat	1992	15-20	5		710
IN01	CT	corn		1980	0-10	10	1.50	
IN01	NT	corn		1980	0-10	10	1.90	
IN02	CT	corn-soybean		1982	0-7.5	10	2.36	
IN02	NT	corn-soybean		1982	0-7.5	10	2.76	
Aus02	CT	wheat-lupin		1989	0-5	5		1211
Aus02	CT	wheat-lupin		1989	5-10	5		1228
Aus02	CT	wheat-lupin		1989	10-15	5		1079
Aus02	CT	wheat-lupin		1989	15-20	5		673
Aus02	RT	wheat-lupin		1989	0-5	5		1253
Aus02	RT	wheat-lupin		1989	5-10	5		1301
Aus02	RT	wheat-lupin		1989	10-15	5		979
Aus02	RT	wheat-lupin		1989	15-20	5		596
Aus02	NT	wheat-lupin		1989	0-5	5		1637
Aus02	NT	wheat-lupin		1989	5-10	5		1522
Aus02	NT	wheat-lupin		1989	10-15	5		947
Aus02	NT	wheat-lupin		1989	15-20	5		654
MS01	CT	corn		1988	0-2.5	2.5	1.17	
MS01	CT	corn		1988	2.5-7.6	5.1	1.09	
MS01	CT	corn		1988	7.6-15.2	7.6	0.63	
MS01	NT	corn		1988	0-2.5	2.5	1.11	
MS01	NT	corn		1988	2.5-7.6	5.1	1.10	
MS01	NT	corn		1988	7.6-15.2	7.6	0.84	
MS01	CT	corn		1992	0-2.5	2.5	1.11	
MS01	CT	corn		1992	2.5-7.6	5.1	0.96	
MS01	CT	corn		1992	7.6-15.2	7.6	0.62	
MS01	NT	corn		1992	0-2.5	2.5	1.86	
MS01	NT	corn		1992	2.5-7.6	5.1	0.94	
MS01	NT	corn		1992	7.6-15.2	7.6	0.61	
MS01	CT	corn		1996	0-2.5	2.5	1.08	
MS01	CT	corn		1996	2.5-7.6	5.1	0.87	
MS01	CT	corn		1996	7.6-15.2	7.6	0.53	
MS01	NT	corn		1996	0-2.5	2.5	1.84	
MS01	NT	corn		1996	2.5-7.6	5.1	0.99	

MS01	NT	corn	1996	7.6-15.2	7.6	0.60
MS01	CT	cotton	1988	0-2.5	2.5	1.10
MS01	CT	cotton	1988	2.5-7.6	5.1	1.04
MS01	CT	cotton	1988	7.6-15.2	7.6	0.57
MS01	NT	cotton	1988	0-2.5	2.5	1.11
MS01	NT	cotton	1988	2.5-7.6	5.1	1.04
MS01	NT	cotton	1988	7.6-15.2	7.6	0.57
MS01	CT	cotton	1992	0-2.5	2.5	0.94
MS01	CT	cotton	1992	2.5-7.6	5.1	0.80
MS01	CT	cotton	1992	7.6-15.2	7.6	0.62
MS01	NT	cotton	1992	0-2.5	2.5	1.85
MS01	NT	cotton	1992	2.5-7.6	5.1	0.92
MS01	NT	cotton	1992	7.6-15.2	7.6	0.58
MS01	CT	cotton	1996	0-2.5	2.5	0.91
MS01	CT	cotton	1996	2.5-7.6	5.1	0.92
MS01	CT	cotton	1996	7.6-15.2	7.6	0.56
MS01	NT	cotton	1996	0-2.5	2.5	2.12
MS01	NT	cotton	1996	2.5-7.6	5.1	0.90
MS01	NT	cotton	1996	7.6-15.2	7.6	0.51
MS01	CT	soybean	1988	0-2.5	2.5	1.19
MS01	CT	soybean	1988	2.5-7.6	5.1	1.03
MS01	CT	soybean	1988	7.6-15.2	7.6	0.56
MS01	NT	soybean	1988	0-2.5	2.5	1.10
MS01	NT	soybean	1988	2.5-7.6	5.1	1.02
MS01	NT	soybean	1988	7.6-15.2	7.6	0.58
MS01	CT	soybean	1992	0-2.5	2.5	1.09
MS01	CT	soybean	1992	2.5-7.6	5.1	1.01
MS01	CT	soybean	1992	7.6-15.2	7.6	0.63
MS01	NT	soybean	1992	0-2.5	2.5	2.47
MS01	NT	soybean	1992	2.5-7.6	5.1	0.97
MS01	NT	soybean	1992	7.6-15.2	7.6	0.51
MS01	CT	soybean	1996	0-2.5	2.5	1.03
MS01	CT	soybean	1996	2.5-7.6	5.1	0.89
MS01	CT	soybean	1996	7.6-15.2	7.6	0.49
MS01	NT	soybean	1996	0-2.5	2.5	2.30
MS01	NT	soybean	1996	2.5-7.6	5.1	0.97

MS01	NT	soybean		1996	7.6-15.2	7.6	0.55	
IL03	CT	corn-soybean		1994-1995	0-5	5	1.48	
IL03	CT	corn-soybean		1994-1995	5-15	10	1.50	
IL03	CT	corn-soybean		1994-1995	15-30	15	1.14	
IL03	RT	corn-soybean		1994-1995	0-5	5	1.71	
IL03	RT	corn-soybean		1994-1995	5-15	10	1.44	
IL03	RT	corn-soybean		1994-1995	15-30	15	1.16	
IL03	NT	corn-soybean		1994-1995	0-5	5	1.96	
IL03	NT	corn-soybean		1994-1995	5-15	10	1.4	
IL03	NT	corn-soybean		1994-1995	15-30	15	1.18	
IL03	CT	corn-soybean		1997	0-5	5	1.56	
IL03	CT	corn-soybean		1997	5-10	5	1.40	
IL03	CT	corn-soybean		1997	10-20	10	1.39	
IL03	CT	corn-soybean		1997	20-30	10	1.16	
IL03	CT	corn-soybean		1997	30-40	10	0.54	
IL03	CT	corn-soybean		1997	40-50	10	0.45	
IL03	CT	corn-soybean		1997	50-70	20	0.37	
IL03	CT	corn-soybean		1997	70-90	20	0.31	
IL03	RT	corn-soybean		1997	0-5	5	1.93	
IL03	RT	corn-soybean		1997	5-10	5	1.50	
IL03	RT	corn-soybean		1997	10-20	10	1.46	
IL03	RT	corn-soybean		1997	20-30	10	1.01	
IL03	RT	corn-soybean		1997	30-40	10	0.61	
IL03	RT	corn-soybean		1997	40-50	10	0.49	
IL03	RT	corn-soybean		1997	50-70	20	0.39	
IL03	RT	corn-soybean		1997	70-90	20	0.27	
IL03	NT	corn-soybean		1997	0-5	5	1.93	
IL03	NT	corn-soybean		1997	5-10	5	1.32	
IL03	NT	corn-soybean		1997	10-20	10	1.33	
IL03	NT	corn-soybean		1997	20-30	10	0.91	
IL03	NT	corn-soybean		1997	30-40	10	0.60	
IL03	NT	corn-soybean		1997	40-50	10	0.47	
IL03	NT	corn-soybean		1997	50-70	20	0.35	
IL03	NT	corn-soybean		1997	70-90	20	0.28	
TX03	RT	wheat-sorghum-corn	wheat-112 N		0-20	20		4700
TX03	RT	wheat-sorghum-corn	wheat-28 N		0-20	20		4600

TX03	NT	wheat-sorghum-corn	wheat-112 N		0-20	20	4590
TX03	NT	wheat-sorghum-corn	wheat-28 N		0-20	20	4740
TX03	RT	wheat-sorghum-corn	corn-168 N		0-20	20	4270
TX03	RT	wheat-sorghum-corn	corn-28 N		0-20	20	4230
TX03	NT	wheat-sorghum-corn	corn-168 N		0-20	20	4560
TX03	NT	wheat-sorghum-corn	corn-28 N		0-20	20	4530
TX04	CT	4 yr cotton-4 yr corn	corn	1994	0-20	20	1530
TX04	RT	4 yr cotton-4 yr corn	corn	1994	0-20	20	1890
TX04	NT	4 yr cotton-4 yr corn	corn	1994	0-20	20	2090
TX04	CT	4 yr cotton-4 yr corn	cotton	1994	0-20	20	1980
TX04	RT	4 yr cotton-4 yr corn	cotton	1994	0-20	20	2090
TX04	NT	4 yr cotton-4 yr corn	cotton	1994	0-20	20	2320
Ger02	CT	cereal-corn-beet			0-2.5	2.5	0.70
Ger02	CT	cereal-corn-beet			2.5-5	2.5	0.66
Ger02	CT	cereal-corn-beet			5-10	5	0.59
Ger02	CT	cereal-corn-beet			10-15	5	0.61
Ger02	CT	cereal-corn-beet			15-20	5	0.60
Ger02	CT	cereal-corn-beet			20-25	5	0.62
Ger02	NT	cereal-corn-beet			0-2.5	2.5	1.10
Ger02	NT	cereal-corn-beet			2.5-5	2.5	0.81
Ger02	NT	cereal-corn-beet			5-10	5	0.66
Ger02	NT	cereal-corn-beet			10-15	5	0.59
Ger02	NT	cereal-corn-beet			15-20	5	0.60
Ger02	NT	cereal-corn-beet			20-25	5	0.57
Aus03	NT	wheat		1993	0-2.5	2.5	0.99
Aus03	NT	wheat		1993	2.5-5.0	2.5	0.99
Aus03	NT	wheat		1993	5.0-10.0	5	0.86
Aus03	RT	wheat		1993	0-2.5	2.5	1.01
Aus03	RT	wheat		1993	2.5-5.0	2.5	1.01
Aus03	RT	wheat		1993	5.0-10.0	5	0.85
Aus03	NT	wheat		1994	0-5	5	1.03
Aus03	NT	wheat		1994	5-10	5	0.90
Aus03	RT	wheat		1994	0-5	5	1.02
Aus03	RT	wheat		1994	5-10	5	0.89
NE04	CT	sorghum-soybean	A	1990	0-4	4	1.74
NE04	CT	sorghum-soybean	A	1990	0-8	8	1.69

NE04	RT	sorghum-soybean	A	1990	0-4	4	1.98
NE04	RT	sorghum-soybean	A	1990	0-8	8	1.80
NE04	NT	sorghum-soybean	A	1990	0-4	4	1.98
NE04	NT	sorghum-soybean	A	1990	0-8	8	1.80
NE04	CT	sorghum-soybean	B	1990	0-4	4	1.57
NE04	CT	sorghum-soybean	B	1990	0-8	8	1.63
NE04	RT	sorghum-soybean	B	1990	0-4	4	1.69
NE04	RT	sorghum-soybean	B	1990	0-8	8	1.86
NE04	NT	sorghum-soybean	B	1990	0-4	4	1.69
NE04	NT	sorghum-soybean	B	1990	0-8	8	1.86
Aus04	CT	grass-legume-wheat		1990	0-10	10	0.88
Aus04	CT	grass-legume-wheat		1990	10-20	10	0.59
Aus04	CT	grass-legume-wheat		1990	20-30	10	0.49
Aus04	CT	legume-wheat		1990	0-10	10	0.71
Aus04	CT	legume-wheat		1990	10-20	10	0.55
Aus04	CT	legume-wheat		1990	20-30	10	0.46
Aus04	CT	wheat		1990	0-10	10	0.69
Aus04	CT	wheat		1990	10-20	10	0.54
Aus04	CT	wheat		1990	20-30	10	0.46
Aus04		grass/legume-wheat		1986	0-10	10	0.76
Aus04		grass/legume-wheat		1987	0-10	10	0.79
Aus04		grass/legume-wheat		1988	0-10	10	n.d.
Aus04		grass/legume-wheat		1989	0-10	10	0.78
Aus04		grass/legume-wheat		1990	0-10	10	0.81
Aus04		grass/legume-wheat		1991	0-10	10	0.84
Aus04		grass/legume-wheat		1992	0-10	10	0.77
Aus04		grass/legume-wheat		1993	0-10	10	0.74
Aus04		grass/legume-wheat		1994	0-10	10	0.78
Aus04		legume-wheat		1989	0-10	10	0.72
Aus04		legume-wheat		1990	0-10	10	0.71
Aus04		legume-wheat		1991	0-10	10	0.75
Aus04		legume-wheat		1992	0-10	10	0.69
Aus04		legume-wheat		1993	0-10	10	0.63
Aus04		legume-wheat		1994	0-10	10	0.71
Aus04	CT	wheat	0	1986	0-10	10	0.72
Aus04	CT	wheat	0	1987	0-10	10	0.71

Aus04	CT	wheat	0	1988	0-10	10	n.d.
Aus04	CT	wheat	0	1989	0-10	10	0.70
Aus04	CT	wheat	0	1990	0-10	10	0.70
Aus04	CT	wheat	0	1991	0-10	10	0.70
Aus04	CT	wheat	0	1992	0-10	10	0.69
Aus04	CT	wheat	0	1993	0-10	10	0.69
Aus04	CT	wheat	0	1994	0-10	10	0.69
Aus04	CT	wheat	25	1989	0-10	10	0.74
Aus04	CT	wheat	25	1990	0-10	10	0.68
Aus04	CT	wheat	25	1991	0-10	10	0.71
Aus04	CT	wheat	25	1992	0-10	10	0.67
Aus04	CT	wheat	25	1993	0-10	10	0.63
Aus04	CT	wheat	25	1994	0-10	10	0.69
Aus04	CT	wheat	75	1989	0-10	10	0.74
Aus04	CT	wheat	75	1990	0-10	10	0.71
Aus04	CT	wheat	75	1991	0-10	10	0.76
Aus04	CT	wheat	75	1992	0-10	10	0.71
Aus04	CT	wheat	75	1993	0-10	10	0.68
Aus04	CT	wheat	75	1994	0-10	10	0.69
Aus04	NT	wheat	0	1989	0-10	10	0.72
Aus04	NT	wheat	0	1990	0-10	10	0.67
Aus04	NT	wheat	0	1991	0-10	10	0.76
Aus04	NT	wheat	0	1992	0-10	10	0.70
Aus04	NT	wheat	0	1993	0-10	10	0.64
Aus04	NT	wheat	0	1994	0-10	10	0.66
Aus04	NT	wheat	25	1989	0-10	10	0.72
Aus04	NT	wheat	25	1990	0-10	10	0.68
Aus04	NT	wheat	25	1991	0-10	10	0.80
Aus04	NT	wheat	25	1992	0-10	10	0.69
Aus04	NT	wheat	25	1993	0-10	10	0.64
Aus04	NT	wheat	25	1994	0-10	10	0.71
Aus04	NT	wheat	75	1989	0-10	10	0.70
Aus04	NT	wheat	75	1990	0-10	10	0.70
Aus04	NT	wheat	75	1991	0-10	10	0.77
Aus04	NT	wheat	75	1992	0-10	10	0.66
Aus04	NT	wheat	75	1993	0-10	10	0.66

Aus04	NT	wheat	75	1994	0-10	10	0.76	
Zea03	CT	wheat-pea-clover-rye-grass	Wakanui site	1989	0-5	5	1.70	
Zea03	CT	wheat-pea-clover-rye-grass	Wakanui site	1989	5-10	5	1.89	
Zea03	CT	wheat-pea-clover-rye-grass	Wakanui site	1989	10-15	5	1.29	
Zea03	NT	wheat-pea-clover-rye-grass	Wakanui site	1989	0-5	5	3.30	
Zea03	NT	wheat-pea-clover-rye-grass	Wakanui site	1989	5-10	5	2.96	
Zea03	NT	wheat-pea-clover-rye-grass	Wakanui site	1989	10-15	5	1.98	
Ok01	CT	wheat		1994	0-5	5	1.7	
Ok01	CT	wheat		1994	5-10	5	1.70	
Ok01	CT	wheat		1994	10-20	10	1.75	
Ok01	NT	wheat		1994	0-5	5	2.75	
Ok01	NT	wheat		1994	5-10	5	1.85	
Ok01	NT	wheat		1994	10-20	10	1.80	
Que01	CT	corn		1989	0-8	8		2208
Que01	CT	corn		1989	8-16	8		2544
Que01	CT	corn		1989	16-24	8		2552
Que01	Ridge T	corn		1989	0-8	8		2112
Que01	Ridge T	corn		1989	8-16	8		2448
Que01	Ridge T	corn		1989	16-24	8		2752
Que01	RT	corn		1989	0-8	8		2248
Que01	RT	corn		1989	8-16	8		2632
Que01	RT	corn		1989	16-24	8		2640
ND02	CT	soybean-barley-sunflower-barley	soybean	1985-87	0-7	7	2.33	
ND02	CT	soybean-barley-sunflower-barley	soybean	1985-87	7-15	8	2.38	
ND02	CT	soybean-barley-sunflower-barley	soybean	1985-87	15-30	15	1.80	
ND02	CT	soybean-barley-sunflower-barley	soybean	1985-87	30-45	15	0.87	
ND02	CT	soybean-barley-sunflower-barley	soybean	1985-87	45-60	15	0.81	
ND02	RT	soybean-barley-sunflower-barley	soybean	1985-87	0-7	7	2.56	
ND02	RT	soybean-barley-sunflower-barley	soybean	1985-87	7-15	8	2.44	
ND02	RT	soybean-barley-sunflower-barley	soybean	1985-87	15-30	15	1.74	

ND02	RT	soybean-barley-sunflower-barley	soybean	1985-87	30-45	15	0.99	
ND02	RT	soybean-barley-sunflower-barley	soybean	1985-87	45-60	15	0.81	
ND02	NT	soybean-barley-sunflower-barley	soybean	1985-87	0-7	7	2.62	
ND02	NT	soybean-barley-sunflower-barley	soybean	1985-87	7-15	8	2.38	
ND02	NT	soybean-barley-sunflower-barley	soybean	1985-87	15-30	15	1.80	
ND02	NT	soybean-barley-sunflower-barley	soybean	1985-87	30-45	15	1.11	
ND02	NT	soybean-barley-sunflower-barley	soybean	1985-87	45-60	15	0.87	
IL04	CT	corn-soybean	corn	1981	0-7.5	7.5	1.24	
IL04	CT	corn-soybean	corn	1981	7.5-15	7.5	1.35	
IL04	CT	corn-soybean	corn	1981	15-30	15	0.87	
IL04	NT	corn-soybean	corn	1981	0-7.5	7.5	1.84	
IL04	NT	corn-soybean	corn	1981	7.5-15	7.5	1.38	
IL04	NT	corn-soybean	corn	1981	15-30	15	0.72	
MN02	CT	corn-alfalfa	corn	1980	0-7.5	7.5	3.20	
MN02	CT	corn-alfalfa	corn	1980	7.5-15	7.5	3.48	
MN02	CT	corn-alfalfa	corn	1980	15-30	15		
MN02	NT	corn-alfalfa	corn	1980	0-7.5	7.5	3.81	
MN02	NT	corn-alfalfa	corn	1980	7.5-15	7.5	3.34	
MN02	NT	corn-alfalfa	corn	1980	15-30	15		
MN03	CT	corn		1981	0-7.5	7.5	3.50	
MN03	CT	corn		1981	7.5-15	7.5	4.05	
MN03	CT	corn		1981	15-30	15	2.83	
MN03	NT	corn		1981	0-7.5	7.5	3.92	
MN03	NT	corn		1981	7.5-15	7.5	3.56	
MN03	NT	corn		1981	15-30	15	2.76	
NE02	initial	cultivated ~47 yr		1969	0-7.5	7.5		1420
NE02	initial	cultivated ~47 yr		1969	7.5-15	7.5		1230
NE02	initial	cultivated ~47 yr		1969	15-30	15		1850
NE02	CT	wheat-fallow	wheat	1980	0-7.5	7.5		1040
NE02	CT	wheat-fallow	wheat	1980	7.5-15	7.5		1070
NE02	CT	wheat-fallow	wheat	1980	15-30	15		1430

NE02	RT	wheat-fallow	wheat	1980	0-7.5	7.5		1220
NE02	RT	wheat-fallow	wheat	1980	7.5-15	7.5		1000
NE02	RT	wheat-fallow	wheat	1980	15-30	15		1240
NE02	NT	wheat-fallow	wheat	1980	0-7.5	7.5		1370
NE02	NT	wheat-fallow	wheat	1980	7.5-15	7.5		980
NE02	NT	wheat-fallow	wheat	1980	15-30	15		1200
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1980	0-15	15	2.37	
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1988	0-15	15	2.13	
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1990	0-15	15	2.26	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1980	0-15	15	2.00	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1988	0-15	15	1.73	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1990	0-15	15	1.85	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1980	0-15	15	1.95	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1988	0-15	15	1.71	
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1990	0-15	15	1.94	
NE03b	RT	corn	fertilizer/herbicide	1980	0-15	15	1.91	
NE03b	RT	corn	fertilizer/herbicide	1988	0-15	15	1.70	
NE03b	RT	corn	fertilizer/herbicide	1990	0-15	15	1.71	
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1982	0-7.5	7.5		2140
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1982	7.5-15	7.5		1690
NE03b	RT	Corn-soybean-corn-oat/clover	manure	1982	15-30	15		2678
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1982	0-7.5	7.5		1970
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1982	7.5-15	7.5		1560
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer/herbicide	1982	15-30	15		2678
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1982	0-7.5	7.5		1595
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1982	7.5-15	7.5		1578
NE03b	RT	Corn-soybean-corn-oat/clover	fertilizer	1982	15-30	15		2483
NE03b	RT	corn	fertilizer/herbicide	1982	0-7.5	7.5		1500
NE03b	RT	corn	fertilizer/herbicide	1982	7.5-15	7.5		1500
NE03b	RT	corn	fertilizer/herbicide	1982	15-30	15		2640
Bra01	CT	oat-maize		1994	0-30	30		4460
Bra01	NT	oat-maize		1994	0-30	30		4920
Bra01	CT	oat/vetch-maize/cowpea		1994	0-30	30		5020
Bra01	NT	oat/vetch-maize/cowpea		1994	0-30	30		5660
Fra01	CT	corn		1970	0-5	5	0.99	
Fra01	CT	corn		1970	10-15	10	0.98	

Fra01	CT	corn	1970	20-25	5	0.84
Fra01	CT	corn	1985	0-5	5	1.11
Fra01	CT	corn	1985	5-10	5	1.12
Fra01	CT	corn	1985	10-15	5	1.15
Fra01	CT	corn	1985	15-20	5	1.14
Fra01	CT	corn	1985	20-25	5	1.07
Fra01	CT	corn	1985	25-30	5	0.98
Fra01	CT	corn	1985	30-35	5	0.50
Fra01	NT	corn	1985	0-5	5	2.30
Fra01	NT	corn	1985	5-10	5	1.31
Fra01	NT	corn	1985	10-15	5	1.01
Fra01	NT	corn	1985	15-20	5	0.90
Fra01	NT	corn	1985	20-25	5	0.88
Fra01	NT	corn	1985	25-30	5	0.83
Fra01	NT	corn	1985	30-35	5	0.57
MT01	CT	wheat	1983	0-7.5	7.5	1.58
MT01	CT	wheat	1983	7.5-15	7.5	1.27
MT01	CT	wheat	1985	0-7.5	7.5	1.46
MT01	CT	wheat	1985	7.5-15	7.5	1.21
MT01	CT	wheat	1986	0-7.5	7.5	1.59
MT01	CT	wheat	1986	7.5-15	7.5	1.32
MT01	CT	wheat	1987	0-7.5	7.5	1.30
MT01	CT	wheat	1987	7.5-15	7.5	1.22
MT01	CT	wheat	1988	0-7.5	7.5	1.28
MT01	CT	wheat	1988	7.5-15	7.5	1.04
MT01	CT	wheat	1989	0-7.5	7.5	1.18
MT01	CT	wheat	1989	7.5-15	7.5	1.09
MT01	CT	wheat	1990	0-7.5	7.5	1.30
MT01	CT	wheat	1990	7.5-15	7.5	1.16
MT01	CT	wheat	1991	0-7.5	7.5	1.55
MT01	CT	wheat	1991	7.5-15	7.5	1.28
MT01	CT	wheat	1992	0-7.5	7.5	1.21
MT01	CT	wheat	1992	7.5-15	7.5	1.02
MT01	RT	wheat	1983	0-7.5	7.5	1.44
MT01	RT	wheat	1983	7.5-15	7.5	1.17
MT01	RT	wheat	1985	0-7.5	7.5	1.52

MT01	RT	wheat	1985	7.5-15	7.5	1.17
MT01	RT	wheat	1986	0-7.5	7.5	1.40
MT01	RT	wheat	1986	7.5-15	7.5	1.20
MT01	RT	wheat	1987	0-7.5	7.5	1.33
MT01	RT	wheat	1987	7.5-15	7.5	1.23
MT01	RT	wheat	1988	0-7.5	7.5	1.39
MT01	RT	wheat	1988	7.5-15	7.5	1.13
MT01	RT	wheat	1989	0-7.5	7.5	1.24
MT01	RT	wheat	1989	7.5-15	7.5	1.05
MT01	RT	wheat	1990	0-7.5	7.5	1.56
MT01	RT	wheat	1990	7.5-15	7.5	1.07
MT01	RT	wheat	1991	0-7.5	7.5	1.37
MT01	RT	wheat	1991	7.5-15	7.5	1.08
MT01	RT	wheat	1992	0-7.5	7.5	1.35
MT01	RT	wheat	1992	7.5-15	7.5	1.17
MT01	NT	wheat	1983	0-7.5	7.5	1.37
MT01	NT	wheat	1983	7.5-15	7.5	1.17
MT01	NT	wheat	1985	0-7.5	7.5	1.34
MT01	NT	wheat	1985	7.5-15	7.5	1.21
MT01	NT	wheat	1986	0-7.5	7.5	1.30
MT01	NT	wheat	1986	7.5-15	7.5	0.93
MT01	NT	wheat	1987	0-7.5	7.5	1.47
MT01	NT	wheat	1987	7.5-15	7.5	1.01
MT01	NT	wheat	1988	0-7.5	7.5	1.30
MT01	NT	wheat	1988	7.5-15	7.5	1.17
MT01	NT	wheat	1989	0-7.5	7.5	1.33
MT01	NT	wheat	1989	7.5-15	7.5	1.10
MT01	NT	wheat	1990	0-7.5	7.5	1.27
MT01	NT	wheat	1990	7.5-15	7.5	1.05
MT01	NT	wheat	1991	0-7.5	7.5	1.51
MT01	NT	wheat	1991	7.5-15	7.5	1.06
MT01	NT	wheat	1992	0-7.5	7.5	1.23
MT01	NT	wheat	1992	7.5-15	7.5	1.08
MT01	CT	wheat-barley	1983	0-7.5	7.5	1.52
MT01	CT	wheat-barley	1983	7.5-15	7.5	1.29
MT01	CT	wheat-barley	1985	0-7.5	7.5	1.14

MT01	CT	wheat-barley		1985	7.5-15	7.5	0.92	
MT01	CT	wheat-barley		1986	0-7.5	7.5	1.41	
MT01	CT	wheat-barley		1986	7.5-15	7.5	1.19	
MT01	CT	wheat-barley		1987	0-7.5	7.5	1.25	
MT01	CT	wheat-barley		1987	7.5-15	7.5	1.15	
MT01	CT	wheat-barley		1988	0-7.5	7.5	1.40	
MT01	CT	wheat-barley		1988	7.5-15	7.5	1.01	
MT01	CT	wheat-barley		1989	0-7.5	7.5	1.30	
MT01	CT	wheat-barley		1989	7.5-15	7.5	0.98	
MT01	CT	wheat-barley		1990	0-7.5	7.5	1.30	
MT01	CT	wheat-barley		1990	7.5-15	7.5	1.13	
MT01	CT	wheat-barley		1991	0-7.5	7.5	1.31	
MT01	CT	wheat-barley		1991	7.5-15	7.5	1.07	
MT01	CT	wheat-barley		1992	0-7.5	7.5	1.24	
MT01	CT	wheat-barley		1992	7.5-15	7.5	0.92	
Ont01	CT	maize	fertilized	1994	0-10	10		2690
Ont01	CT	maize	fertilized	1994	10-20	10		2870
Ont01	CT	maize	fertilized	1994	20-40	20		3650
Ont01	CT	maize	fertilized	1994	40-70	30		2350
Ont01	CT	maize	unfertilized	1994	0-10	10		2310
Ont01	CT	maize	unfertilized	1994	10-20	10		2830
Ont01	CT	maize	unfertilized	1994	20-40	20		3030
Ont01	CT	maize	unfertilized	1994	40-70	30		2750
Ont01	CT	maize-oat-alfalfa-alfalfa	fertilized	1994	0-10	10		2710
Ont01	CT	maize-oat-alfalfa-alfalfa	fertilized	1994	10-20	10		2880
Ont01	CT	maize-oat-alfalfa-alfalfa	fertilized	1994	20-40	20		4780
Ont01	CT	maize-oat-alfalfa-alfalfa	fertilized	1994	40-70	30		2580
Ont01	CT	maize-oat-alfalfa-alfalfa	unfertilized	1994	0-10	10		2780
Ont01	CT	maize-oat-alfalfa-alfalfa	unfertilized	1994	10-20	10		2910
Ont01	CT	maize-oat-alfalfa-alfalfa	unfertilized	1994	20-40	20		5190
Ont01	CT	maize-oat-alfalfa-alfalfa	unfertilized	1994	40-70	30		2490

[1]CT = Conventional Tillage (use of moldboard plow and other secondary tillage operation), RT = Reduced Tillage (no use of moldboard plow, includes disking and conservation tillage practices such as strip till and mulch till), NT = No Tillage (soil is not tilled), n/a = Not Applicable (not recorded and not used in subsequent analyses)

[2]Crop type or sequence of crop rotation used in experiment

[3]Indicates nitrogen fertilizer application rate (kg/ha/yr) unless otherwise noted. Other fertilizer use, such as manure, phosphorus, etc., is sometimes noted in this column. In some cases, comments regarding sites or sampling are also noted in this column.

[4]Soil organic carbon is provided on the SOC worksheet as it was reported in the published literature. In some cases SOC was reported as percent (%) concentration in the soil to a specific depth, in other cases it was reported in mass per area (g/m^2) to a specific depth.