

Table 1.A Estimated resource use and costs for field operations, per Acre
 Rye Pasture, Conv. Till - Broadcast
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Rye Seed	1b											120.0000	0.33	39.60	39.60
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.08	2.72	0.84	2.04	0.28	2.88			232.85	247.41
INTEREST ON OPERATING CAPITAL															7.97
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															258.98

Note: Fall 2008 prices. Costs may vary considerably by location

Table 2.A Estimated resource use and costs for field operations, per Acre
 Rye Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.69	1.53	0.31	2.62				9.76
Rye Seed	lb											90.0000	0.33	29.70	29.70
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						9.48	4.24	1.53	3.57	0.59	5.50			222.95	247.27
INTEREST ON OPERATING CAPITAL															8.74
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															261.63

Note: Fall 2008 prices. Costs may vary considerably by location

Table 3.A Estimated resource use and costs for field operations, per Acre
 Rye Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Lime (Spread)	ton											0.5000	33.00	16.50	16.50
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	1.64	3.61	0.39	3.29				14.70
Rye Seed	lb											90.0000	0.33	29.70	29.70
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.52	2.80	1.64	3.61	0.54	4.80			222.95	242.32
INTEREST ON OPERATING CAPITAL															7.50
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															254.23

Note: Fall 2008 prices. Costs may vary considerably by location

Table 4.A Estimated resource use and costs for field operations, per Acre
 Ryegrass Pasture, Conv. Till - Broadcast
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Ryegrass Seed	lb											30.0000	0.55	16.50	16.50
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.08	2.72	0.84	2.04	0.28	2.88			254.25	268.81
INTEREST ON OPERATING CAPITAL															7.42
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															279.83

Note: Fall 2008 prices. Costs may vary considerably by location

Table 5.A Estimated resource use and costs for field operations, per Acre
 Ryegrass Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.69	1.53	0.31	2.62				9.76
Ryegrass Seed	lb											25.0000	0.55	13.75	13.75
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						9.48	4.24	1.53	3.57	0.59	5.50			251.50	275.82
INTEREST ON OPERATING CAPITAL															8.44
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															289.88

Note: Fall 2008 prices. Costs may vary considerably by location

Table 6.A Estimated resource use and costs for field operations, per Acre
 Ryegrass Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	1.64	3.61	0.39	3.29				14.70
Ryegrass Seed	lb											25.0000	0.55	13.75	13.75
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck)	appl			1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.52	2.80	1.64	3.61	0.54	4.80			251.50	270.87
INTEREST ON OPERATING CAPITAL															7.46
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															282.74

Note: Fall 2008 prices. Costs may vary considerably by location

Table 7.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass Pasture, Conv. Till - Broadcast
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Rye Seed	1b											90.0000	0.33	29.70	29.70
Ryegrass Seed	1b											25.0000	0.55	13.75	13.75
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.08	2.72	0.84	2.04	0.28	2.88			281.20	295.76
INTEREST ON OPERATING CAPITAL															8.36
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															307.72

Note: Fall 2008 prices. Costs may vary considerably by location

Table 8.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.69	1.53	0.31	2.62				9.76
Rye Seed	lb											75.0000	0.33	24.75	24.75
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						9.48	4.24	1.53	3.57	0.59	5.50			273.50	297.82
INTEREST ON OPERATING CAPITAL															9.22
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															312.66

Note: Fall 2008 prices. Costs may vary considerably by location

Table 9.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	1.64	3.61	0.39	3.29				14.70
Rye Seed	lb											75.0000	0.33	24.75	24.75
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.52	2.80	1.64	3.61	0.54	4.80			273.50	292.87
INTEREST ON OPERATING CAPITAL															8.50
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															305.78

Note: Fall 2008 prices. Costs may vary considerably by location

Table 10.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass Pasture, Conv. Till - Broadcast
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Wheat Seed	1b											90.0000	0.28	25.20	25.20
Ryegrass Seed	1b											25.0000	0.55	13.75	13.75
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.08	2.72	0.84	2.04	0.28	2.88			276.70	291.26
INTEREST ON OPERATING CAPITAL															8.20
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															303.06

Note: Fall 2008 prices. Costs may vary considerably by location

Table 11.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass Pasture, Conv. Till - Drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.69	1.53	0.31	2.62				9.76
Wheat Seed	lb											75.0000	0.28	21.00	21.00
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						9.48	4.24	1.53	3.57	0.59	5.50			269.75	294.07
INTEREST ON OPERATING CAPITAL															9.09
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															308.78

Note: Fall 2008 prices. Costs may vary considerably by location

Table 12.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass Pasture, No-till Drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	1.64	3.61	0.39	3.29				14.70
Wheat Seed	lb											75.0000	0.28	21.00	21.00
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck)	appl			1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.52	2.80	1.64	3.61	0.54	4.80			269.75	289.12
INTEREST ON OPERATING CAPITAL															8.11
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															301.64

Note: Fall 2008 prices. Costs may vary considerably by location

Table 13.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass Pasture, Conv. Till - Broadcast
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Oat Seed	lb											90.0000	0.27	24.30	24.30
Ryegrass Seed	lb											25.0000	0.55	13.75	13.75
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.08	2.72	0.84	2.04	0.28	2.88			275.80	290.36
INTEREST ON OPERATING CAPITAL															8.17
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															302.13

Note: Fall 2008 prices. Costs may vary considerably by location

Table 14.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.69	1.53	0.31	2.62				9.76
Oat Seed	lb											75.0000	0.27	20.25	20.25
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						9.48	4.24	1.53	3.57	0.59	5.50			269.00	293.32
INTEREST ON OPERATING CAPITAL															9.06
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															308.00

Note: Fall 2008 prices. Costs may vary considerably by location

Table 15.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.5000	33.00	16.50	16.50
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	1.64	3.61	0.39	3.29				14.70
Oat Seed	lb											75.0000	0.27	20.25	20.25
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	27.50	38.50	38.50
TOTALS						6.52	2.80	1.64	3.61	0.54	4.80			269.00	288.37
INTEREST ON OPERATING CAPITAL															8.34
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															301.12

Note: Fall 2008 prices. Costs may vary considerably by location

Table 16.A Estimated resource use and costs for field operations, per Acre
 Rye/arrowleaf clvr Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Rye Seed	1b											75.0000	0.33	24.75	24.75
Arrowleaf Clvr Seed	1b											8.0000	2.00	16.00	16.00
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			195.00	219.60
INTEREST ON OPERATING CAPITAL															8.58
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															233.80

Note: Fall 2008 prices. Costs may vary considerably by location

Table 17.A Estimated resource use and costs for field operations, per Acre
 Rye/arrowleaf clover Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Rye Seed	1b											75.0000	0.33	24.75	24.75
Arrowleaf Clvr Seed	1b											8.0000	2.00	16.00	16.00
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			195.00	209.70
INTEREST ON OPERATING CAPITAL															7.57
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															221.68

Note: Fall 2008 prices. Costs may vary considerably by location

Table 18.A Estimated resource use and costs for field operations, per Acre
 Ryegrass/arrowleaf clvr Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck) appl				1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			214.75	239.35
INTEREST ON OPERATING CAPITAL															8.57
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															253.54

Note: Fall 2008 prices. Costs may vary considerably by location

Table 19.A Estimated resource use and costs for field operations, per Acre
 Ryegrass/arrowleaf clover Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Ryegrass Seed	lb											20.0000	0.55	11.00	11.00
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						5.66	2.42	0.78	1.72	0.46	4.13			214.75	229.46
INTEREST ON OPERATING CAPITAL															7.67
UNALLOCATED LABOR															3.91
TOTAL SPECIFIED COST															241.04

Note: Fall 2008 prices. Costs may vary considerably by location

Table 20.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass/arrowleaf clvr Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Rye Seed	lb											60.0000	0.33	19.80	19.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						9.48	4.24	1.62	3.76	0.59	5.50			231.80	256.40
TOTALS															
INTEREST ON OPERATING CAPITAL															9.34
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															271.36

Note: Fall 2008 prices. Costs may vary considerably by location

Table 21.A Estimated resource use and costs for field operations, per Acre
Rye/ryegrass/arrowleaf clover Pasture, No-till Drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Rye Seed	lb											60.0000	0.33	19.80	19.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			231.80	246.50
INTEREST ON OPERATING CAPITAL															8.31
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															259.22

Note: Fall 2008 prices. Costs may vary considerably by location

Table 22.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass/ arrowleaf clvr Past., Conv. till- drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Wheat Seed	lb											60.0000	0.28	16.80	16.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			228.80	253.40
INTEREST ON OPERATING CAPITAL															9.24
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															268.26

Note: Fall 2008 prices. Costs may vary considerably by location

Table 23.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass/arrowleaf clover Pasture, No-till Drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Wheat Seed	lb											60.0000	0.28	16.80	16.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			228.80	243.50
INTEREST ON OPERATING CAPITAL															8.21
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															256.12

Note: Fall 2008 prices. Costs may vary considerably by location

Table 24.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass/ arrowleaf clvr Past., Conv. till- drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Oat Seed	lb											60.0000	0.27	16.20	16.20
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						9.48	4.24	1.62	3.76	0.59	5.50			228.20	252.80
TOTALS															
INTEREST ON OPERATING CAPITAL															9.22
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															267.64

Note: Fall 2008 prices. Costs may vary considerably by location

Table 25.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass/arrowleaf clover Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Oat Seed	lb											60.0000	0.27	16.20	16.20
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											8.0000	2.00	16.00	16.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			228.20	242.90
INTEREST ON OPERATING CAPITAL															8.19
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															255.50

Note: Fall 2008 prices. Costs may vary considerably by location

Table 26.A Estimated resource use and costs for field operations, per Acre
 Rye/arrowleaf/crimson clvr Pasture, Conv. Till - Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Rye Seed	lb											60.0000	0.33	19.80	19.80
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			242.95	267.55
INTEREST ON OPERATING CAPITAL															9.73
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															282.90

Note: Fall 2008 prices. Costs may vary considerably by location

Table 27.A Estimated resource use and costs for field operations, per Acre
 Rye/arrowleaf/crimson clover Pasture, No-till Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Rye Seed	1b											60.0000	0.33	19.80	19.80
Arrowleaf Clvr Seed	1b											6.0000	2.00	12.00	12.00
Crimson Clover Seed	1b											12.0000	1.95	23.40	23.40
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			242.95	257.65
INTEREST ON OPERATING CAPITAL															8.70
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															270.76

Note: Fall 2008 prices. Costs may vary considerably by location

Table 28.A Estimated resource use and costs for field operations, per Acre
 Ryegrass/arrowleaf/crimson clvr Pstr, Conv. Till-Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			231.40	256.00
INTEREST ON OPERATING CAPITAL															9.33
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															270.95

Note: Fall 2008 prices. Costs may vary considerably by location

Table 29.A Estimated resource use and costs for field operations, per Acre
 Ryegrass/arrowleaf/crimson clover Pstr, N/T Drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			231.40	246.10
INTEREST ON OPERATING CAPITAL															8.30
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															258.81

Note: Fall 2008 prices. Costs may vary considerably by location

Table 30.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass/arrowleaf/crimson clvr Pstr, Conv. drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Rye Seed	lb											60.0000	0.33	19.80	19.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			251.20	275.80
INTEREST ON OPERATING CAPITAL															10.02
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															291.44

Note: Fall 2008 prices. Costs may vary considerably by location

Table 31.A Estimated resource use and costs for field operations, per Acre
 Rye/ryegrass/arrowleaf/crimson clvr Pstr, N/T drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF RATE	TIMES OVER	MTH	POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Rye Seed	lb											60.0000	0.33	19.80	19.80
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			251.20	265.90
INTEREST ON OPERATING CAPITAL															8.99
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															279.30

Note: Fall 2008 prices. Costs may vary considerably by location

Table 32.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass/arrowleaf/crimson clvr Pstr, Conv. drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Wheat Seed	1b											60.0000	0.28	16.80	16.80
Ryegrass Seed	1b											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	1b											6.0000	2.00	12.00	12.00
Crimson Clover Seed	1b											12.0000	1.95	23.40	23.40
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			248.20	272.80
INTEREST ON OPERATING CAPITAL															9.92
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															288.34

Note: Fall 2008 prices. Costs may vary considerably by location

Table 33.A Estimated resource use and costs for field operations, per Acre
Wheat/ryegrass/arrowleaf/crimson clvr Pstr, N/T drill
Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Wheat Seed	1b											60.0000	0.28	16.80	16.80
Ryegrass Seed	1b											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	1b											6.0000	2.00	12.00	12.00
Crimson Clover Seed	1b											12.0000	1.95	23.40	23.40
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						6.52	2.80	0.18	0.40	0.54	4.80			248.20	262.90
TOTALS															
INTEREST ON OPERATING CAPITAL															8.89
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															276.20

Note: Fall 2008 prices. Costs may vary considerably by location

Table 34.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass/arrowleaf/crimson clvr Pstr, Conv. drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	3.04	1.36	0.42	1.02	0.14	1.44				7.28
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	3.40	1.52	0.78	1.72	0.31	2.62				10.04
Oat Seed	lb											60.0000	0.27	16.20	16.20
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
						-----		-----		-----		-----			
TOTALS						9.48	4.24	1.62	3.76	0.59	5.50			247.60	272.20
INTEREST ON OPERATING CAPITAL															9.90
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															287.72

Note: Fall 2008 prices. Costs may vary considerably by location

Table 35.A Estimated resource use and costs for field operations, per Acre
 Oat/ryegrass/arrowleaf/crimson clvr Pstr, N/T drill
 Georgia, 2008

OPERATION/ OPERATING INPUT	SIZE/ UNIT	POWER UNIT SIZE	PERF TIMES			POWER UNIT COST		EQUIPMENT COST		ALLOC LABOR		OPERATING/DURABLE INPUT			TOTAL COST
			RATE	OVER	MTH	DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST	
						-----dollars-----				dollars		-----dollars-----			
Lime (Spread)	ton			1.00	Sep							0.7500	33.00	24.75	24.75
Rotary Mower	8'	2WD 75	0.147	1.00	Sep	2.26	0.90			0.14	1.51				4.67
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	27.50	27.50	27.50
Phosphate (46% P2O5)	cwt											1.1000	55.00	60.50	60.50
Potash (60% K2O)	cwt											0.8500	45.00	38.25	38.25
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	4.26	1.90	0.18	0.40	0.39	3.29				10.03
Oat Seed	lb											60.0000	0.27	16.20	16.20
Ryegrass Seed	lb											15.0000	0.55	8.25	8.25
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.95	23.40	23.40
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	27.50	24.75	24.75
TOTALS						6.52	2.80	0.18	0.40	0.54	4.80			247.60	262.30
INTEREST ON OPERATING CAPITAL															8.87
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															275.58

Note: Fall 2008 prices. Costs may vary considerably by location