

Table 1.A Estimated resource use and costs for field operations, per Acre
 Rye Pasture, Conv. Till - Broadcast
 Georgia, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Rye Seed	1b											120.0000	0.32	38.40	38.40
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						3.74	2.72	0.84	2.04	0.28	2.88			145.86	158.08
INTEREST ON OPERATING CAPITAL															5.07
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															166.75

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.69	1.53	0.31	2.62				8.45
Rye Seed	lb											90.0000	0.32	28.80	28.80
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						5.83	4.24	1.53	3.57	0.59	5.50			136.26	156.93
INTEREST ON OPERATING CAPITAL															5.40
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															167.95

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
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	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	1.64	3.61	0.39	3.29				13.06
Rye Seed	lb											90.0000	0.32	28.80	28.80
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						4.00	2.80	1.64	3.61	0.54	4.80			136.26	153.11
INTEREST ON OPERATING CAPITAL															4.68
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															162.20

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
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	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						3.74	2.72	0.84	2.04	0.28	2.88			155.16	167.38
INTEREST ON OPERATING CAPITAL															4.50
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															175.48

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.69	1.53	0.31	2.62				8.45
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	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						5.83	4.24	1.53	3.57	0.59	5.50			152.41	173.08
INTEREST ON OPERATING CAPITAL															5.06
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															183.76

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	1.64	3.61	0.39	3.29				13.06
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	18.00	25.20	25.20
Custom Spread(Truck)	appl			1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						4.00	2.80	1.64	3.61	0.54	4.80			152.41	169.26
INTEREST ON OPERATING CAPITAL															4.53
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															178.20

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Rye Seed	lb											90.0000	0.32	28.80	28.80
Ryegrass Seed	lb											25.0000	0.55	13.75	13.75
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						3.74	2.72	0.84	2.04	0.28	2.88			181.21	193.43
INTEREST ON OPERATING CAPITAL															5.41
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															202.44

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.69	1.53	0.31	2.62				8.45
Rye Seed	lb											75.0000	0.32	24.00	24.00
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	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						5.83	4.24	1.53	3.57	0.59	5.50			173.66	194.33
INTEREST ON OPERATING CAPITAL															5.81
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															205.76

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	1.64	3.61	0.39	3.29				13.06
Rye Seed	lb											75.0000	0.32	24.00	24.00
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	18.00	25.20	25.20
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						4.00	2.80	1.64	3.61	0.54	4.80			173.66	190.51
INTEREST ON OPERATING CAPITAL															5.45
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															200.37

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
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	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						3.74	2.72	0.84	2.04	0.28	2.88			177.61	189.83
INTEREST ON OPERATING CAPITAL															5.28
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															198.71

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.69	1.53	0.31	2.62				8.45
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	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						5.83	4.24	1.53	3.57	0.59	5.50			170.66	191.33
INTEREST ON OPERATING CAPITAL															5.71
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															202.66

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	1.64	3.61	0.39	3.29				13.06
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	18.00	25.20	25.20
Custom Spread(Truck)	appl			1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						4.00	2.80	1.64	3.61	0.54	4.80			170.66	187.51
INTEREST ON OPERATING CAPITAL															5.18
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															197.10

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread + Seed appl				1.00	Oct							1.0000	6.00	6.00	6.00
Oat Seed	1b											90.0000	0.23	20.70	20.70
Ryegrass Seed	1b											25.0000	0.55	13.75	13.75
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Disk Harrow	14'	2WD 105	0.140	1.00	Oct	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						3.74	2.72	0.84	2.04	0.28	2.88			173.11	185.33
INTEREST ON OPERATING CAPITAL															5.12
UNALLOCATED LABOR															3.60
TOTAL SPECIFIED COST															194.05

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.69	1.53	0.31	2.62				8.45
Oat Seed	lb											75.0000	0.23	17.25	17.25
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	18.00	25.20	25.20
Custom Spread(Truck) appl				1.00	Mar							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						5.83	4.24	1.53	3.57	0.59	5.50			166.91	187.58
INTEREST ON OPERATING CAPITAL															5.57
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															198.77

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	1.64	3.61	0.39	3.29				13.06
Oat Seed	lb											75.0000	0.23	17.25	17.25
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	18.00	25.20	25.20
Custom Spread(Truck)	appl			1.00	Feb							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.4000	18.00	25.20	25.20
TOTALS						4.00	2.80	1.64	3.61	0.54	4.80			166.91	183.76
INTEREST ON OPERATING CAPITAL															5.21
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															193.38

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Rye Seed	1b											75.0000	0.32	24.00	24.00
Arrowleaf Clvr Seed	1b											8.0000	2.00	16.00	16.00
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			122.71	143.66
INTEREST ON OPERATING CAPITAL															5.50
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															154.78

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Rye Seed	1b											75.0000	0.32	24.00	24.00
Arrowleaf Clvr Seed	1b											8.0000	2.00	16.00	16.00
						-----				-----		-----			
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			122.71	134.89
INTEREST ON OPERATING CAPITAL															4.94
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															144.24

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
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	18.00	16.20	16.20
						-----		-----		-----		-----			
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			133.71	154.66
INTEREST ON OPERATING CAPITAL															5.39
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															165.67

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
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	18.00	16.20	16.20
TOTALS						3.47	2.42	0.78	1.72	0.46	4.13			133.71	146.23
INTEREST ON OPERATING CAPITAL															4.90
UNALLOCATED LABOR															3.91
TOTAL SPECIFIED COST															155.04

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Rye Seed	lb											60.0000	0.32	19.20	19.20
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	18.00	16.20	16.20
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			150.16	171.11
INTEREST ON OPERATING CAPITAL															6.09
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															182.82

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Rye Seed	lb											60.0000	0.32	19.20	19.20
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	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			150.16	162.34
INTEREST ON OPERATING CAPITAL															5.51
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															172.26

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
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	18.00	16.20	16.20
						-----		-----		-----		-----			
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			147.76	168.71
INTEREST ON OPERATING CAPITAL															6.01
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															180.34

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
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	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			147.76	159.94
INTEREST ON OPERATING CAPITAL															5.43
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															169.78

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Oat Seed	lb											60.0000	0.23	13.80	13.80
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	18.00	16.20	16.20
						5.83	4.24	1.62	3.76	0.59	5.50			144.76	165.71
TOTALS															
INTEREST ON OPERATING CAPITAL															5.90
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															177.23

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Oat Seed	lb											60.0000	0.23	13.80	13.80
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	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			144.76	156.94
INTEREST ON OPERATING CAPITAL															5.32
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															166.67

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Rye Seed	lb											60.0000	0.32	19.20	19.20
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.25	15.00	15.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
						5.83	4.24	1.62	3.76	0.59	5.50			152.91	173.86
TOTALS															
INTEREST ON OPERATING CAPITAL															6.19
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															185.67

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Rye Seed	lb											60.0000	0.32	19.20	19.20
Arrowleaf Clvr Seed	lb											6.0000	2.00	12.00	12.00
Crimson Clover Seed	lb											12.0000	1.25	15.00	15.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			152.91	165.09
INTEREST ON OPERATING CAPITAL															5.61
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															175.11

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
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	1.25	15.00	15.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
						-----	-----	-----	-----	-----	-----				-----
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			141.96	162.91
INTEREST ON OPERATING CAPITAL															5.81
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															174.34

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
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	1.25	15.00	15.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			141.96	154.14
INTEREST ON OPERATING CAPITAL															5.23
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															163.78

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Rye Seed	1b											60.0000	0.32	19.20	19.20
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	1.25	15.00	15.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
						-----		-----		-----		-----			
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			161.16	182.11
INTEREST ON OPERATING CAPITAL															6.48
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															194.21

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Rye Seed	lb											60.0000	0.32	19.20	19.20
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	1.25	15.00	15.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			161.16	173.34
INTEREST ON OPERATING CAPITAL															5.90
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															183.65

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
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	1.25	15.00	15.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
						-----		-----		-----		-----			
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			158.76	179.71
INTEREST ON OPERATING CAPITAL															6.40
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															191.73

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
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	1.25	15.00	15.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			158.76	170.94
INTEREST ON OPERATING CAPITAL															5.82
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															181.17

Note: Fall 2007 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, 2007

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	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Disk Harrow	14'	2WD 105	0.140	1.00	Sep	1.87	1.36	0.42	1.02	0.14	1.44				6.11
Custom Spread(Truck) appl												1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill w/ small-seed	12'	2WD 105	0.157	1.00	Oct	2.09	1.52	0.78	1.72	0.31	2.62				8.73
Oat Seed	lb											60.0000	0.23	13.80	13.80
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	1.25	15.00	15.00
Custom Spread(Truck) appl				1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
						-----		-----		-----		-----			
TOTALS						5.83	4.24	1.62	3.76	0.59	5.50			155.76	176.71
INTEREST ON OPERATING CAPITAL															6.29
UNALLOCATED LABOR															5.62
TOTAL SPECIFIED COST															188.62

Note: Fall 2007 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, 2007

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	1.38	0.90			0.14	1.51				3.79
Custom Spread(Truck)	appl			1.00	Oct							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											1.0000	18.00	18.00	18.00
Phosphate (46% P2O5)	cwt											1.1000	21.50	23.65	23.65
Potash (60% K2O)	cwt											0.8500	14.25	12.11	12.11
Drill N/T w/ sm seed	12'	2WD 105	0.196	1.00	Oct	2.62	1.90	0.18	0.40	0.39	3.29				8.39
Oat Seed	lb											60.0000	0.23	13.80	13.80
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	1.25	15.00	15.00
Custom Spread(Truck)	appl			1.00	Jan							1.0000	6.00	6.00	6.00
Amm Nitrate (34%N)	cwt											0.9000	18.00	16.20	16.20
TOTALS						4.00	2.80	0.18	0.40	0.54	4.80			155.76	167.94
INTEREST ON OPERATING CAPITAL															5.71
UNALLOCATED LABOR															4.41
TOTAL SPECIFIED COST															178.06

Note: Fall 2007 prices. Costs may vary considerably by location