LESA Worksheet #1

NOTE: The soil mapunits shown are for the selected area. The land capability (lc) is the dominant land capability of the soil components. The yield values shown are a weighted average calculated from the soil components.

Survey Area : Campbell County And The City Of Lynchburg, Virginia (VA631)
126 Mapunits

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Indicator crop     : corn
Temperature Regime: mesic
C factor           : 0.05
System irrigated?  : no
Minimum Component: 15%
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Sorted by Map Symbol (map symbl)

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
1	AbB	abell fine sandy loam	0- 4	2e	140	88	1	4,058	1.1
2	AeB	abell loam	0- 4	2e	140	88	1	721	0.2
3	AgB	appling gravelly sandy loam	2- 6	2e	90	56	1	2,277	0.6
4	AgC	appling gravelly sandy loam	6-15	4s	79	49	S	3,066	0.9
5	ApB	appling fine sandy loam	2- 6	2e	100	63	1	5,887	1.7
6	ApC2	appling fine sandy loam	6-15	4e	88	55	S	11,541	3.3
7	AwE2	appling-wedowee gravelly sand	15-25	6e		0	S	1,204	0.3
8	AxE2	appling-wedowee fine sandy lo	15-25	6e		0	S	4,901	1.4
9	BrD	bremo loam	6-15	4e	52	33	0	736	0.2
10	BrE	bremo loam	15-25	6e		0	0	876	0.2
11	BrF	bremo loam	25-60	7e		0	0	425	0.1
12	Bu	buncombe loamy fine sand	0- 4	4s	65	41	0	565	0.2
13	CFL	cut and fill land	0- 0	0		0	0	574	0.2
14	CT	chewacla-toccoa complex	0- 2	3w	110	69	0	10,318	2.9
15	CcB2	cecil fine sandy loam	2- 6	2e	100	63	1	18,813	5.3
16	CcC2	cecil fine sandy loam	6-15	4e	88	55	S	26,784	7.6
17	CcE2	cecil fine sandy loam	15-25	6e		0	S	8,899	2.5
18	CdC	cecil cobbly fine sandy loam	6-15	4e	75	47	S	601	0.2
19	CeB3	cecil clay loam	2- 6	3e	100	63	0	470	0.1
20	CeD3	cecil clay loam	6-15	4e	80	50	0	1,636	0.5
21	CeE3	cecil clay loam	15-25	6e		0	0	644	0.2
22	Ch	chewacla loam	0- 2	3w	140	88	0	1,546	0.4
23	CuB	cullen loam	2- 6	2e	130	81	1	12,378	3.5
24	CuC2	cullen loam	6-15	3e	114	71	S	17,338	4.9
25	CuE2	cullen loam	15-25	4e		0	S	5,858	1.7
26	CxB3	cullen clay loam	2- 6	2e	130	81	0	1,458	0.4
27	CxC3	cullen clay loam	6-15	4e	114	71	0	3,918	1.1
28	CxE3	cullen clay loam	15-25	6e		0	0	1,867	0.5
29	DoA	dogue fine sandy loam	0- 2	2w	130	81	1	233	0.1
30	DoB	dogue fine sandy loam	2- 6	2e	130	81	1	902	0.3
31	Eb	elbert loam	0- 4	4w	65	41	0	1,073	0.3
32	EnB	enon fine sandy loam	2- 6	3e	100	63	S	1,052	0.3
33	EnC2	enon fine sandy loam	6-10	4e	88	55	S	1,558	0.4
34	FlB2	fluvanna fine sandy loam	2- 6	2e	100	63	1	200	0.1

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	acres pct
35	FlC2	fluvanna fine sandy loam	6-15	3e	88	55	S	495	0.1
36	FlE2	fluvanna fine sandy loam	15-25	4e	0		S	322	0.1
37	Fo	forestdale silt loam	0- 2	5w	65	41	0	167	0.0
38	GeB2	georgeville loam	2- 6	2e	100	63	1	7,676	2.2
39	GeC2	georgeville loam	6-15	4e	88	55	S	8,918	2.5
40	GeE2	georgeville loam	15-25	6e	0		S	1,466	0.4
41	GrB	georgeville-brockroad loams	2- 6	2e	100	63	1	1,491	0.4
42	GwB	gwinnett clay loam	2- 6	2e	100	63	1	577	0.2
43	GwC	gwinnett clay loam	6-15	4e	88	55	0	422	0.1
44	HaB	helena fine sandy loam	2- 6	2e	65	41	1	882	0.2
45	HaC	helena fine sandy loam	6-15	4e	57	36	S	272	0.1
46	HdB	herndon loam	2- 6	2e	100	63	1	367	0.1
47	HdC	herndon loam	6-10	3e	88	55	S	223	0.1
48	HwB2	hiwassee loam	2- 6	2e	130	81	1	1,345	0.4
49	HwC2	hiwassee loam	6-15	4e	114	71	S	1,707	0.5
50	HwE2	hiwassee loam	15-25	6e	0		S	241	0.1
51	IrB	iredell loam	2- 6	2e	65	41	S	3,082	0.9
52	IrB2	iredell loam	2- 6	2e	65	41	S	220	0.1
53	IrC	iredell loam	6-10	3e	57	36	S	965	0.3
54	IrC2	iredell loam	6-10	3e	57	36	S	228	0.1
55	LoD	louisburg fine sandy loam	6-15	6e	68	43	0	1,319	0.4
56	LoE	louisburg fine sandy loam	15-25	7e	0		0	3,031	0.9
57	LoF	louisburg fine sandy loam	25-60	7e	0		0	2,263	0.6
58	MNE	manteo-rock outcrop complex	25-60	7e	0		0	326	0.1
59	MaB2	madison loam	2- 6	2e	100	63	1	901	0.3
60	MaC2	madison loam	6-15	4e	88	55	S	3,516	1.0
61	MaE2	madison loam	15-25	6e	0		S	2,645	0.7
62	McD	manteo channery loam	6-15	6e	44	28	0	2,716	0.8
63	McE	manteo channery loam	15-25	7e	0		0	7,109	2.0
64	McF	manteo channery loam	25-60	7e	0		0	12,047	3.4
65	MpB	masada fine sandy loam	2- 6	2e	130	81	1	3,722	1.0
66	MpC	masada fine sandy loam	6-15	3e	114	71	S	2,451	0.7
67	MrB	masada gravelly fine sandy lo	2- 6	2e	117	73	1	538	0.2
68	MrC	masada gravelly fine sandy lo	6-10	3e	103	64	S	313	0.1
69	MsB2	masada loam	2- 6	2e	130	81	1	645	0.2
70	MsC2	masada loam	6-12	3e	114	71	S	404	0.1
71	MtB	masada loam	0- 4	2e	130	81	1	3,129	0.9
72	MwB	mayodan fine sandy loam	2- 6	2e	100	63	1	2,983	0.8
73	MwC	mayodan fine sandy loam	6-15	4e	88	55	S	2,695	0.8
74	MyB2	mayodan loam	2- 6	2e	100	63	1	1,204	0.3
75	MyC2	mayodan loam	6-15	4e	88	55	S	792	0.2
76	MzB2	mecklenburg loam	2- 6	2e	100	63	1	1,065	0.3
77	MzC2	mecklenburg loam	6-15	4e	88	55	S	2,813	0.8
78	MzE2	mecklenburg loam	15-25	6e	0		S	596	0.2
79	NOTCO	not complete	0- 0	0	0		0	0	0.0
80	NaB	nason loam	2- 6	2e	100	63	S	1,029	0.3
81	NaC	nason loam	6-15	3e	88	55	S	6,551	1.8
82	NaE	nason loam	15-25	4e	0		S	5,886	1.7
83	PeA	penn silt loam	0- 2	2s	85	53	1	764	0.2
84	PeB	penn silt loam	2- 6	2e	85	53	1	1,639	0.5
85	PeC	penn silt loam	6-15	3e	75	47	0	720	0.2
86	PkB	pinkston fine sandy loam	2- 6	3e	65	41	S	234	0.1
87	PkD	pinkston fine sandy loam	6-15	4e	52	33	S	763	0.2
88	PpE	pinkston and penn soils	15-25	6e	0		S	1,095	0.3

line no.	**map symbl**	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
89	Qu	quarry mine	0- 0	0		0	0	227	0.1
90	Re	riverview loam	0- 2	2w	140	88	1	1,657	0.5
91	Ro	roanoke silt loam	0- 2	5w	65	41	0	425	0.1
92	StA	state fine sandy loam	0- 2	2w	160	100	1	495	0.1
93	StB	state fine sandy loam	2- 6	2w	160	100	1	209	0.1
94	TaD	tallapoosa loam	6-15	6e	52	33	S	376	0.1
95	TaE	tallapoosa loam	15-25	7e		0	O	1,469	0.4
96	TaF	tallapoosa loam	25-60	7e		0	0	1,563	0.4
97	TlB	tatum loam	2- 6	2e	100	63	S	7,038	2.0
98	TlC2	tatum loam	6-15	3e	88	55	S	19,226	5.4
99	TlE2	tatum loam	15-25	4e		0	S	8,842	2.5
100	TmD3	tatum clay loam	6-15	3e	80	50	0	911	0.3
101	TmE3	tatum clay loam	15-25	6e		0	0	467	0.1
102	To	toccoa fine sandy loam	0- 2	2w	65	41	0	4,878	1.4
103	TuB	turbeville fine sandy loam	2- 6	2e	130	81	1	2,711	0.8
104	TuC2	turbeville fine sandy loam	6-15	3e	114	71	S	2,789	0.8
105	UL	urban land	2-25	0		0	0	4,792	1.4
106	UNC	urban land-cecil complex	2-15	3e	33	21	0	205	0.1
107	URC	urban land-cullen complex	2-15	3e	43	27	0	272	0.1
108	USC	urban land-madison complex	2-15	3e	33	21	0	1,022	0.3
109	VaB	vance fine sandy loam	2- 6	3e	100	63	1	588	0.2
110	VaB2	vance fine sandy loam	2- 6	3e	100	63	1	701	0.2
111	VaC2	vance fine sandy loam	6-10	4e	88	55	S	689	0.2
112	W	water	0- 0	0		0	0	1,512	0.4
113	Wa	wahee and augusta loams	0- 2	4w	80	50	0	728	0.2
114	Wd	wehadkee loam	0- 2	6w	65	41	0	971	0.3
115	WeA	white store fine sandy loam	0- 2	2e	65	41	S	328	0.1
116	WeB	white store fine sandy loam	2- 6	2e	65	41	S	509	0.1
117	WgA	white store loam	0- 2	2e	65	41	S	394	0.1
118	WgB	white store loam	2- 6	2e	65	41	S	534	0.2
119	WhA	white store loam	0- 2	2e	65	41	S	385	0.1
120	WhB	white store loam	2- 6	2e	65	41	S	326	0.1
121	WkB	wilkes loam	2- 6	4e	65	41	S	218	0.1
122	WkD	wilkes loam	6-15	6e	52	33	S	3,448	1.0
123	WkE	wilkes loam	15-25	7e		0	O	8,359	2.4
124	WkF	wilkes loam	25-60	7e		0	0	5,261	1.5
125	WlE3	wilkes soils	15-25	7e		0	0	817	0.2
126	WoB	worsham soils	0- 4	4w	85	53	0	5,871	1.7
								354,560	

Sorted by Productivity Index (prd ind)

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
1	StA	state fine sandy loam	0- 2	2w	160	100	1	495	0.1
2	StB	state fine sandy loam	2- 6	2w	160	100	1	209	0.1
3	AbB	abell fine sandy loam	0- 4	2e	140	88	1	4,058	1.1
4	AeB	abell loam	0- 4	2e	140	88	1	721	0.2
5	Ch	chewacla loam	0- 2	3w	140	88	0	1,546	0.4
6	Re	riverview loam	0- 2	2w	140	88	1	1,657	0.5
7	CuB	cullen loam	2- 6	2e	130	81	1	12,378	3.5

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
8	CxB3	cullen clay loam	2- 6	2e	130	81	0	1,458	0.4
9	DoA	dogue fine sandy loam	0- 2	2w	130	81	1	233	0.1
10	DoB	dogue fine sandy loam	2- 6	2e	130	81	1	902	0.3
11	HwB2	hiwassee loam	2- 6	2e	130	81	1	1,345	0.4
12	MpB	masada fine sandy loam	2- 6	2e	130	81	1	3,722	1.0
13	MsB2	masada loam	2- 6	2e	130	81	1	645	0.2
14	MtB	masada loam	0- 4	2e	130	81	1	3,129	0.9
15	TuB	turbeville fine sandy loam	2- 6	2e	130	81	1	2,711	0.8
16	MrB	masada gravelly fine sandy lo	2- 6	2e	117	73	1	538	0.2
17	CuC2	cullen loam	6-15	3e	114	71	S	17,338	4.9
18	CxC3	cullen clay loam	6-15	4e	114	71	0	3,918	1.1
19	HwC2	hiwassee loam	6-15	4e	114	71	S	1,707	0.5
20	MpC	masada fine sandy loam	6-15	3e	114	71	S	2,451	0.7
21	MsC2	masada loam	6-12	3e	114	71	S	404	0.1
22	TuC2	turbeville fine sandy loam	6-15	3e	114	71	S	2,789	0.8
23	CT	chewacla-toccoa complex	0- 2	3w	110	69	0	10,318	2.9
24	MrC	masada gravelly fine sandy lo	6-10	3e	103	64	S	313	0.1
25	ApB	appling fine sandy loam	2- 6	2e	100	63	1	5,887	1.7
26	CcB2	cecil fine sandy loam	2- 6	2e	100	63	1	18,813	5.3
27	CeB3	cecil clay loam	2- 6	3e	100	63	0	470	0.1
28	EnB	enon fine sandy loam	2- 6	3e	100	63	S	1,052	0.3
29	FlB2	fluvanna fine sandy loam	2- 6	2e	100	63	1	200	0.1
30	GeB2	georgeville loam	2- 6	2e	100	63	1	7,676	2.2
31	GrB	georgeville-brockroad loams	2- 6	2e	100	63	1	1,491	0.4
32	GwB	gwinnett clay loam	2- 6	2e	100	63	1	577	0.2
33	HdB	herndon loam	2- 6	2e	100	63	1	367	0.1
34	MaB2	madison loam	2- 6	2e	100	63	1	901	0.3
35	MwB	mayodan fine sandy loam	2- 6	2e	100	63	1	2,983	0.8
36	MyB2	mayodan loam	2- 6	2e	100	63	1	1,204	0.3
37	MzB2	mecklenburg loam	2- 6	2e	100	63	1	1,065	0.3
38	NaB	nason loam	2- 6	2e	100	63	S	1,029	0.3
39	TlB	tatum loam	2- 6	2e	100	63	S	7,038	2.0
40	VaB	vance fine sandy loam	2- 6	3e	100	63	1	588	0.2
41	VaB2	vance fine sandy loam	2- 6	3e	100	63	1	701	0.2
42	AgB	appling gravelly sandy loam	2- 6	2e	90	56	1	2,277	0.6
43	ApC2	appling fine sandy loam	6-15	4e	88	55	S	11,541	3.3
44	CcC2	cecil fine sandy loam	6-15	4e	88	55	S	26,784	7.6
45	EnC2	enon fine sandy loam	6-10	4e	88	55	S	1,558	0.4
46	FlC2	fluvanna fine sandy loam	6-15	3e	88	55	S	495	0.1
47	GeC2	georgeville loam	6-15	4e	88	55	S	8,918	2.5
48	GwC	gwinnett clay loam	6-15	4e	88	55	0	422	0.1
49	HdC	herndon loam	6-10	3e	88	55	S	223	0.1
50	MaC2	madison loam	6-15	4e	88	55	S	3,516	1.0
51	MwC	mayodan fine sandy loam	6-15	4e	88	55	S	2,695	0.8
52	MyC2	mayodan loam	6-15	4e	88	55	S	792	0.2
53	MzC2	mecklenburg loam	6-15	4e	88	55	S	2,813	0.8
54	NaC	nason loam	6-15	3e	88	55	S	6,551	1.8
55	TlC2	tatum loam	6-15	3e	88	55	S	19,226	5.4
56	VaC2	vance fine sandy loam	6-10	4e	88	55	S	689	0.2
57	PeA	penn silt loam	0- 2	2s	85	53	1	764	0.2
58	PeB	penn silt loam	2- 6	2e	85	53	1	1,639	0.5
59	WoB	worsham soils	0- 4	4w	85	53	0	5,871	1.7
60	Wa	wahee and augusta loams	0- 2	4w	80	50	0	728	0.2
61	CeD3	cecil clay loam	6-15	4e	80	50	0	1,636	0.5

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	acres pct
62	TmD3	tatum clay loam	6-15	3e	80	50	0	911	0.3
63	AgC	appling gravelly sandy loam	6-15	4s	79	49	S	3,066	0.9
64	CdC	cecil cobbly fine sandy loam	6-15	4e	75	47	S	601	0.2
65	PeC	penn silt loam	6-15	3e	75	47	0	720	0.2
66	LoD	louisburg fine sandy loam	6-15	6e	68	43	0	1,319	0.4
67	Bu	buncombe loamy fine sand	0- 4	4s	65	41	0	565	0.2
68	Eb	elbert loam	0- 4	4w	65	41	0	1,073	0.3
69	Fo	forestdale silt loam	0- 2	5w	65	41	0	167	0.0
70	HaB	helena fine sandy loam	2- 6	2e	65	41	1	882	0.2
71	IrB	iredell loam	2- 6	2e	65	41	S	3,082	0.9
72	IrB2	iredell loam	2- 6	2e	65	41	S	220	0.1
73	PkB	pinkston fine sandy loam	2- 6	3e	65	41	S	234	0.1
74	Ro	roanoke silt loam	0- 2	5w	65	41	0	425	0.1
75	To	toccoa fine sandy loam	0- 2	2w	65	41	0	4,878	1.4
76	Wd	wehadkee loam	0- 2	6w	65	41	0	971	0.3
77	WeA	white store fine sandy loam	0- 2	2e	65	41	S	328	0.1
78	WeB	white store fine sandy loam	2- 6	2e	65	41	S	509	0.1
79	WgA	white store loam	0- 2	2e	65	41	S	394	0.1
80	WgB	white store loam	2- 6	2e	65	41	S	534	0.2
81	WhA	white store loam	0- 2	2e	65	41	S	385	0.1
82	WhB	white store loam	2- 6	2e	65	41	S	326	0.1
83	WkB	wilkes loam	2- 6	4e	65	41	S	218	0.1
84	HaC	helena fine sandy loam	6-15	4e	57	36	S	272	0.1
85	IrC	iredell loam	6-10	3e	57	36	S	965	0.3
86	IrC2	iredell loam	6-10	3e	57	36	S	228	0.1
87	BrD	bremo loam	6-15	4e	52	33	0	736	0.2
88	PkD	pinkston fine sandy loam	6-15	4e	52	33	S	763	0.2
89	TaD	tallapoosa loam	6-15	6e	52	33	S	376	0.1
90	WkD	wilkes loam	6-15	6e	52	33	S	3,448	1.0
91	McD	manteo channery loam	6-15	6e	44	28	0	2,716	0.8
92	URC	urban land-cullen complex	2-15	3e	43	27	0	272	0.1
93	UNC	urban land-cecil complex	2-15	3e	33	21	0	205	0.1
94	USC	urban land-madison complex	2-15	3e	33	21	0	1,022	0.3
95	AwE2	appling-wedowee gravelly sand	15-25	6e		0	S	1,204	0.3
96	AxE2	appling-wedowee fine sandy lo	15-25	6e		0	S	4,901	1.4
97	BrE	bremo loam	15-25	6e		0	0	876	0.2
98	BrF	bremo loam	25-60	7e		0	0	425	0.1
99	CFL	cut and fill land	0- 0	0		0	0	574	0.2
100	CcE2	cecil fine sandy loam	15-25	6e		0	S	8,899	2.5
101	CeE3	cecil clay loam	15-25	6e		0	0	644	0.2
102	CuE2	cullen loam	15-25	4e		0	S	5,858	1.7
103	CxE3	cullen clay loam	15-25	6e		0	0	1,867	0.5
104	FlE2	fluvanna fine sandy loam	15-25	4e		0	S	322	0.1
105	GeE2	georgeville loam	15-25	6e		0	S	1,466	0.4
106	HwE2	hiwassee loam	15-25	6e		0	S	241	0.1
107	LoE	louisburg fine sandy loam	15-25	7e		0	0	3,031	0.9
108	LoF	louisburg fine sandy loam	25-60	7e		0	0	2,263	0.6
109	MNE	manteo-rock outcrop complex	25-60	7e		0	0	326	0.1
110	MaE2	madison loam	15-25	6e		0	S	2,645	0.7
111	McE	manteo channery loam	15-25	7e		0	0	7,109	2.0
112	McF	manteo channery loam	25-60	7e		0	0	12,047	3.4
113	MzE2	mecklenburg loam	15-25	6e		0	S	596	0.2
114	NOTCO	not complete	0- 0	0		0	0	0	0.0
115	NaE	nason loam	15-25	4e		0	S	5,886	1.7

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
116	PpE	pinkston and penn soils	15-25	6e		0	S	1,095	0.3
117	Qu	quarry mine	0- 0	0		0	0	227	0.1
118	TaE	tallapoosa loam	15-25	7e		0	O	1,469	0.4
119	TaF	tallapoosa loam	25-60	7e		0	0	1,563	0.4
120	TlE2	tatum loam	15-25	4e		0	S	8,842	2.5
121	TmE3	tatum clay loam	15-25	6e		0	0	467	0.1
122	UL	urban land	2-25	0		0	0	4,792	1.4
123	W	water	0- 0	0		0	0	1,512	0.4
124	WkE	wilkes loam	15-25	7e		0	O	8,359	2.4
125	WkF	wilkes loam	25-60	7e		0	0	5,261	1.5
126	WlE3	wilkes soils	15-25	7e		0	0	817	0.2
								354,560	

Code	**Important Farmland (if)**
0	Not prime farmland
1	All areas are prime farmland
2	Prime farmland if drained
3	Prime farmland if protected from flooding or not frequently flooded during the growing season
4	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
6	Prime farmland if irrigated and drained
7	Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
8	Prime farmland if subsoiled, completely removing the root inhibiting soil layer
9	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
10	Prime farmland if irrigated and reclaimed of excess salts and sodium
S	Farmland of statewide importance
L	Farmland of local importance
U	Farmland of unique importance

LESA Worksheet #2

Group Number 1

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
StA	2w	state fine	0- 2	160	100	1	495	0.1	79,200	160	79,200
StB	2w	state fine	2- 6	160	100	1	209	0.1	33,440	160	33,440
AbB	2e	abell fine	0- 4	140	88	1	4,058	1.1	568,120	140	568,120
AeB	2e	abell loam	0- 4	140	88	1	721	0.2	100,940	140	100,940
Re	2w	riverview	0- 2	140	88	1	1,657	0.5	231,980	140	231,980
CuB	2e	cullen loa	2- 6	130	81	1	12,378	3.5	1,609,140	130	1,609,140
DoA	2w	dogue fine	0- 2	130	81	1	233	0.1	30,290	130	30,290
DoB	2e	dogue fine	2- 6	130	81	1	902	0.3	117,260	130	117,260
HwB2	2e	hiwassee l	2- 6	130	81	1	1,345	0.4	174,850	130	174,850
MpB	2e	masada fin	2- 6	130	81	1	3,722	1.0	483,860	130	483,860
MsB2	2e	masada loa	2- 6	130	81	1	645	0.2	83,850	130	83,850
MtB	2e	masada loa	0- 4	130	81	1	3,129	0.9	406,770	130	406,770
TuB	2e	turbeville	2- 6	130	81	1	2,711	0.8	352,430	130	352,430
MrB	2e	masada gra	2- 6	117	73	1	538	0.2	62,946	117	62,946
ApB	2e	appling fi	2- 6	100	63	1	5,887	1.7	588,700	100	588,700
CcB2	2e	cecil fine	2- 6	100	63	1	18,813	5.3	1,881,300	100	1,881,300
FlB2	2e	fluvanna f	2- 6	100	63	1	200	0.1	20,000	100	20,000
GeB2	2e	georgevill	2- 6	100	63	1	7,676	2.2	767,600	100	767,600
GrB	2e	georgevill	2- 6	100	63	1	1,491	0.4	149,100	100	149,100
GwB	2e	gwinnett c	2- 6	100	63	1	577	0.2	57,700	100	57,700
HdB	2e	herndon lo	2- 6	100	63	1	367	0.1	36,700	100	36,700
MaB2	2e	madison lo	2- 6	100	63	1	901	0.3	90,100	100	90,100
MwB	2e	mayodan fi	2- 6	100	63	1	2,983	0.8	298,300	100	298,300
MyB2	2e	mayodan lo	2- 6	100	63	1	1,204	0.3	120,400	100	120,400
MzB2	2e	mecklenbur	2- 6	100	63	1	1,065	0.3	106,500	100	106,500
VaB	3e	vance fine	2- 6	100	63	1	588	0.2	58,800	100	58,800
VaB2	3e	vance fine	2- 6	100	63	1	701	0.2	70,100	100	70,100
AgB	2e	appling gr	2- 6	90	56	1	2,277	0.6	204,930	90	204,930
PeA	2s	penn silt	0- 2	85	53	1	764	0.2	64,940	85	64,940
PeB	2e	penn silt	2- 6	85	53	1	1,639	0.5	139,315	85	139,315
HaB	2e	helena fin	2- 6	65	41	1	882	0.2	57,330	65	57,330
						TOTAL	80,758	22.8	9,046,891		9,046,891

Weighted Average Yield = 112.02 Adjusted Weighted Average Yield = 112.02

Group Number 2

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
NaB	2e	nason loam	2- 6	100	63	S	1,029	0.3	102,900	100	102,900
TlB	2e	tatum loam	2- 6	100	63	S	7,038	2.0	703,800	100	703,800
IrB	2e	iredell lo	2- 6	65	41	S	3,082	0.9	200,330	65	200,330
IrB2	2e	iredell lo	2- 6	65	41	S	220	0.1	14,300	65	14,300
WeA	2e	white stor	0- 2	65	41	S	328	0.1	21,320	65	21,320
WeB	2e	white stor	2- 6	65	41	S	509	0.1	33,085	65	33,085
WgA	2e	white stor	0- 2	65	41	S	394	0.1	25,610	65	25,610

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
WgB	2e	white stor	2- 6	65	41	S	534	0.2	34,710	65	34,710
WhA	2e	white stor	0- 2	65	41	S	385	0.1	25,025	65	25,025
WhB	2e	white stor	2- 6	65	41	S	326	0.1	21,190	65	21,190
CxB3	2e	cullen cla	2- 6	130	81	0	1,458	0.4	189,540	130	189,540
To	2w	toccoa fin	0- 2	65	41	0	4,878	1.4	317,070	65	317,070
						TOTAL	20,181	5.7	1,688,880		1,688,880

Weighted Average Yield = 83.69 Adjusted Weighted Average Yield = 83.69

Group Number 3

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
CuC2	3e	cullen loa	6-15	114	71	S	17,338	4.9	1,976,532	114	1,976,532
HwC2	4e	hiwassee l	6-15	114	71	S	1,707	0.5	194,598	114	194,598
MpC	3e	masada fin	6-15	114	71	S	2,451	0.7	279,414	114	279,414
MsC2	3e	masada loa	6-12	114	71	S	404	0.1	46,056	114	46,056
TuC2	3e	turbeville	6-15	114	71	S	2,789	0.8	317,946	114	317,946
MrC	3e	masada gra	6-10	103	64	S	313	0.1	32,239	103	32,239
EnB	3e	enon fine	2- 6	100	63	S	1,052	0.3	105,200	100	105,200
ApC2	4e	appling fi	6-15	88	55	S	11,541	3.3	1,015,608	88	1,015,608
CcC2	4e	cecil fine	6-15	88	55	S	26,784	7.6	2,356,992	88	2,356,992
EnC2	4e	enon fine	6-10	88	55	S	1,558	0.4	137,104	88	137,104
FlC2	3e	fluvanna f	6-15	88	55	S	495	0.1	43,560	88	43,560
GeC2	4e	georgevill	6-15	88	55	S	8,918	2.5	784,784	88	784,784
HdC	3e	herndon lo	6-10	88	55	S	223	0.1	19,624	88	19,624
MaC2	4e	madison lo	6-15	88	55	S	3,516	1.0	309,408	88	309,408
MwC	4e	mayodan fi	6-15	88	55	S	2,695	0.8	237,160	88	237,160
MyC2	4e	mayodan lo	6-15	88	55	S	792	0.2	69,696	88	69,696
MzC2	4e	mecklenbur	6-15	88	55	S	2,813	0.8	247,544	88	247,544
NaC	3e	nason loam	6-15	88	55	S	6,551	1.8	576,488	88	576,488
TlC2	3e	tatum loam	6-15	88	55	S	19,226	5.4	1,691,888	88	1,691,888
VaC2	4e	vance fine	6-10	88	55	S	689	0.2	60,632	88	60,632
AgC	4s	appling gr	6-15	79	49	S	3,066	0.9	242,214	79	242,214
CdC	4e	cecil cobb	6-15	75	47	S	601	0.2	45,075	75	45,075
PkB	3e	pinkston f	2- 6	65	41	S	234	0.1	15,210	65	15,210
WkB	4e	wilkes loa	2- 6	65	41	S	218	0.1	14,170	65	14,170
HaC	4e	helena fin	6-15	57	36	S	272	0.1	15,504	57	15,504
IrC	3e	iredell lo	6-10	57	36	S	965	0.3	55,005	57	55,005
IrC2	3e	iredell lo	6-10	57	36	S	228	0.1	12,996	57	12,996
PkD	4e	pinkston f	6-15	52	33	S	763	0.2	39,676	52	39,676
CuE2	4e	cullen loa	15-25			S	5,858	1.7	0		0
FlE2	4e	fluvanna f	15-25			S	322	0.1	0		0
NaE	4e	nason loam	15-25			S	5,886	1.7	0		0
TlE2	4e	tatum loam	15-25			S	8,842	2.5	0		0
CxC3	4e	cullen cla	6-15	114	71	0	3,918	1.1	446,652	114	446,652
GwC	4e	gwinnett c	6-15	88	55	0	422	0.1	37,136	88	37,136
CeD3	4e	cecil clay	6-15	80	50	0	1,636	0.5	130,880	80	130,880
BrD	4e	bremo loam	6-15	52	33	0	736	0.2	38,272	52	38,272
						TOTAL	145,822	41.1	11,595,263		11,595,263

Weighted Average Yield = 79.52 Adjusted Weighted Average Yield = 79.52

Group Number 4

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
CeB3	3e	cecil clay	2- 6	100	63	0	470	0.1	47,000	100	47,000
TmD3	3e	tatum clay	6-15	80	50	0	911	0.3	72,880	80	72,880
PeC	3e	penn silt	6-15	75	47	0	720	0.2	54,000	75	54,000
URC	3e	urban land	2-15	43	27	0	272	0.1	11,628	43	11,628
UNC	3e	urban land	2-15	33	21	0	205	0.1	6,765	33	6,765
USC	3e	urban land	2-15	33	21	0	1,022	0.3	33,726	33	33,726
					TOTAL		3,600	1.0	225,999		225,999

Weighted Average Yield = 62.78 Adjusted Weighted Average Yield = 62.78

Group Number 5

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
Ch	3w	chewacla l	0- 2	140	88	0	1,546	0.4	216,440	140	216,440
CT	3w	chewacla-t	0- 2	110	69	0	10,318	2.9	1,134,980	110	1,134,980
WoB	4w	worsham so	0- 4	85	53	0	5,871	1.7	499,035	85	499,035
Wa	4w	wahee and	0- 2	80	50	0	728	0.2	58,468	80	58,468
Eb	4w	elbert loa	0- 4	65	41	0	1,073	0.3	69,745	65	69,745
Bu	4s	buncombe l	0- 4	65	41	0	565	0.2	36,725	65	36,725
Fo	5w	forestdale	0- 2	65	41	0	167	0.0	10,855	65	10,855
Ro	5w	roanoke si	0- 2	65	41	0	425	0.1	27,625	65	27,625
Wd	6w	wehadkee l	0- 2	65	41	0	971	0.3	63,115	65	63,115
					TOTAL		21,664	6.1	2,116,988		2,116,988

Weighted Average Yield = 97.72 Adjusted Weighted Average Yield = 97.72

Group Number 6

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
TaD	6e	tallapoosa	6-15	52	33	S	376	0.1	19,552	52	19,552
WkD	6e	wilkes loa	6-15	52	33	S	3,448	1.0	179,296	52	179,296
AwE2	6e	appling-we	15-25			S	1,204	0.3	0		0
AxE2	6e	appling-we	15-25			S	4,901	1.4	0		0
CcE2	6e	cecil fine	15-25			S	8,899	2.5	0		0
GeE2	6e	georgevill	15-25			S	1,466	0.4	0		0
HwE2	6e	hiwassee l	15-25			S	241	0.1	0		0
MaE2	6e	madison lo	15-25			S	2,645	0.7	0		0
MzE2	6e	mecklenbur	15-25			S	596	0.2	0		0
PpE	6e	pinkston a	15-25			S	1,095	0.3	0		0
LoD	6e	louisburg	6-15	68	43	0	1,319	0.4	89,692	68	89,692
McD	6e	manteo cha	6-15	44	28	0	2,716	0.8	119,504	44	119,504
BrE	6e	bremo loam	15-25			0	876	0.2	0		0
CeE3	6e	cecil clay	15-25			0	644	0.2	0		0
CxE3	6e	cullen cla	15-25			0	1,867	0.5	0		0

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
TmE3	6e	tatum clay	15-25			0	467	0.1	0		0
BrF	7e	bremo loam	25-60			0	425	0.1	0		0
LoE	7e	louisburg	15-25			0	3,031	0.9	0		0
LoF	7e	louisburg	25-60			0	2,263	0.6	0		0
MNE	7e	manteo-roc	25-60			0	326	0.1	0		0
McE	7e	manteo cha	15-25			0	7,109	2.0	0		0
McF	7e	manteo cha	25-60			0	12,047	3.4	0		0
TaE	7e	tallapoosa	15-25			O	1,469	0.4	0		0
TaF	7e	tallapoosa	25-60			0	1,563	0.4	0		0
WkE	7e	wilkes loa	15-25			O	8,359	2.4	0		0
WkF	7e	wilkes loa	25-60			0	5,261	1.5	0		0
WlE3	7e	wilkes soi	15-25			0	817	0.2	0		0
			TOTAL				75,430	21.3	408,044		408,044

Weighted Average Yield = 5.41 Adjusted Weighted Average Yield = 5.41

UNGROUPED Data

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
CFL	0	cut and fi	0- 0			0	574	0.2	0		0
NOTCO	0	not comple	0- 0			0	0	0.0	0		0
Qu	0	quarry min	0- 0			0	227	0.1	0		0
UL	0	urban land	2-25			0	4,792	1.4	0		0
W	0	water	0- 0			0	1,512	0.4	0		0

Summary Grouping

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	2e-3e	prime	41-100	22.8	22.8	80,758	80,758	100
2	2e	state	41- 63	3.9				75
	2e-2w	other	41- 81	1.8	28.5	20,181	100,939	75
3	3e-4s	state	0- 71	39.2				71
	4e	other	33- 71	1.9	69.6	145,822	246,761	71
4	3e	other	21- 63	1.0	70.6	3,600	250,361	56
5	3w	other	69- 88	3.3				87
	4w	other	41- 53	2.2				87
	4s	other	41- 41	0.2				87
	5w	other	41- 41	0.2				87
	6w	other	41- 41	0.3	76.7	21,664	272,025	87
6	6e	state	0- 33	7.0				5
	6e	other	0- 43	2.2				5
	7e	other	-	12.0	98.0	75,430	347,455	5

FPPA acres: 80,758 (72.9% of county)
Farmable acres: 272,025 (86.0% of county)
Grouped acres: 347,455
Total acres: 354,560

Note: The Computer Aided Land Evaluation System (CALES) web site is for NRCS and others responsible for the Land Evaluation portion of a Land Evaluation and Site Assessment (LESA) system. The CALES program requires significant user input and results vary based upon user knowledge and emphasis. Official NRCS Land Evaluation results to be used for the Farmland Protection Policy Act (FPPA) are approved by the NRCS State Conservationist and placed in the Field Office Technical Guide (FOTG). For more information contact your local or state NRCS office. The web site is http://nasis.usda.gov/cales/ .