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 : Charlotte County, Virginia (VA037)
130 Mapunits

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Indicator crop     : corn
Temperature Regime : thermic
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 soils	2- 6	2e	140	88	1	1,198	0.4
2	Ad	alluvial land	0- 2	2w	0	0		672	0.2
3	AfA	altavista fine sandy loam	0- 2	2w	160	100	1	264	0.1
4	AfB	altavista fine sandy loam	2- 6	2e	160	100	1	1,565	0.5
5	AfC2	altavista fine sandy loam	6-10	3e	141	88	S	290	0.1
6	AgB2	appling fine gravelly sandy l	2- 6	2s	90	56	1	3,863	1.3
7	AgD2	appling fine gravelly sandy l	6-15	4s	72	45	S	8,197	2.7
8	AgE2	appling fine gravelly sandy l	15-25	6e	0		S	536	0.2
9	AlB2	appling fine sandy loam	2- 6	2e	100	63	1	13,081	4.3
10	AlC	appling fine sandy loam	6-10	3e	88	55	S	1,124	0.4
11	AlD2	appling fine sandy loam	6-15	4e	80	50	S	18,079	6.0
12	AlE2	appling fine sandy loam	15-25	6e	0		S	939	0.3
13	AmB2	appling fine sandy loam	2- 6	2e	100	63	1	2,941	1.0
14	AmD2	appling fine sandy loam	6-15	4e	80	50	S	3,579	1.2
15	ApC3	appling clay loam	4-10	3e	62	39	0	1,095	0.4
16	ApE3	appling clay loam	10-20	6e	0		0	1,454	0.5
17	AuA	augusta fine sandy loam	0- 2	3w	100	63	2	878	0.3
18	AuB	augusta fine sandy loam	2- 6	3w	100	63	2	651	0.2
19	Bn	buncombe loamy sand	0- 2	5w	65	41	0	420	0.1
20	Bt	buncombe-toccoa complex	0- 2	5w	65	41	0	966	0.3
21	CcB2	cecil fine gravelly sandy loa	2- 6	2e	90	56	1	1,364	0.5
22	CcD2	cecil fine gravelly sandy loa	6-15	3e	72	45	S	925	0.3
23	CcE2	cecil fine gravelly sandy loa	15-25	4e	0		S	218	0.1
24	CeB2	cecil fine sandy loam	2- 6	2e	100	63	1	20,095	6.7
25	CeD2	cecil fine sandy loam	6-15	4e	80	50	S	15,612	5.2
26	CeE2	cecil fine sandy loam	15-25	6e	0		S	1,114	0.4
27	CfB2	cecil fine sandy loam	2- 6	2e	100	63	1	3,653	1.2
28	CfD2	cecil fine sandy loam	6-15	4e	80	50	S	2,870	1.0
29	CfE2	cecil fine sandy loam	15-25	6e	0		S	219	0.1
30	ClB3	cecil clay loam	2- 6	3e	70	44	0	488	0.2
31	ClD3	cecil clay loam	6-15	4e	56	35	0	965	0.3
32	ClE3	cecil clay loam	15-25	6e	0		0	722	0.2
33	CmB3	cecil clay loam	2- 6	3e	70	44	0	4,276	1.4
34	CmD3	cecil clay loam	6-15	4e	56	35	0	17,286	5.7
35	Cn	chewacla silt loam	0- 2	4w	140	88	0	4,205	1.4

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	acres pct
36	CoB	colfax fine sandy loam	2- 6	3w	85	53	0	575	0.2
37	Cr	congaree silt loam	0- 2	2w	160	100	1	1,362	0.5
38	CsB2	creedmoor sandy loam	2- 6	2e	65	41	S	681	0.2
39	CsC2	creedmoor sandy loam	6-10	3e	57	36	S	379	0.1
40	CuB2	cullen loam	2- 6	2e	130	81	S	1,163	0.4
41	CuD2	cullen loam	6-15	3e	104	65	S	2,352	0.8
42	CuE2	cullen loam	15-25	4e	0		S	462	0.2
43	CvB3	cullen clay loam	2- 6	3e	91	57	1	3,440	1.1
44	CvD3	cullen clay loam	6-15	4e	73	46	0	2,287	0.8
45	EnB2	enon fine sandy loam	2- 6	3e	100	63	1	2,304	0.8
46	EnC2	enon fine sandy loam	6-10	4e	88	55	S	1,908	0.6
47	EoC3	enon clay loam	4-12	6e	62	39	0	547	0.2
48	GeB2	georgeville silt loam	2- 6	2e	100	63	1	10,527	3.5
49	GeD2	georgeville silt loam	6-15	4e	80	50	S	5,892	2.0
50	GeE2	georgeville silt loam	15-25	6e	0		S	965	0.3
51	GgB3	georgeville silty clay loam	2- 6	3e	70	44	0	4,520	1.5
52	GgD3	georgeville silty clay loam	6-15	6e	56	35	0	4,580	1.5
53	GoC	goldston silt loam	4-10	4s	57	36	0	1,652	0.5
54	GoD	goldston silt loam	10-15	4s	52	33	0	2,895	1.0
55	GoF	goldston silt loam	15-35	7s	0		0	2,611	0.9
56	GrB2	grover sandy loam	2- 6	2e	100	63	1	304	0.1
57	GrD2	grover sandy loam	6-15	4e	80	50	S	687	0.2
58	GuE	gullied land-cecil complex	0-25	6e	0		0	1,799	0.6
59	HeB	helena fine gravelly sandy lo	2- 6	2e	59	37	1	424	0.1
60	HeC2	helena fine gravelly sandy lo	6-10	3e	52	33	S	226	0.1
61	HfB2	helena fine sandy loam	2- 6	2e	65	41	S	2,076	0.7
62	HfC2	helena fine sandy loam	6-10	3e	57	36	S	1,166	0.4
63	HnB2	herndon silt loam	2- 6	2e	100	63	1	5,502	1.8
64	HnD2	herndon silt loam	6-15	4e	80	50	S	8,572	2.8
65	HrB3	herndon silty clay loam	2- 6	3e	70	44	0	239	0.1
66	HrD3	herndon silty clay loam	6-15	6e	56	35	0	1,239	0.4
67	IrB	iredell loam	2- 6	2e	65	41	S	1,091	0.4
68	IrB2	iredell loam	2- 6	2e	65	41	S	1,517	0.5
69	IrC2	iredell loam	6-10	3e	57	36	S	1,304	0.4
70	LoD	louisa fine sandy loam	6-15	6e	52	33	0	442	0.1
71	LoF	louisa fine sandy loam	15-35	7e	0		0	1,065	0.4
72	LsE3	louisa and louisburg soils	15-25	7e	0		0	656	0.2
73	LuC	louisburg sandy loam	4-10	4e	75	47	0	1,123	0.4
74	LuD	louisburg sandy loam	10-15	6e	68	43	0	2,186	0.7
75	LuF	louisburg sandy loam	15-35	7e	0		0	2,890	1.0
76	MaB2	madison fine sandy loam	2- 6	2e	100	63	1	1,872	0.6
77	MaD2	madison fine sandy loam	6-15	4e	80	50	S	1,671	0.6
78	McB3	madison clay loam	2- 6	3e	70	44	0	867	0.3
79	McD3	madison clay loam	6-15	6e	56	35	0	2,204	0.7
80	MdE2	madison and grover fine sandy	15-25	6e	0		S	441	0.1
81	MeB2	masada fine sandy loam	2- 6	2e	130	81	1	1,343	0.4
82	MeD2	masada fine sandy loam	6-15	3e	104	65	S	1,570	0.5
83	MeE	masada fine sandy loam	15-25	4e	0		S	668	0.2
84	MfB2	mayodan sandy loam	2- 6	2e	100	63	1	521	0.2
85	MfD2	mayodan sandy loam	6-15	4e	80	50	S	501	0.2
86	MkB2	mecklenburg loam	2- 6	2e	100	63	1	376	0.1
87	MkC2	mecklenburg loam	6-12	3e	88	55	S	562	0.2
88	MlB	mecklenburg loam	2- 6	2e	100	63	1	359	0.1
89	MlC	mecklenburg loam	6-10	3e	88	55	S	585	0.2

line no.	**map symbl**	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
90	MlE	mecklenburg loam	10-25	6e	0		S	609	0.2
91	MlE3	mecklenburg loam	10-25	6e	0		0	362	0.1
92	OrB	orange silt loam	2- 6	3e	65	41	S	864	0.3
93	OrB2	orange silt loam	2- 6	3e	65	41	S	4,246	1.4
94	OrC2	orange silt loam	6-10	4e	57	36	S	976	0.3
95	PaB2	pacolet fine sandy loam	2- 6	2e	100	63	1	375	0.1
96	PaD2	pacolet fine sandy loam	6-15	4e	80	50	S	1,170	0.4
97	PaE2	pacolet fine sandy loam	15-25	6e	0		S	1,192	0.4
98	PcC3	pacolet clay loam	4-10	4e	62	39	0	344	0.1
99	PcD3	pacolet clay loam	10-15	6e	56	35	0	449	0.1
100	PkC	pinkston fine sandy loam	6-10	4e	57	36	0	227	0.1
101	PkE	pinkston fine sandy loam	10-25	6e	0		0	423	0.1
102	Ro	roanoke silt loam	0- 2	5w	65	41	0	1,256	0.4
103	SrB	starr loam	2- 6	2e	140	88	1	647	0.2
104	StB	state silt loam	2- 6	2w	160	100	1	283	0.1
105	To	toccoa fine sandy loam	0- 2	2w	65	41	1	282	0.1
106	TuB2	turbeville fine sandy loam	2- 6	2e	130	81	1	1,505	0.5
107	TuD2	turbeville fine sandy loam	6-15	3e	104	65	S	1,101	0.4
108	TuF2	turbeville fine sandy loam	15-35	6e	0		0	677	0.2
109	TvB3	turbeville clay loam	2- 6	3e	91	57	0	258	0.1
110	TvD3	turbeville clay loam	6-15	4e	73	46	0	754	0.3
111	VaB2	vance fine gravelly sandy loa	2- 6	3e	90	56	1	1,097	0.4
112	VaD2	vance fine gravelly sandy loa	6-15	4e	72	45	S	1,195	0.4
113	VcB2	vance fine sandy loam	2- 6	3e	100	63	1	1,564	0.5
114	VcC2	vance fine sandy loam	6-10	4e	88	55	S	1,073	0.4
115	VcD2	vance fine sandy loam	10-15	4e	80	50	S	458	0.2
116	W	water	0- 0	0	0		0	2,252	0.7
117	WdB2	wedowee fine sandy loam	2- 6	2e	100	63	1	335	0.1
118	WdD2	wedowee fine sandy loam	6-15	4e	80	50	S	1,183	0.4
119	We	wehadkee fine sandy loam	0- 2	6w	65	41	0	2,307	0.8
120	Wh	wehadkee silt loam	0- 2	6w	65	41	0	1,579	0.5
121	Wk	wehadkee-chewacla complex	0- 2	6w	100	63	0	14,521	4.8
122	WlB	wickham fine sandy loam	2- 6	2e	160	100	1	499	0.2
123	WlC2	wickham fine sandy loam	6-10	3e	141	88	S	152	0.1
124	WmB	wilkes fine sandy loam	2- 6	4e	65	41	0	841	0.3
125	WmD	wilkes fine sandy loam	6-15	6e	52	33	0	5,873	2.0
126	WmF	wilkes fine sandy loam	15-35	7e	0		0	6,987	2.3
127	WnC3	wilkes soils	4-10	4e	40	25	0	712	0.2
128	WnF3	wilkes soils	10-35	7e	0		0	2,917	1.0
129	Wo	worsham soils	0- 2	4w	85	53	0	2,240	0.7
130	Wr	worsham soils	0- 2	4w	85	53	0	393	0.1
								301,132	

Sorted by Productivity Index (prd ind)

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
1	AfA	altavista fine sandy loam	0- 2	2w	160	100	1	264	0.1
2	AfB	altavista fine sandy loam	2- 6	2e	160	100	1	1,565	0.5
3	Cr	congaree silt loam	0- 2	2w	160	100	1	1,362	0.5
4	StB	state silt loam	2- 6	2w	160	100	1	283	0.1
5	WlB	wickham fine sandy loam	2- 6	2e	160	100	1	499	0.2

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	acres pct
6	AfC2	altavista fine sandy loam	6-10	3e	141	88	S	290	0.1
7	WlC2	wickham fine sandy loam	6-10	3e	141	88	S	152	0.1
8	AbB	abell soils	2- 6	2e	140	88	1	1,198	0.4
9	Cn	chewacla silt loam	0- 2	4w	140	88	0	4,205	1.4
10	SrB	starr loam	2- 6	2e	140	88	1	647	0.2
11	CuB2	cullen loam	2- 6	2e	130	81	S	1,163	0.4
12	MeB2	masada fine sandy loam	2- 6	2e	130	81	1	1,343	0.4
13	TuB2	turbeville fine sandy loam	2- 6	2e	130	81	1	1,505	0.5
14	CuD2	cullen loam	6-15	3e	104	65	S	2,352	0.8
15	MeD2	masada fine sandy loam	6-15	3e	104	65	S	1,570	0.5
16	TuD2	turbeville fine sandy loam	6-15	3e	104	65	S	1,101	0.4
17	Wk	wehadkee-chewacla complex	0- 2	6w	100	63	0	14,521	4.8
18	AlB2	appling fine sandy loam	2- 6	2e	100	63	1	13,081	4.3
19	AmB2	appling fine sandy loam	2- 6	2e	100	63	1	2,941	1.0
20	AuA	augusta fine sandy loam	0- 2	3w	100	63	2	878	0.3
21	AuB	augusta fine sandy loam	2- 6	3w	100	63	2	651	0.2
22	CeB2	cecil fine sandy loam	2- 6	2e	100	63	1	20,095	6.7
23	CfB2	cecil fine sandy loam	2- 6	2e	100	63	1	3,653	1.2
24	EnB2	enon fine sandy loam	2- 6	3e	100	63	1	2,304	0.8
25	GeB2	georgeville silt loam	2- 6	2e	100	63	1	10,527	3.5
26	GrB2	grover sandy loam	2- 6	2e	100	63	1	304	0.1
27	HnB2	herndon silt loam	2- 6	2e	100	63	1	5,502	1.8
28	MaB2	madison fine sandy loam	2- 6	2e	100	63	1	1,872	0.6
29	MfB2	mayodan sandy loam	2- 6	2e	100	63	1	521	0.2
30	MkB2	mecklenburg loam	2- 6	2e	100	63	1	376	0.1
31	MlB	mecklenburg loam	2- 6	2e	100	63	1	359	0.1
32	PaB2	pacolet fine sandy loam	2- 6	2e	100	63	1	375	0.1
33	VcB2	vance fine sandy loam	2- 6	3e	100	63	1	1,564	0.5
34	WdB2	wedowee fine sandy loam	2- 6	2e	100	63	1	335	0.1
35	CvB3	cullen clay loam	2- 6	3e	91	57	1	3,440	1.1
36	TvB3	turbeville clay loam	2- 6	3e	91	57	0	258	0.1
37	AgB2	appling fine gravelly sandy l	2- 6	2s	90	56	1	3,863	1.3
38	CcB2	cecil fine gravelly sandy loa	2- 6	2e	90	56	1	1,364	0.5
39	VaB2	vance fine gravelly sandy loa	2- 6	3e	90	56	1	1,097	0.4
40	AlC	appling fine sandy loam	6-10	3e	88	55	S	1,124	0.4
41	EnC2	enon fine sandy loam	6-10	4e	88	55	S	1,908	0.6
42	MkC2	mecklenburg loam	6-12	3e	88	55	S	562	0.2
43	MlC	mecklenburg loam	6-10	3e	88	55	S	585	0.2
44	VcC2	vance fine sandy loam	6-10	4e	88	55	S	1,073	0.4
45	CoB	colfax fine sandy loam	2- 6	3w	85	53	0	575	0.2
46	Wo	worsham soils	0- 2	4w	85	53	0	2,240	0.7
47	Wr	worsham soils	0- 2	4w	85	53	0	393	0.1
48	AlD2	appling fine sandy loam	6-15	4e	80	50	S	18,079	6.0
49	AmD2	appling fine sandy loam	6-15	4e	80	50	S	3,579	1.2
50	CeD2	cecil fine sandy loam	6-15	4e	80	50	S	15,612	5.2
51	CfD2	cecil fine sandy loam	6-15	4e	80	50	S	2,870	1.0
52	GeD2	georgeville silt loam	6-15	4e	80	50	S	5,892	2.0
53	GrD2	grover sandy loam	6-15	4e	80	50	S	687	0.2
54	HnD2	herndon silt loam	6-15	4e	80	50	S	8,572	2.8
55	MaD2	madison fine sandy loam	6-15	4e	80	50	S	1,671	0.6
56	MfD2	mayodan sandy loam	6-15	4e	80	50	S	501	0.2
57	PaD2	pacolet fine sandy loam	6-15	4e	80	50	S	1,170	0.4
58	VcD2	vance fine sandy loam	10-15	4e	80	50	S	458	0.2
59	WdD2	wedowee fine sandy loam	6-15	4e	80	50	S	1,183	0.4

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
60	LuC	louisburg sandy loam	4-10	4e	75	47	0	1,123	0.4
61	CvD3	cullen clay loam	6-15	4e	73	46	0	2,287	0.8
62	TvD3	turbeville clay loam	6-15	4e	73	46	0	754	0.3
63	AgD2	appling fine gravelly sandy l	6-15	4s	72	45	S	8,197	2.7
64	CcD2	cecil fine gravelly sandy loa	6-15	3e	72	45	S	925	0.3
65	VaD2	vance fine gravelly sandy loa	6-15	4e	72	45	S	1,195	0.4
66	ClB3	cecil clay loam	2- 6	3e	70	44	0	488	0.2
67	CmB3	cecil clay loam	2- 6	3e	70	44	0	4,276	1.4
68	GgB3	georgeville silty clay loam	2- 6	3e	70	44	0	4,520	1.5
69	HrB3	herndon silty clay loam	2- 6	3e	70	44	0	239	0.1
70	McB3	madison clay loam	2- 6	3e	70	44	0	867	0.3
71	LuD	louisburg sandy loam	10-15	6e	68	43	0	2,186	0.7
72	Bn	buncombe loamy sand	0- 2	5w	65	41	0	420	0.1
73	Bt	buncombe-toccoa complex	0- 2	5w	65	41	0	966	0.3
74	CsB2	creedmoor sandy loam	2- 6	2e	65	41	S	681	0.2
75	HfB2	helena fine sandy loam	2- 6	2e	65	41	S	2,076	0.7
76	IrB	iredell loam	2- 6	2e	65	41	S	1,091	0.4
77	IrB2	iredell loam	2- 6	2e	65	41	S	1,517	0.5
78	OrB	orange silt loam	2- 6	3e	65	41	S	864	0.3
79	OrB2	orange silt loam	2- 6	3e	65	41	S	4,246	1.4
80	Ro	roanoke silt loam	0- 2	5w	65	41	0	1,256	0.4
81	To	toccoa fine sandy loam	0- 2	2w	65	41	1	282	0.1
82	We	wehadkee fine sandy loam	0- 2	6w	65	41	0	2,307	0.8
83	Wh	wehadkee silt loam	0- 2	6w	65	41	0	1,579	0.5
84	WmB	wilkes fine sandy loam	2- 6	4e	65	41	0	841	0.3
85	ApC3	appling clay loam	4-10	3e	62	39	0	1,095	0.4
86	EoC3	enon clay loam	4-12	6e	62	39	0	547	0.2
87	PcC3	pacolet clay loam	4-10	4e	62	39	0	344	0.1
88	HeB	helena fine gravelly sandy lo	2- 6	2e	59	37	1	424	0.1
89	CsC2	creedmoor sandy loam	6-10	3e	57	36	S	379	0.1
90	GoC	goldston silt loam	4-10	4s	57	36	0	1,652	0.5
91	HfC2	helena fine sandy loam	6-10	3e	57	36	S	1,166	0.4
92	IrC2	iredell loam	6-10	3e	57	36	S	1,304	0.4
93	OrC2	orange silt loam	6-10	4e	57	36	S	976	0.3
94	PkC	pinkston fine sandy loam	6-10	4e	57	36	0	227	0.1
95	ClD3	cecil clay loam	6-15	4e	56	35	0	965	0.3
96	CmD3	cecil clay loam	6-15	4e	56	35	0	17,286	5.7
97	GgD3	georgeville silty clay loam	6-15	6e	56	35	0	4,580	1.5
98	HrD3	herndon silty clay loam	6-15	6e	56	35	0	1,239	0.4
99	McD3	madison clay loam	6-15	6e	56	35	0	2,204	0.7
100	PcD3	pacolet clay loam	10-15	6e	56	35	0	449	0.1
101	GoD	goldston silt loam	10-15	4s	52	33	0	2,895	1.0
102	HeC2	helena fine gravelly sandy lo	6-10	3e	52	33	S	226	0.1
103	LoD	louisa fine sandy loam	6-15	6e	52	33	0	442	0.1
104	WmD	wilkes fine sandy loam	6-15	6e	52	33	0	5,873	2.0
105	WnC3	wilkes soils	4-10	4e	40	25	0	712	0.2
106	Ad	alluvial land	0- 2	2w		0	0	672	0.2
107	AgE2	appling fine gravelly sandy l	15-25	6e		0	S	536	0.2
108	AlE2	appling fine sandy loam	15-25	6e		0	S	939	0.3
109	ApE3	appling clay loam	10-20	6e		0	0	1,454	0.5
110	CcE2	cecil fine gravelly sandy loa	15-25	4e		0	S	218	0.1
111	CeE2	cecil fine sandy loam	15-25	6e		0	S	1,114	0.4
112	CfE2	cecil fine sandy loam	15-25	6e		0	S	219	0.1
113	ClE3	cecil clay loam	15-25	6e		0	0	722	0.2

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
114	CuE2	cullen loam	15-25	4e		0	S	462	0.2
115	GeE2	georgeville silt loam	15-25	6e		0	S	965	0.3
116	GoF	goldston silt loam	15-35	7s		0	0	2,611	0.9
117	GuE	gullied land-cecil complex	0-25	6e		0	0	1,799	0.6
118	LoF	louisa fine sandy loam	15-35	7e		0	0	1,065	0.4
119	LsE3	louisa and louisburg soils	15-25	7e		0	0	656	0.2
120	LuF	louisburg sandy loam	15-35	7e		0	0	2,890	1.0
121	MdE2	madison and grover fine sandy	15-25	6e		0	S	441	0.1
122	MeE	masada fine sandy loam	15-25	4e		0	S	668	0.2
123	MlE	mecklenburg loam	10-25	6e		0	S	609	0.2
124	MlE3	mecklenburg loam	10-25	6e		0	0	362	0.1
125	PaE2	pacolet fine sandy loam	15-25	6e		0	S	1,192	0.4
126	PkE	pinkston fine sandy loam	10-25	6e		0	0	423	0.1
127	TuF2	turbeville fine sandy loam	15-35	6e		0	0	677	0.2
128	W	water	0- 0	0		0	0	2,252	0.7
129	WmF	wilkes fine sandy loam	15-35	7e		0	0	6,987	2.3
130	WnF3	wilkes soils	10-35	7e		0	0	2,917	1.0
								301,132	

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
AbB	2e	abell soil	2- 6	140	88	1	1,198	0.4	167,720	140	167,720
AfA	2w	altavista	0- 2	160	100	1	264	0.1	42,240	160	42,240
AfB	2e	altavista	2- 6	160	100	1	1,565	0.5	250,400	160	250,400
AgB2	2s	appling fi	2- 6	90	56	1	3,863	1.3	347,670	90	347,670
AlB2	2e	appling fi	2- 6	100	63	1	13,081	4.3	1,308,100	100	1,308,100
AmB2	2e	appling fi	2- 6	100	63	1	2,941	1.0	294,100	100	294,100
CcB2	2e	cecil fine	2- 6	90	56	1	1,364	0.5	122,760	90	122,760
CeB2	2e	cecil fine	2- 6	100	63	1	20,095	6.7	2,009,500	100	2,009,500
CfB2	2e	cecil fine	2- 6	100	63	1	3,653	1.2	365,300	100	365,300
Cr	2w	congaree s	0- 2	160	100	1	1,362	0.5	217,920	160	217,920
GeB2	2e	georgevill	2- 6	100	63	1	10,527	3.5	1,052,700	100	1,052,700
GrB2	2e	grover san	2- 6	100	63	1	304	0.1	30,400	100	30,400
HeB	2e	helena fin	2- 6	59	37	1	424	0.1	25,016	59	25,016
HnB2	2e	herndon si	2- 6	100	63	1	5,502	1.8	550,200	100	550,200
MaB2	2e	madison fi	2- 6	100	63	1	1,872	0.6	187,200	100	187,200
MeB2	2e	masada fin	2- 6	130	81	1	1,343	0.4	174,590	130	174,590
MfB2	2e	mayodan sa	2- 6	100	63	1	521	0.2	52,100	100	52,100
MkB2	2e	mecklenbur	2- 6	100	63	1	376	0.1	37,600	100	37,600
MlB	2e	mecklenbur	2- 6	100	63	1	359	0.1	35,900	100	35,900
PaB2	2e	pacolet fi	2- 6	100	63	1	375	0.1	37,500	100	37,500
SrB	2e	starr loam	2- 6	140	88	1	647	0.2	90,580	140	90,580
StB	2w	state silt	2- 6	160	100	1	283	0.1	45,280	160	45,280
To	2w	toccoa fin	0- 2	65	41	1	282	0.1	18,330	65	18,330
TuB2	2e	turbeville	2- 6	130	81	1	1,505	0.5	195,650	130	195,650
WdB2	2e	wedowee fi	2- 6	100	63	1	335	0.1	33,500	100	33,500
WlB	2e	wickham fi	2- 6	160	100	1	499	0.2	79,840	160	79,840
						TOTAL	74,540	24.8	7,772,096		7,772,096

Weighted Average Yield = 104.27 Adjusted Weighted Average Yield = 104.27

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
AuA	3w	augusta fi	0- 2	100	63	2	878	0.3	87,800	100	87,800
AuB	3w	augusta fi	2- 6	100	63	2	651	0.2	65,100	100	65,100
CvB3	3e	cullen cla	2- 6	91	57	1	3,440	1.1	313,040	91	313,040
EnB2	3e	enon fine	2- 6	100	63	1	2,304	0.8	230,400	100	230,400
VaB2	3e	vance fine	2- 6	90	56	1	1,097	0.4	98,730	90	98,730
VcB2	3e	vance fine	2- 6	100	63	1	1,564	0.5	156,400	100	156,400
						TOTAL	9,934	3.3	951,470		951,470

Weighted Average Yield = 95.78 Adjusted Weighted Average Yield = 95.78

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
CsB2	2e	creedmoor	2- 6	65	41	S	681	0.2	44,265	65	44,265
CuB2	2e	cullen loa	2- 6	130	81	S	1,163	0.4	151,190	130	151,190
HfB2	2e	helena fin	2- 6	65	41	S	2,076	0.7	134,940	65	134,940
IrB	2e	iredell lo	2- 6	65	41	S	1,091	0.4	70,915	65	70,915
IrB2	2e	iredell lo	2- 6	65	41	S	1,517	0.5	98,605	65	98,605
AfC2	3e	altavista	6-10	141	88	S	290	0.1	40,890	141	40,890
AlC	3e	appling fi	6-10	88	55	S	1,124	0.4	98,912	88	98,912
CcD2	3e	cecil fine	6-15	72	45	S	925	0.3	66,600	72	66,600
CsC2	3e	creedmoor	6-10	57	36	S	379	0.1	21,603	57	21,603
CuD2	3e	cullen loa	6-15	104	65	S	2,352	0.8	244,608	104	244,608
HeC2	3e	helena fin	6-10	52	33	S	226	0.1	11,752	52	11,752
HfC2	3e	helena fin	6-10	57	36	S	1,166	0.4	66,462	57	66,462
IrC2	3e	iredell lo	6-10	57	36	S	1,304	0.4	74,328	57	74,328
MeD2	3e	masada fin	6-15	104	65	S	1,570	0.5	163,280	104	163,280
MkC2	3e	mecklenbur	6-12	88	55	S	562	0.2	49,456	88	49,456
MlC	3e	mecklenbur	6-10	88	55	S	585	0.2	51,480	88	51,480
OrB	3e	orange sil	2- 6	65	41	S	864	0.3	56,160	65	56,160
OrB2	3e	orange sil	2- 6	65	41	S	4,246	1.4	275,990	65	275,990
TuD2	3e	turbeville	6-15	104	65	S	1,101	0.4	114,504	104	114,504
WlC2	3e	wickham fi	6-10	141	88	S	152	0.1	21,432	141	21,432
						TOTAL	23,374	7.8	1,857,372		1,857,372

Weighted Average Yield = 79.46 Adjusted Weighted Average Yield = 79.46

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
ApC3	3e	appling cl	4-10	62	39	0	1,095	0.4	67,890	62	67,890
ClB3	3e	cecil clay	2- 6	70	44	0	488	0.2	34,160	70	34,160
CmB3	3e	cecil clay	2- 6	70	44	0	4,276	1.4	299,320	70	299,320
CoB	3w	colfax fin	2- 6	85	53	0	575	0.2	48,875	85	48,875
GgB3	3e	georgevill	2- 6	70	44	0	4,520	1.5	316,400	70	316,400
HrB3	3e	herndon si	2- 6	70	44	0	239	0.1	16,730	70	16,730
McB3	3e	madison cl	2- 6	70	44	0	867	0.3	60,690	70	60,690
TvB3	3e	turbeville	2- 6	91	57	0	258	0.1	23,478	91	23,478
AgD2	4s	appling fi	6-15	72	45	S	8,197	2.7	590,184	72	590,184
AlD2	4e	appling fi	6-15	80	50	S	18,079	6.0	1,446,320	80	1,446,320
AmD2	4e	appling fi	6-15	80	50	S	3,579	1.2	286,320	80	286,320
CcE2	4e	cecil fine	15-25			S	218	0.1	0		0
CeD2	4e	cecil fine	6-15	80	50	S	15,612	5.2	1,248,960	80	1,248,960
CfD2	4e	cecil fine	6-15	80	50	S	2,870	1.0	229,600	80	229,600
CuE2	4e	cullen loa	15-25			S	462	0.2	0		0
EnC2	4e	enon fine	6-10	88	55	S	1,908	0.6	167,904	88	167,904
GeD2	4e	georgevill	6-15	80	50	S	5,892	2.0	471,360	80	471,360
GrD2	4e	grover san	6-15	80	50	S	687	0.2	54,960	80	54,960
HnD2	4e	herndon si	6-15	80	50	S	8,572	2.8	685,760	80	685,760
MaD2	4e	madison fi	6-15	80	50	S	1,671	0.6	133,680	80	133,680

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
MeE	4e	masada fin	15-25			S	668	0.2	0		0
MfD2	4e	mayodan sa	6-15	80	50	S	501	0.2	40,080	80	40,080
OrC2	4e	orange sil	6-10	57	36	S	976	0.3	55,632	57	55,632
PaD2	4e	pacolet fi	6-15	80	50	S	1,170	0.4	93,600	80	93,600
VaD2	4e	vance fine	6-15	72	45	S	1,195	0.4	86,040	72	86,040
VcC2	4e	vance fine	6-10	88	55	S	1,073	0.4	94,424	88	94,424
VcD2	4e	vance fine	10-15	80	50	S	458	0.2	36,640	80	36,640
WdD2	4e	wedowee fi	6-15	80	50	S	1,183	0.4	94,640	80	94,640
					TOTAL		87,289	29.0	6,683,647		6,683,647

Weighted Average Yield = 76.57 Adjusted Weighted Average Yield = 76.57

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
ClD3	4e	cecil clay	6-15	56	35	0	965	0.3	54,040	56	54,040
CmD3	4e	cecil clay	6-15	56	35	0	17,286	5.7	968,016	56	968,016
Cn	4w	chewacla s	0- 2	140	88	0	4,205	1.4	588,700	140	588,700
CvD3	4e	cullen cla	6-15	73	46	0	2,287	0.8	166,951	73	166,951
GoC	4s	goldston s	4-10	57	36	0	1,652	0.5	94,164	57	94,164
GoD	4s	goldston s	10-15	52	33	0	2,895	1.0	150,540	52	150,540
LuC	4e	louisburg	4-10	75	47	0	1,123	0.4	84,225	75	84,225
PcC3	4e	pacolet cl	4-10	62	39	0	344	0.1	21,328	62	21,328
PkC	4e	pinkston f	6-10	57	36	0	227	0.1	12,939	57	12,939
TvD3	4e	turbeville	6-15	73	46	0	754	0.3	55,042	73	55,042
WmB	4e	wilkes fin	2- 6	65	41	0	841	0.3	54,665	65	54,665
WnC3	4e	wilkes soi	4-10	40	25	0	712	0.2	28,480	40	28,480
Wo	4w	worsham so	0- 2	85	53	0	2,240	0.7	190,400	85	190,400
Wr	4w	worsham so	0- 2	85	53	0	393	0.1	33,405	85	33,405
Bn	5w	buncombe l	0- 2	65	41	0	420	0.1	27,300	65	27,300
Bt	5w	buncombe-t	0- 2	65	41	0	966	0.3	62,790	65	62,790
Ro	5w	roanoke si	0- 2	65	41	0	1,256	0.4	81,640	65	81,640
AgE2	6e	appling fi	15-25			S	536	0.2	0		0
AlE2	6e	appling fi	15-25			S	939	0.3	0		0
CeE2	6e	cecil fine	15-25			S	1,114	0.4	0		0
CfE2	6e	cecil fine	15-25			S	219	0.1	0		0
GeE2	6e	georgevill	15-25			S	965	0.3	0		0
MdE2	6e	madison an	15-25			S	441	0.1	0		0
MlE	6e	mecklenbur	10-25			S	609	0.2	0		0
PaE2	6e	pacolet fi	15-25			S	1,192	0.4	0		0
ApE3	6e	appling cl	10-20			0	1,454	0.5	0		0
ClE3	6e	cecil clay	15-25			0	722	0.2	0		0
EoC3	6e	enon clay	4-12	62	39	0	547	0.2	33,914	62	33,914
GgD3	6e	georgevill	6-15	56	35	0	4,580	1.5	256,480	56	256,480
GuE	6e	gullied la	0-25			0	1,799	0.6	0		0
HrD3	6e	herndon si	6-15	56	35	0	1,239	0.4	69,384	56	69,384
LoD	6e	louisa fin	6-15	52	33	0	442	0.1	22,984	52	22,984
LuD	6e	louisburg	10-15	68	43	0	2,186	0.7	148,648	68	148,648
McD3	6e	madison cl	6-15	56	35	0	2,204	0.7	123,424	56	123,424
MlE3	6e	mecklenbur	10-25			0	362	0.1	0		0

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
PcD3	6e	pacolet cl	10-15	56	35	0	449	0.1	25,144	56	25,144
PkE	6e	pinkston f	10-25			0	423	0.1	0		0
TuF2	6e	turbeville	15-35			0	677	0.2	0		0
We	6w	wehadkee f	0- 2	65	41	0	2,307	0.8	149,955	65	149,955
Wh	6w	wehadkee s	0- 2	65	41	0	1,579	0.5	102,635	65	102,635
Wk	6w	wehadkee-c	0- 2	100	63	0	14,521	4.8	1,456,371	100	1,456,371
WmD	6e	wilkes fin	6-15	52	33	0	5,873	2.0	305,396	52	305,396
						TOTAL	85,945	28.5	5,368,960		5,368,960

Weighted Average Yield = 62.47 Adjusted Weighted Average Yield = 62.47

Group Number 6

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
GoF	7s	goldston s	15-35			0	2,611	0.9	0		0
LoF	7e	louisa fin	15-35			0	1,065	0.4	0		0
LsE3	7e	louisa and	15-25			0	656	0.2	0		0
LuF	7e	louisburg	15-35			0	2,890	1.0	0		0
WmF	7e	wilkes fin	15-35			0	6,987	2.3	0		0
WnF3	7e	wilkes soi	10-35			0	2,917	1.0	0		0
						TOTAL	17,126	5.7	0		0

Weighted Average Yield = 0.00 Adjusted Weighted Average Yield = 0.00

UNGROUPED Data

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
Ad	2w	alluvial l	0- 2			0	672	0.2	0		0
W	0	water	0- 0			0	2,252	0.7	0		0

Summary Grouping

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	2e-2s	prime	37-100	24.8	24.8	74,540	74,540	100
2	3e-3w	prime	56- 63	3.3	28.1	9,934	84,474	92
3	2e-2w	state	41- 81	2.2				76
	3e-3w	state	33- 88	5.6	35.8	23,374	107,848	76
4	3e-3w	other	39- 57	4.1				73
	4e-4s	state	0- 55	24.9	64.8	87,289	195,137	73
5	4e-4s	other	25- 88	11.9				60
	5w	other	41- 41	0.9				60
	6e	state	-	2.0				60
	6e-6w	other	0- 63	13.7	93.3	85,945	281,082	60
6	7e-7s	other	-	5.7	99.0	17,126	298,208	0

FPPA acres: 195,137 (62.7% of county)
Farmable acres: 281,082 (91.3% of county)
Grouped acres: 298,208
Total acres: 301,132

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/ .