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 : Louisa County, Virginia (VA109)
106 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	AV	ashlar-manteo-rock outcrop co	10-45	6s	0	0		548	0.2
2	AbB	abell fine sandy loam	2- 7	2w	140	88	1	4,719	1.4
3	AcB	abell silt loam	2- 7	2w	140	88	1	550	0.2
4	AeB	abell loam	2- 7	2w	140	88	1	641	0.2
5	AlB	altavista fine sandy loam	2- 7	2e	160	100	1	2,063	0.6
6	AnB2	appling sandy loam	2- 7	2e	100	63	1	34,074	10.4
7	AnC2	appling sandy loam	7-15	3e	88	55	S	21,380	6.5
8	ApB3	appling sandy clay loam	2- 7	3e	70	44	0	1,163	0.4
9	ArC3	appling-wedowee sandy clay lo	7-15	4e	62	39	0	3,524	1.1
10	AsB	ashlar sandy loam	2- 7	3e	85	53	0	395	0.1
11	AsC	ashlar sandy loam	7-15	4e	75	47	0	4,566	1.4
12	AsC3	ashlar sandy loam	7-15	6e	54	34	0	653	0.2
13	AsD	ashlar sandy loam	15-25	6e	68	43	0	3,625	1.1
14	AsD3	ashlar sandy loam	15-30	7e	48	30	0	610	0.2
15	CO	congaree-chewacla complex	0- 2	2w	151	94	S	2,037	0.6
16	CcB2	cecil sandy loam	2- 7	2e	100	63	1	11,365	3.5
17	CcC2	cecil sandy loam	7-15	3e	88	55	S	3,811	1.2
18	CeB3	cecil clay loam	2- 7	3e	70	44	0	1,978	0.6
19	CfC3	cecil-pacolet clay loams	7-15	4e	62	39	0	4,754	1.5
20	CfL	cut and fill land	0- 0	8e	0	0		150	0.0
21	Ch	chewacla silt loam	0- 2	3w	140	88	0	2,920	0.9
22	ClB	colfax fine sandy loam	2- 7	3w	85	53	0	3,356	1.0
23	Cn	congaree silt loam	0- 2	2w	160	100	1	590	0.2
24	CuB2	cullen loam	2- 7	2e	130	81	1	1,947	0.6
25	CuC2	cullen loam	7-15	3e	114	71	S	642	0.2
26	CwB3	cullen clay loam	2- 7	3e	91	57	0	229	0.1
27	CwC3	cullen clay loam	7-15	4e	80	50	0	566	0.2
28	DuB	durham fine sandy loam	2- 5	2e	85	53	1	2,284	0.7
29	Eb	elbert silt loam	0- 2	5w	65	41	0	701	0.2
30	FN	fluvaquents	0- 2	7w	80	50	0	931	0.3
31	FlB2	fluvanna fine sandy loam	2- 7	2e	100	63	1	1,142	0.3
32	FlC2	fluvanna fine sandy loam	7-15	3e	88	55	S	966	0.3
33	Fo	forestdale silt loam	0- 2	5w	65	41	0	225	0.1
34	FrB	fork fine sandy loam	0- 5	3w	100	63	S	1,452	0.4

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
35	GrB2	grover sandy loam	2- 7	2e	100	63	1	3,518	1.1
36	GrC2	grover sandy loam	7-15	3e	88	55	S	5,161	1.6
37	GvB3	grover sandy clay loam	2- 7	3e	70	44	0	242	0.1
38	GvC3	grover sandy clay loam	7-15	4e	62	39	0	1,818	0.6
39	IdB	iredell sandy loam	2- 7	3e	65	41	S	694	0.2
40	IdB2	iredell sandy loam	2- 7	3e	65	41	S	1,488	0.5
41	IdC2	iredell sandy loam	7-15	4e	57	36	S	789	0.2
42	IrA	iredell loam	0- 2	3w	65	41	S	1,352	0.4
43	IrB	iredell loam	2- 7	3e	65	41	S	293	0.1
44	Iv	iredell silt loam	0- 2	4w	65	41	S	271	0.1
45	LgB	lignum loam	2- 7	3w	65	41	S	3,510	1.1
46	MaB2	madison sandy loam	2- 7	2e	100	63	1	1,601	0.5
47	MaC2	madison sandy loam	7-15	3e	88	55	S	660	0.2
48	Md	mine dump	0- 0	8s	0	0		346	0.1
49	MdB3	madison clay loam	2- 7	3e	70	44	0	399	0.1
50	MdC3	madison clay loam	7-15	4e	62	39	0	1,416	0.4
51	MnB	manteo channery silt loam	2- 7	4e	55	34	0	256	0.1
52	MnC	manteo channery silt loam	7-15	6e	49	31	0	1,570	0.5
53	MnD	manteo channery silt loam	15-25	7e	44	28	0	2,757	0.8
54	MnE	manteo channery silt loam	25-45	7e	0	0		374	0.1
55	MoC	manteo very channery silt loa	7-15	6s	40	25	0	325	0.1
56	MoD	manteo very channery silt loa	15-25	7s	0	0	0	1,305	0.4
57	MsB2	masada fine sandy loam	2- 7	2e	130	81	1	3,088	0.9
58	MsC2	masada fine sandy loam	7-15	3e	114	71	S	869	0.3
59	MuB2	mecklenburg-enon loams	2- 7	2e	100	63	S	512	0.2
60	MuC2	mecklenburg-enon loams	7-15	3e	88	55	S	225	0.1
61	MvC3	mecklenburg-enon clay loams	7-15	4e	62	39	0	149	0.0
62	NaD2	nason loam	15-25	4e	80	50	S	2,314	0.7
63	NoB2	nason silt loam	2- 7	2e	100	63	S	34,555	10.6
64	NoC2	nason silt loam	7-15	3e	88	55	S	34,762	10.6
65	NsB3	nason silty clay loam	2- 7	3e	70	44	0	143	0.0
66	NsC3	nason silty clay loam	7-15	4e	62	39	0	950	0.3
67	OrB	orange silt loam	2- 7	3e	65	41	S	1,269	0.4
68	OxB	orange-poindexter complex	2- 7	3e	73	45	S	239	0.1
69	PaB2	pacolet-cecil sandy loams	2- 7	2e	100	63	1	3,841	1.2
70	PaC2	pacolet-cecil sandy loams	7-15	3e	80	50	S	1,718	0.5
71	PaD2	pacolet-cecil sandy loams	15-25	4e	80	50	S	385	0.1
72	PcD3	pacolet-cecil clay loams	15-25	6e	56	35	0	240	0.1
73	PxB	poindexter loam	2- 7	3e	85	53	1	916	0.3
74	PxC	poindexter loam	7-15	4e	75	47	S	1,463	0.4
75	PxC3	poindexter loam	7-15	6e	52	33	0	191	0.1
76	PxD	poindexter loam	15-25	6e	68	43	S	305	0.1
77	QU	quarry	0- 0	8s	0	0		61	0.0
78	RoB	roanoke silt loam	2- 7	5w	65	41	0	1,000	0.3
79	SP	sekil-poindexter-rock outcrop	10-45	6s	0	0		563	0.2
80	SeB	sekil sandy loam	2- 7	3e	85	53	0	582	0.2
81	SeC	sekil sandy loam	7-15	4e	75	47	0	3,115	1.0
82	SeC3	sekil sandy loam	7-15	6e	52	33	0	378	0.1
83	SeD	sekil sandy loam	15-25	6e	68	43	0	1,989	0.6
84	SeE	sekil sandy loam	25-45	7e	0	0		242	0.1
85	TaB2	tatum silt loam	2- 7	2e	100	63	S	26,874	8.2
86	TaC2	tatum silt loam	7-15	3e	88	55	S	6,677	2.0
87	TaD2	tatum silt loam	15-25	4e	80	50	S	211	0.1
88	TmB3	tatum silty clay loam	2- 7	3e	70	44	0	818	0.3

line no.	**map symbl**	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
89	TmC3	tatum silty clay loam	7-15	4e	62	39	0	2,680	0.8
90	TmD3	tatum silty clay loam	15-25	6e	56	35	0	152	0.0
91	To	toccoa loamy fine sandy	0- 2	3s	65	41	0	274	0.1
92	Ts	toccoa fine sandy loam	0- 2	2w	65	41	1	1,139	0.3
93	TuB	turbeville fine sandy loam	2-12	2e	130	81	S	379	0.1
94	W	water	0- 0	0		0	0	5,186	1.6
95	WH	wehadkee-chewacla complex	0- 2	4w	98	61	0	11,806	3.6
96	WaB2	wedowee-appling sandy loams	2- 7	2e	100	63	1	4,083	1.2
97	WaC2	wedowee-appling sandy loams	7-15	3e	88	55	S	5,838	1.8
98	WaD2	wedowee-appling sandy loams	15-25	4e	80	50	S	1,000	0.3
99	WdD3	wedowee-appling sandy clay lo	15-25	6e	56	35	0	157	0.0
100	We	wehadkee silt loam	0- 2	4w	65	41	0	1,355	0.4
101	WkB	wickham fine sandy loam	2- 7	2e	160	100	1	240	0.1
102	WoB	worsham fine sandy loam	2- 7	5w	85	53	0	7,822	2.4
103	YoB	york silt loam	2-10	3w	85	53	S	398	0.1
104	ZoB	zion loam	2- 7	2e	130	81	0	577	0.2
105	ZoB2	zion loam	2- 7	3e	130	81	0	1,858	0.6
106	ZoC2	zion loam	7-15	4e	114	71	0	610	0.2
								326,900	

Sorted by Productivity Index (prd ind)

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
1	AlB	altavista fine sandy loam	2- 7	2e	160	100	1	2,063	0.6
2	Cn	congaree silt loam	0- 2	2w	160	100	1	590	0.2
3	WkB	wickham fine sandy loam	2- 7	2e	160	100	1	240	0.1
4	CO	congaree-chewacla complex	0- 2	2w	151	94	S	2,037	0.6
5	AbB	abell fine sandy loam	2- 7	2w	140	88	1	4,719	1.4
6	AcB	abell silt loam	2- 7	2w	140	88	1	550	0.2
7	AeB	abell loam	2- 7	2w	140	88	1	641	0.2
8	Ch	chewacla silt loam	0- 2	3w	140	88	0	2,920	0.9
9	CuB2	cullen loam	2- 7	2e	130	81	1	1,947	0.6
10	MsB2	massada fine sandy loam	2- 7	2e	130	81	1	3,088	0.9
11	TuB	turbeville fine sandy loam	2-12	2e	130	81	S	379	0.1
12	ZoB	zion loam	2- 7	2e	130	81	0	577	0.2
13	ZoB2	zion loam	2- 7	3e	130	81	0	1,858	0.6
14	CuC2	cullen loam	7-15	3e	114	71	S	642	0.2
15	MsC2	masada fine sandy loam	7-15	3e	114	71	S	869	0.3
16	ZoC2	zion loam	7-15	4e	114	71	0	610	0.2
17	AnB2	appling sandy loam	2- 7	2e	100	63	1	34,074	10.4
18	CcB2	cecil sandy loam	2- 7	2e	100	63	1	11,365	3.5
19	FlB2	fluvanna fine sandy loam	2- 7	2e	100	63	1	1,142	0.3
20	FrB	fork fine sandy loam	0- 5	3w	100	63	S	1,452	0.4
21	GrB2	grover sandy loam	2- 7	2e	100	63	1	3,518	1.1
22	MaB2	madison sandy loam	2- 7	2e	100	63	1	1,601	0.5
23	MuB2	mecklenburg-enon loams	2- 7	2e	100	63	S	512	0.2
24	NoB2	nason silt loam	2- 7	2e	100	63	S	34,555	10.6
25	PaB2	pacolet-cecil sandy loams	2- 7	2e	100	63	1	3,841	1.2
26	TaB2	tatum silt loam	2- 7	2e	100	63	S	26,874	8.2
27	WaB2	wedowee-appling sandy loams	2- 7	2e	100	63	1	4,083	1.2
28	WH	wehadkee-chewacla complex	0- 2	4w	98	61	0	11,806	3.6

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	acres pct
29	CwB3	cullen clay loam	2- 7	3e	91	57	0	229	0.1
30	AnC2	appling sandy loam	7-15	3e	88	55	S	21,380	6.5
31	CcC2	cecil sandy loam	7-15	3e	88	55	S	3,811	1.2
32	FlC2	fluvanna fine sandy loam	7-15	3e	88	55	S	966	0.3
33	GrC2	grover sandy loam	7-15	3e	88	55	S	5,161	1.6
34	MaC2	madison sandy loam	7-15	3e	88	55	S	660	0.2
35	MuC2	mecklenburg-enon loams	7-15	3e	88	55	S	225	0.1
36	NoC2	nason silt loam	7-15	3e	88	55	S	34,762	10.6
37	TaC2	tatum silt loam	7-15	3e	88	55	S	6,677	2.0
38	WaC2	wedowee-appling sandy loams	7-15	3e	88	55	S	5,838	1.8
39	AsB	ashlar sandy loam	2- 7	3e	85	53	0	395	0.1
40	ClB	colfax fine sandy loam	2- 7	3w	85	53	0	3,356	1.0
41	DuB	durham fine sandy loam	2- 5	2e	85	53	1	2,284	0.7
42	PxB	poindexter loam	2- 7	3e	85	53	1	916	0.3
43	SeB	sekil sandy loam	2- 7	3e	85	53	0	582	0.2
44	WoB	worsham fine sandy loam	2- 7	5w	85	53	0	7,822	2.4
45	YoB	york silt loam	2-10	3w	85	53	S	398	0.1
46	CwC3	cullen clay loam	7-15	4e	80	50	0	566	0.2
47	FN	fluvaquents	0- 2	7w	80	50	0	931	0.3
48	NaD2	nason loam	15-25	4e	80	50	S	2,314	0.7
49	PaD2	pacolet-cecil sandy loams	15-25	4e	80	50	S	385	0.1
50	TaD2	tatum silt loam	15-25	4e	80	50	S	211	0.1
51	WaD2	wedowee-appling sandy loams	15-25	4e	80	50	S	1,000	0.3
52	PaC2	pacolet-cecil sandy loams	7-15	3e	80	50	S	1,718	0.5
53	AsC	ashlar sandy loam	7-15	4e	75	47	0	4,566	1.4
54	PxC	poindexter loam	7-15	4e	75	47	S	1,463	0.4
55	SeC	sekil sandy loam	7-15	4e	75	47	0	3,115	1.0
56	OxB	orange-poindexter complex	2- 7	3e	73	45	S	239	0.1
57	ApB3	appling sandy clay loam	2- 7	3e	70	44	0	1,163	0.4
58	CeB3	cecil clay loam	2- 7	3e	70	44	0	1,978	0.6
59	GvB3	grover sandy clay loam	2- 7	3e	70	44	0	242	0.1
60	MdB3	madison clay loam	2- 7	3e	70	44	0	399	0.1
61	NsB3	nason silty clay loam	2- 7	3e	70	44	0	143	0.0
62	TmB3	tatum silty clay loam	2- 7	3e	70	44	0	818	0.3
63	AsD	ashlar sandy loam	15-25	6e	68	43	0	3,625	1.1
64	PxD	poindexter loam	15-25	6e	68	43	S	305	0.1
65	SeD	sekil sandy loam	15-25	6e	68	43	0	1,989	0.6
66	Eb	elbert silt loam	0- 2	5w	65	41	0	701	0.2
67	Fo	forestdale silt loam	0- 2	5w	65	41	0	225	0.1
68	IdB	iredell sandy loam	2- 7	3e	65	41	S	694	0.2
69	IdB2	iredell sandy loam	2- 7	3e	65	41	S	1,488	0.5
70	IrA	iredell loam	0- 2	3w	65	41	S	1,352	0.4
71	IrB	iredell loam	2- 7	3e	65	41	S	293	0.1
72	Iv	iredell silt loam	0- 2	4w	65	41	S	271	0.1
73	LgB	lignum loam	2- 7	3w	65	41	S	3,510	1.1
74	OrB	orange silt loam	2- 7	3e	65	41	S	1,269	0.4
75	RoB	roanoke silt loam	2- 7	5w	65	41	0	1,000	0.3
76	To	toccoa loamy fine sandy	0- 2	3s	65	41	0	274	0.1
77	Ts	toccoa fine sandy loam	0- 2	2w	65	41	1	1,139	0.3
78	We	wehadkee silt loam	0- 2	4w	65	41	0	1,355	0.4
79	ArC3	appling-wedowee sandy clay lo	7-15	4e	62	39	0	3,524	1.1
80	CfC3	cecil-pacolet clay loams	7-15	4e	62	39	0	4,754	1.5
81	GvC3	grover sandy clay loam	7-15	4e	62	39	0	1,818	0.6
82	MdC3	madison clay loam	7-15	4e	62	39	0	1,416	0.4

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
83	MvC3	mecklenburg-enon clay loams	7-15	4e	62	39	0	149	0.0
84	NsC3	nason silty clay loam	7-15	4e	62	39	0	950	0.3
85	TmC3	tatum silty clay loam	7-15	4e	62	39	0	2,680	0.8
86	IdC2	iredell sandy loam	7-15	4e	57	36	S	789	0.2
87	PcD3	pacolet-cecil clay loams	15-25	6e	56	35	0	240	0.1
88	TmD3	tatum silty clay loam	15-25	6e	56	35	0	152	0.0
89	WdD3	wedowee-appling sandy clay lo	15-25	6e	56	35	0	157	0.0
90	MnB	manteo channery silt loam	2- 7	4e	55	34	0	256	0.1
91	AsC3	ashlar sandy loam	7-15	6e	54	34	0	653	0.2
92	PxC3	poindexter loam	7-15	6e	52	33	0	191	0.1
93	SeC3	sekil sandy loam	7-15	6e	52	33	0	378	0.1
94	MnC	manteo channery silt loam	7-15	6e	49	31	0	1,570	0.5
95	AsD3	ashlar sandy loam	15-30	7e	48	30	0	610	0.2
96	MnD	manteo channery silt loam	15-25	7e	44	28	0	2,757	0.8
97	MoC	manteo very channery silt loa	7-15	6s	40	25	0	325	0.1
98	MoD	manteo very channery silt loa	15-25	7s	0	0	0	1,305	0.4
99	AV	ashlar-manteo-rock outcrop co	10-45	6s		0	0	548	0.2
100	CfL	cut and fill land	0- 0	8e		0	0	150	0.0
101	Md	mine dump	0- 0	8s		0	0	346	0.1
102	MnE	manteo channery silt loam	25-45	7e		0	0	374	0.1
103	QU	quarry	0- 0	8s		0	0	61	0.0
104	SP	sekil-poindexter-rock outcrop	10-45	6s		0	0	563	0.2
105	SeE	sekil sandy loam	25-45	7e		0	0	242	0.1
106	W	water	0- 0	0		0	0	5,186	1.6
								326,900	

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
AnB2	2e	appling sa	2- 7	100	63	1	34,074	10.4	3,407,400	100	3,407,400
CcB2	2e	cecil sand	2- 7	100	63	1	11,365	3.5	1,136,500	100	1,136,500
WaB2	2e	wedowee-ap	2- 7	100	63	1	4,083	1.2	408,300	100	408,300
PaB2	2e	pacolet-ce	2- 7	100	63	1	3,841	1.2	384,100	100	384,100
GrB2	2e	grover san	2- 7	100	63	1	3,518	1.1	351,800	100	351,800
MsB2	2e	massada fi	2- 7	130	81	1	3,088	0.9	401,440	130	401,440
DuB	2e	durham fin	2- 5	85	53	1	2,284	0.7	194,140	85	194,140
AlB	2e	altavista	2- 7	160	100	1	2,063	0.6	330,080	160	330,080
CuB2	2e	cullen loa	2- 7	130	81	1	1,947	0.6	253,110	130	253,110
MaB2	2e	madison sa	2- 7	100	63	1	1,601	0.5	160,100	100	160,100
FlB2	2e	fluvanna f	2- 7	100	63	1	1,142	0.3	114,200	100	114,200
WkB	2e	wickham fi	2- 7	160	100	1	240	0.1	38,400	160	38,400
NoB2	2e	nason silt	2- 7	100	63	S	34,555	10.6	3,455,500	100	3,455,500
TaB2	2e	tatum silt	2- 7	100	63	S	26,874	8.2	2,687,400	100	2,687,400
MuB2	2e	mecklenbur	2- 7	100	63	S	512	0.2	51,200	100	51,200
TuB	2e	turbeville	2-12	130	81	S	379	0.1	49,270	130	49,270
PxB	3e	poindexter	2- 7	85	53	1	916	0.3	77,860	85	77,860
						TOTAL	132,482	40.5	13,500,800		13,500,800

Weighted Average Yield = 101.91 Adjusted Weighted Average Yield = 101.91

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
AbB	2w	abell fine	2- 7	140	88	1	4,719	1.4	660,660	140	660,660
Ts	2w	toccoa fin	0- 2	65	41	1	1,139	0.3	74,035	65	74,035
AeB	2w	abell loam	2- 7	140	88	1	641	0.2	89,740	140	89,740
Cn	2w	congaree s	0- 2	160	100	1	590	0.2	94,400	160	94,400
AcB	2w	abell silt	2- 7	140	88	1	550	0.2	77,000	140	77,000
CO	2w	congaree-c	0- 2	151	94	S	2,037	0.6	306,748	151	306,748
To	3s	toccoa loa	0- 2	65	41	0	274	0.1	17,810	65	17,810
						TOTAL	9,950	3.0	1,320,393		1,320,393

Weighted Average Yield = 132.70 Adjusted Weighted Average Yield = 132.70

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
ZoB	2e	zion loam	2- 7	130	81	0	577	0.2	75,010	130	75,010
MuC2	3e	mecklenbur	7-15	88	55	S	225	0.1	19,800	88	19,800

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
NoC2	3e	nason silt	7-15	88	55	S	34,762	10.6	3,059,056	88	3,059,056
AnC2	3e	appling sa	7-15	88	55	S	21,380	6.5	1,881,440	88	1,881,440
TaC2	3e	tatum silt	7-15	88	55	S	6,677	2.0	587,576	88	587,576
WaC2	3e	wedowee-ap	7-15	88	55	S	5,838	1.8	513,744	88	513,744
GrC2	3e	grover san	7-15	88	55	S	5,161	1.6	454,168	88	454,168
CcC2	3e	cecil sand	7-15	88	55	S	3,811	1.2	335,368	88	335,368
PaC2	3e	pacolet-ce	7-15	80	50	S	1,718	0.5	136,959	80	136,959
IdB2	3e	iredell sa	2- 7	65	41	S	1,488	0.5	96,720	65	96,720
OrB	3e	orange sil	2- 7	65	41	S	1,269	0.4	82,485	65	82,485
FlC2	3e	fluvanna f	7-15	88	55	S	966	0.3	85,008	88	85,008
MsC2	3e	masada fin	7-15	114	71	S	869	0.3	99,066	114	99,066
IdB	3e	iredell sa	2- 7	65	41	S	694	0.2	45,110	65	45,110
MaC2	3e	madison sa	7-15	88	55	S	660	0.2	58,080	88	58,080
CuC2	3e	cullen loa	7-15	114	71	S	642	0.2	73,188	114	73,188
IrB	3e	iredell lo	2- 7	65	41	S	293	0.1	19,045	65	19,045
OxB	3e	orange-poi	2- 7	73	45	S	239	0.1	17,394	73	17,394
CeB3	3e	cecil clay	2- 7	70	44	0	1,978	0.6	138,460	70	138,460
ZoB2	3e	zion loam	2- 7	130	81	0	1,858	0.6	241,540	130	241,540
ApB3	3e	appling sa	2- 7	70	44	0	1,163	0.4	81,410	70	81,410
TmB3	3e	tatum silt	2- 7	70	44	0	818	0.3	57,260	70	57,260
SeB	3e	sekil sand	2- 7	85	53	0	582	0.2	49,470	85	49,470
MdB3	3e	madison cl	2- 7	70	44	0	399	0.1	27,930	70	27,930
AsB	3e	ashlar san	2- 7	85	53	0	395	0.1	33,575	85	33,575
GvB3	3e	grover san	2- 7	70	44	0	242	0.1	16,940	70	16,940
CwB3	3e	cullen cla	2- 7	91	57	0	229	0.1	20,839	91	20,839
NsB3	3e	nason silt	2- 7	70	44	0	143	0.0	10,010	70	10,010
NaD2	4e	nason loam	15-25	80	50	S	2,314	0.7	185,120	80	185,120
PxC	4e	poindexter	7-15	75	47	S	1,463	0.4	109,725	75	109,725
WaD2	4e	wedowee-ap	15-25	80	50	S	1,000	0.3	80,000	80	80,000
IdC2	4e	iredell sa	7-15	57	36	S	789	0.2	44,973	57	44,973
PaD2	4e	pacolet-ce	15-25	80	50	S	385	0.1	30,800	80	30,800
TaD2	4e	tatum silt	15-25	80	50	S	211	0.1	16,880	80	16,880
CfC3	4e	cecil-paco	7-15	62	39	0	4,754	1.5	294,748	62	294,748
AsC	4e	ashlar san	7-15	75	47	0	4,566	1.4	342,450	75	342,450
ArC3	4e	appling-we	7-15	62	39	0	3,524	1.1	218,488	62	218,488
SeC	4e	sekil sand	7-15	75	47	0	3,115	1.0	233,625	75	233,625
TmC3	4e	tatum silt	7-15	62	39	0	2,680	0.8	166,160	62	166,160
GvC3	4e	grover san	7-15	62	39	0	1,818	0.6	112,716	62	112,716
MdC3	4e	madison cl	7-15	62	39	0	1,416	0.4	87,792	62	87,792
NsC3	4e	nason silt	7-15	62	39	0	950	0.3	58,900	62	58,900
ZoC2	4e	zion loam	7-15	114	71	0	610	0.2	69,540	114	69,540
CwC3	4e	cullen cla	7-15	80	50	0	566	0.2	45,280	80	45,280
MnB	4e	manteo cha	2- 7	55	34	0	256	0.1	14,080	55	14,080
MvC3	4e	mecklenbur	7-15	62	39	0	149	0.0	9,238	62	9,238
PxD	6e	poindexter	15-25	68	43	S	305	0.1	20,740	68	20,740
						TOTAL	125,947	38.5	10,457,906		10,457,906

Weighted Average Yield = 83.03 Adjusted Weighted Average Yield = 83.03

Group Number 4

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
LgB	3w	lignum loa	2- 7	65	41	S	3,510	1.1	228,150	65	228,150
FrB	3w	fork fine	0- 5	100	63	S	1,452	0.4	145,200	100	145,200
IrA	3w	iredell lo	0- 2	65	41	S	1,352	0.4	87,880	65	87,880
YoB	3w	york silt	2-10	85	53	S	398	0.1	33,830	85	33,830
ClB	3w	colfax fin	2- 7	85	53	0	3,356	1.0	285,260	85	285,260
Ch	3w	chewacla s	0- 2	140	88	0	2,920	0.9	408,800	140	408,800
Iv	4w	iredell si	0- 2	65	41	S	271	0.1	17,615	65	17,615
WH	4w	wehadkee-c	0- 2	98	61	0	11,806	3.6	1,154,774	98	1,154,774
We	4w	wehadkee s	0- 2	65	41	0	1,355	0.4	88,075	65	88,075
WoB	5w	worsham fi	2- 7	85	53	0	7,822	2.4	664,870	85	664,870
RoB	5w	roanoke si	2- 7	65	41	0	1,000	0.3	65,000	65	65,000
Eb	5w	elbert sil	0- 2	65	41	0	701	0.2	45,565	65	45,565
Fo	5w	forestdale	0- 2	65	41	0	225	0.1	14,625	65	14,625
						TOTAL	36,168	11.1	3,239,644		3,239,644

Weighted Average Yield = 89.57 Adjusted Weighted Average Yield = 89.57

Group Number 5

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
AsD	6e	ashlar san	15-25	68	43	0	3,625	1.1	246,500	68	246,500
SeD	6e	sekil sand	15-25	68	43	0	1,989	0.6	135,252	68	135,252
MnC	6e	manteo cha	7-15	49	31	0	1,570	0.5	76,930	49	76,930
AsC3	6e	ashlar san	7-15	54	34	0	653	0.2	35,262	54	35,262
SeC3	6e	sekil sand	7-15	52	33	0	378	0.1	19,656	52	19,656
PcD3	6e	pacolet-ce	15-25	56	35	0	240	0.1	13,440	56	13,440
PxC3	6e	poindexter	7-15	52	33	0	191	0.1	9,932	52	9,932
WdD3	6e	wedowee-ap	15-25	56	35	0	157	0.0	8,792	56	8,792
TmD3	6e	tatum silt	15-25	56	35	0	152	0.0	8,512	56	8,512
MoC	6s	manteo ver	7-15	40	25	0	325	0.1	13,000	40	13,000
MnD	7e	manteo cha	15-25	44	28	0	2,757	0.8	121,308	44	121,308
AsD3	7e	ashlar san	15-30	48	30	0	610	0.2	29,280	48	29,280
						TOTAL	12,647	3.9	717,864		717,864

Weighted Average Yield = 56.76 Adjusted Weighted Average Yield = 56.76

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
SP	6s	sekil-poin	10-45			0	563	0.2	0		0
AV	6s	ashlar-man	10-45			0	548	0.2	0		0
MnE	7e	manteo cha	25-45			0	374	0.1	0		0
SeE	7e	sekil sand	25-45			0	242	0.1	0		0
MoD	7s	manteo ver	15-25			0	1,305	0.4	0		0
						TOTAL	3,032	0.9	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	acres pct	yield x adj acres	adj yld	adjust product
FN	7w	fluvaquent	0- 2	80	50	0	931	0.3	74,480	80	74,480
CfL	8e	cut and fi	0- 0			0	150	0.0	0		0
Md	8s	mine dump	0- 0			0	346	0.1	0		0
QU	8s	quarry	0- 0			0	61	0.0	0		0
W	0	water	0- 0			0	5,186	1.6	0		0

Summary Grouping

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	2e	prime	53-100	21.2				77
	2e	state	63- 81	19.1				77
	3e	prime	53- 53	0.3	40.5	132,482	132,482	77
2	2w	prime	41-100	2.3				100
	2w	state	94- 94	0.6				100
	3s	other	41- 41	0.1	43.6	9,950	142,432	100
3	2e	other	81- 81	0.2				63
	3e	state	41- 71	26.5				63
	3e	other	44- 81	2.4				63
	4e	state	36- 50	1.9				63
	4e	other	34- 71	7.5				63
	6e	state	43- 43	0.1	82.1	125,947	268,379	63
4	3w	state	41- 63	2.1				67
	3w	other	53- 88	1.9				67
	4w	state	41- 41	0.1				67
	4w	other	41- 61	4.0				67
	5w	other	41- 53	3.0	93.2	36,168	304,547	67
5	6e-7e	other	25- 43	3.9	97.0	12,647	317,194	43
6	6s-7s	other	-	0.9	98.0	3,032	320,226	0

FPPA acres: 258,429 (74.1% of county)
Farmable acres: 317,194 (97.0% of county)
Grouped acres: 320,226
Total acres: 326,900

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/ .