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 : Stafford And King George Counties, Virginia (VA179)
131 Mapunits

Indicator crop : wheat
Temperature Regime: mesic
C factor : 0.05
System irrigated? : no
Minimum Component: 15%

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
1	Ad	alluvial land	0- 6	4w	0	0		439	0.1
2	Ae	alluvial land	0- 6	4w	0	0		9,037	3.0
3	AfA	altavista fine sandy loam	0- 2	2w	64	100	1	3,435	1.2
4	AfB	altavista fine sandy loam	2- 6	2e	64	100	1	1,775	0.6
5	AfC2	altavista fine sandy loam	6-10	3e	56	88	S	378	0.1
6	AlB	appling fine sandy loam	2- 6	2e	56	88	1	9,378	3.1
7	AlC2	appling fine sandy loam	6-15	4e	49	77	S	5,337	1.8
8	AnB	appling gravelly fine sandy l	2- 6	2s	50	78	1	317	0.1
9	AnC2	appling gravelly fine sandy l	6-10	3s	44	69	S	283	0.1
10	ApC3	appling clay loam	6-15	4e	35	55	0	1,585	0.5
11	AsD	ashlar fine sandy loam	6-15	4e	38	59	0	2,013	0.7
12	AsE	ashlar fine sandy loam	15-25	6e		0	0	1,929	0.6
13	AsF	ashlar fine sandy loam	25-35	7e		0	0	1,603	0.5
14	AtA	atlee silt loam	0- 2	2w	56	88	1	52	0.0
15	AtB	atlee silt loam	2- 6	2e	56	88	1	801	0.3
16	Au	augusta loam	0- 2	3w	40	63	S	2,032	0.7
17	AvB	aura gravelly fine sandy loam	2- 6	2e	50	78	S	2,154	0.7
18	AvC2	aura gravelly fine sandy loam	6-10	3e	44	69	S	1,734	0.6
19	AvD2	aura gravelly fine sandy loam	10-18	3e	40	63	0	1,352	0.5
20	AvE2	aura gravelly fine sandy loam	18-35	3e		0	0	1,709	0.6
21	AwD	aura-galestown-sassafras comp	6-15	3e	43	67	S	1,964	0.7
22	AwE	aura-galestown-sassafras comp	15-30	7s		0	0	4,557	1.5
23	BaA	bertie very fine sandy loam	0- 3	2w	64	100	1	3,657	1.2
24	Bb	bibb fine sandy loam	0- 4	5w		0	0	3,331	1.1
25	Bd	bladen loam	0- 2	6w	24	38	0	4,418	1.5
26	BmA	bourne fine sandy loam	0- 2	2w	48	75	0	952	0.3
27	BmB	bourne fine sandy loam	2- 6	2e	48	75	0	6,898	2.3
28	BmC2	bourne fine sandy loam	6-10	3e	42	66	0	1,373	0.5
29	BnB	bourne fine sandy loam	2- 6	2e	43	67	0	870	0.3
30	BnC2	bourne fine sandy loam	6-10	3e	38	59	0	592	0.2
31	BoB	bourne loam	2- 6	2e	48	75	0	1,130	0.4
32	BoC2	bourne loam	6-10	3e	42	66	0	375	0.1
33	BrD	bremo loam	6-15	4e	32	50	0	802	0.3
34	BrE	bremo loam	15-35	7e		0	0	777	0.3
35	CaB2	caroline fine sandy loam	2- 6	2e	56	88	1	6,629	2.2
36	CaC2	caroline fine sandy loam	6-10	3e	49	77	S	3,524	1.2

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
37	CaD2	caroline fine sandy loam	10-18	4e	45	70	0	2,124	0.7
38	CcC3	caroline clay loam	6-10	4e	35	55	0	1,650	0.6
39	CcD3	caroline clay loam	10-18	6e	31	48	0	1,011	0.3
40	CdD	caroline-sassafras complex	10-15	6e	45	70	S	1,229	0.4
41	CdE	caroline-sassafras complex	15-30	7e		0	0	10,463	3.5
42	Ce	cartecay fine sandy loam	0- 4	5w	64	100	0	2,722	0.9
43	CfB2	cecil fine sandy loam	2- 6	2e	56	88	1	2,804	0.9
44	CfC2	cecil fine sandy loam	6-15	4e	49	77	S	3,198	1.1
45	CgB2	cecil gravelly fine sandy loa	2- 6	2e	50	78	1	988	0.3
46	ChC3	cecil clay loam	6-15	4e	35	55	0	1,051	0.4
47	ClB	colfax fine sandy loam	2- 6	3w	48	75	0	640	0.2
48	CmB	colfax fine sandy loam	2- 6	3w	43	67	0	1,102	0.4
49	Cn	congaree loam	0- 4	3w	64	100	0	1,489	0.5
50	CrA	craven loam	0- 2	2w	48	75	1	1,119	0.4
51	CrB	craven loam	2- 6	3e	48	75	1	773	0.3
52	CuB2	cullen loam	2- 6	3e	64	100	1	2,396	0.8
53	CuC2	cullen loam	6-15	4e	56	88	S	1,834	0.6
54	CvC3	cullen clay loam	6-15	4e	39	61	0	2,745	0.9
55	Cw	cut and fill land	6-45	0		0	0	3,062	1.0
56	DAM	dam	0- 0	0		0	0	14	0.0
57	DoA	dogue loam	0- 2	2w	64	100	1	2,062	0.7
58	DoB	dogue loam	2- 6	2e	64	100	1	797	0.3
59	Eb	elbert silt loam	0- 2	4w	24	38	0	946	0.3
60	ElB2	elioak silt loam	2- 6	2e	56	88	1	2,730	0.9
61	ElC2	elioak silt loam	6-15	3e	49	77	S	3,527	1.2
62	EmC3	elioak silty clay loam	6-15	3e	35	55	0	1,449	0.5
63	FaB	fairfax loam	2- 6	2e	64	100	1	890	0.3
64	Fd	fallsington very fine sandy l	0- 2	4w	64	100	1	637	0.2
65	Fs	fresh water swamp	0- 2	6w		0	0	2,257	0.8
66	GsD	galestown-sassafras complex	6-15	7s	41	64	S	7,494	2.5
67	GsE	galestown-sassafras complex	15-30	7s		0	0	11,074	3.7
68	GsF	galestown-sassafras complex	30-45	7s		0	0	1,829	0.6
69	Iu	iuka fine sandy loam	0- 4	2w	64	100	2	2,620	0.9
70	KeA	kempsville fine sandy loam	0- 2	1	56	88	1	351	0.1
71	KeB	kempsville fine sandy loam	2- 6	2e	56	88	1	1,292	0.4
72	KfB	kempsville fine sandy loam	2- 6	2e	50	78	S	4,090	1.4
73	KfC2	kempsville fine sandy loam	6-10	3e	44	69	S	1,621	0.5
74	KfD2	kempsville fine sandy loam	10-18	4e	40	63	0	992	0.3
75	LgA	lignum silt loam	0- 2	2w	24	38	S	1,083	0.4
76	LgB	lignum silt loam	2- 6	2e	24	38	S	630	0.2
77	MaD	manor silt loam	6-15	3e	38	59	S	583	0.2
78	MaE	manor silt loam	15-35	6e		0	0	2,145	0.7
79	MdB	marr very fine sandy loam	2- 6	2e	56	88	1	955	0.3
80	MdC2	marr very fine sandy loam	6-10	3e	49	77	S	714	0.2
81	MdD2	marr very fine sandy loam	10-15	4e	45	70	S	521	0.2
82	MdE2	marr very fine sandy loam	15-30	6e		0	0	1,050	0.4
83	Me	meadowville silt loam	0- 4	2e	64	100	1	1,609	0.5
84	MkB2	mecklenburg loam	2- 6	2e	56	88	1	895	0.3
85	MkC2	mecklenburg loam	6-10	3e	49	77	S	980	0.3
86	MlC3	mecklenburg clay loam	6-10	3e	35	55	0	467	0.2
87	NaB	nason silt loam	2- 6	2e	56	88	S	4,797	1.6
88	NaC2	nason silt loam	6-15	3e	49	77	S	6,040	2.0
89	NcC3	nason silty clay loam	6-10	3e	35	55	0	1,403	0.5
90	OrA	orange loam	0- 2	4w	32	50	S	186	0.1

line no.	**map symbl**	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
91	OrB	orange loam	2- 6	3e	32	50	S	1,664	0.6
92	OrC2	orange loam	6-10	4e	28	44	S	500	0.2
93	Po	pooler loam	0- 2	6w	24	38	0	1,132	0.4
94	Ro	roanoke silt loam	0- 2	5w	24	38	0	2,044	0.7
95	Sa	sand and gravel pits	0- 0	0		0	0	1,323	0.4
96	ScF	sandy and clayey land	25-60	6e		0	0	4,987	1.7
97	SfA	sassafras fine sandy loam	0- 2	1	56	88	1	1,584	0.5
98	SfB	sassafras fine sandy loam	2- 6	2e	56	88	1	16,645	5.6
99	SfC2	sassafras fine sandy loam	6-10	3e	49	77	S	7,959	2.7
100	SfD2	sassafras fine sandy loam	10-15	4e	45	70	S	2,635	0.9
101	SfE2	sassafras fine sandy loam	15-35	7e		0	0	3,575	1.2
102	Sn	state fine sandy loam	0- 4	2e	64	100	1	1,012	0.3
103	StD	stony rolling land	6-15	0		0	0	213	0.1
104	StE	stony steep land	15-60	0		0	0	438	0.1
105	SuC	susquehanna soils	2-10	6e	28	44	S	221	0.1
106	TeA	tetotum fine sandy loam	0- 2	2w	64	100	1	3,237	1.1
107	TeB	tetotum fine sandy loam	2- 6	2e	64	100	1	2,390	0.8
108	TeC2	tetotum fine sandy loam	6-10	3e	56	88	S	942	0.3
109	Tm	tidal marsh	0- 1	7w		0	0	3,653	1.2
110	TuA	turbeville loam	0- 2	1	64	100	1	378	0.1
111	TuB	turbeville loam	2- 6	2e	64	100	1	3,500	1.2
112	TuC2	turbeville loam	6-15	3e	56	88	S	1,658	0.6
113	W	water	0- 0	0		0	0	10,690	3.6
114	Wa	wahee silt loam	0- 2	2w	24	38	S	1,186	0.4
115	WgD	watt silt loam	10-15	4e	32	50	0	340	0.1
116	WgE	watt silt loam	15-35	7e		0	0	1,234	0.4
117	Wh	wehadkee very fine sandy loam	0- 2	6w	24	38	0	5,390	1.8
118	WlB	westphalia loamy very fine sa	2- 6	2e	48	75	S	261	0.1
119	WlD2	westphalia loamy very fine sa	6-15	3e	38	59	S	325	0.1
120	WlE2	westphalia loamy very fine sa	15-30	7e		0	0	533	0.2
121	WmA	wickham fine sandy loam	0- 2	1	64	100	1	3,572	1.2
122	WmB	wichkam fine sandy loam	2- 6	2e	64	100	1	2,163	0.7
123	WmC2	wickham fine sandy loam	6-12	3e	56	88	S	1,004	0.3
124	WnA	wickham sandy loam	0- 2	1	64	100	S	1,572	0.5
125	WnB	wickham sandy loam	2- 6	2e	64	100	S	936	0.3
126	WnC	wickham sandy loam	6-12	3e	56	88	S	624	0.2
127	WoA	woodstown fine sandy loam	0- 2	2w	64	100	1	731	0.2
128	WoB	woodstown fine sandy loam	2- 6	2w	64	100	1	879	0.3
129	Wr	worsham loam	0- 2	4w	48	75	0	2,035	0.7
130	ZlB	zion loam	2- 6	2e	48	75	S	296	0.1
131	ZlC2	zion loam	6-10	3e	42	66	S	217	0.1
								298,000	

Sorted by Productivity Index (prd ind)

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
1	WmA	wickham fine sandy loam	0- 2	1	64	100	1	3,572	1.2
2	WnA	wickham sandy loam	0- 2	1	64	100	S	1,572	0.5
3	TuA	turbeville loam	0- 2	1	64	100	1	378	0.1
4	TuB	turbeville loam	2- 6	2e	64	100	1	3,500	1.2
5	TeB	tetotum fine sandy loam	2- 6	2e	64	100	1	2,390	0.8

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
6	WmB	wichkam fine sandy loam	2- 6	2e	64	100	1	2,163	0.7
7	AfB	altavista fine sandy loam	2- 6	2e	64	100	1	1,775	0.6
8	Me	meadowville silt loam	0- 4	2e	64	100	1	1,609	0.5
9	Sn	state fine sandy loam	0- 4	2e	64	100	1	1,012	0.3
10	WnB	wickham sandy loam	2- 6	2e	64	100	S	936	0.3
11	FaB	fairfax loam	2- 6	2e	64	100	1	890	0.3
12	DoB	dogue loam	2- 6	2e	64	100	1	797	0.3
13	BaA	bertie very fine sandy loam	0- 3	2w	64	100	1	3,657	1.2
14	AfA	altavista fine sandy loam	0- 2	2w	64	100	1	3,435	1.2
15	TeA	tetotum fine sandy loam	0- 2	2w	64	100	1	3,237	1.1
16	Iu	iuka fine sandy loam	0- 4	2w	64	100	2	2,620	0.9
17	DoA	dogue loam	0- 2	2w	64	100	1	2,062	0.7
18	WoB	woodstown fine sandy loam	2- 6	2w	64	100	1	879	0.3
19	WoA	woodstown fine sandy loam	0- 2	2w	64	100	1	731	0.2
20	CuB2	cullen loam	2- 6	3e	64	100	1	2,396	0.8
21	Cn	congaree loam	0- 4	3w	64	100	0	1,489	0.5
22	Fd	fallsington very fine sandy l	0- 2	4w	64	100	1	637	0.2
23	Ce	cartecay fine sandy loam	0- 4	5w	64	100	0	2,722	0.9
24	SfA	sassafras fine sandy loam	0- 2	1	56	88	1	1,584	0.5
25	KeA	kempsville fine sandy loam	0- 2	1	56	88	1	351	0.1
26	SfB	sassafras fine sandy loam	2- 6	2e	56	88	1	16,645	5.6
27	AlB	appling fine sandy loam	2- 6	2e	56	88	1	9,378	3.1
28	CaB2	caroline fine sandy loam	2- 6	2e	56	88	1	6,629	2.2
29	NaB	nason silt loam	2- 6	2e	56	88	S	4,797	1.6
30	CfB2	cecil fine sandy loam	2- 6	2e	56	88	1	2,804	0.9
31	ElB2	elioak silt loam	2- 6	2e	56	88	1	2,730	0.9
32	KeB	kempsville fine sandy loam	2- 6	2e	56	88	1	1,292	0.4
33	MdB	marr very fine sandy loam	2- 6	2e	56	88	1	955	0.3
34	MkB2	mecklenburg loam	2- 6	2e	56	88	1	895	0.3
35	AtB	atlee silt loam	2- 6	2e	56	88	1	801	0.3
36	AtA	atlee silt loam	0- 2	2w	56	88	1	52	0.0
37	TuC2	turbeville loam	6-15	3e	56	88	S	1,658	0.6
38	WmC2	wickham fine sandy loam	6-12	3e	56	88	S	1,004	0.3
39	TeC2	tetotum fine sandy loam	6-10	3e	56	88	S	942	0.3
40	WnC	wickham sandy loam	6-12	3e	56	88	S	624	0.2
41	AfC2	altavista fine sandy loam	6-10	3e	56	88	S	378	0.1
42	CuC2	cullen loam	6-15	4e	56	88	S	1,834	0.6
43	KfB	kempsville fine sandy loam	2- 6	2e	50	78	S	4,090	1.4
44	AvB	aura gravelly fine sandy loam	2- 6	2e	50	78	S	2,154	0.7
45	CgB2	cecil gravelly fine sandy loa	2- 6	2e	50	78	1	988	0.3
46	AnB	appling gravelly fine sandy l	2- 6	2s	50	78	1	317	0.1
47	SfC2	sassafras fine sandy loam	6-10	3e	49	77	S	7,959	2.7
48	NaC2	nason silt loam	6-15	3e	49	77	S	6,040	2.0
49	ElC2	elioak silt loam	6-15	3e	49	77	S	3,527	1.2
50	CaC2	caroline fine sandy loam	6-10	3e	49	77	S	3,524	1.2
51	MkC2	mecklenburg loam	6-10	3e	49	77	S	980	0.3
52	MdC2	marr very fine sandy loam	6-10	3e	49	77	S	714	0.2
53	AlC2	appling fine sandy loam	6-15	4e	49	77	S	5,337	1.8
54	CfC2	cecil fine sandy loam	6-15	4e	49	77	S	3,198	1.1
55	BmB	bourne fine sandy loam	2- 6	2e	48	75	0	6,898	2.3
56	BoB	bourne loam	2- 6	2e	48	75	0	1,130	0.4
57	ZlB	zion loam	2- 6	2e	48	75	S	296	0.1
58	WlB	westphalia loamy very fine sa	2- 6	2e	48	75	S	261	0.1
59	CrA	craven loam	0- 2	2w	48	75	1	1,119	0.4

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
60	BmA	bourne fine sandy loam	0- 2	2w	48	75	0	952	0.3
61	CrB	craven loam	2- 6	3e	48	75	1	773	0.3
62	ClB	colfax fine sandy loam	2- 6	3w	48	75	0	640	0.2
63	Wr	worsham loam	0- 2	4w	48	75	0	2,035	0.7
64	SfD2	sassafras fine sandy loam	10-15	4e	45	70	S	2,635	0.9
65	CaD2	caroline fine sandy loam	10-18	4e	45	70	0	2,124	0.7
66	MdD2	marr very fine sandy loam	10-15	4e	45	70	S	521	0.2
67	CdD	caroline-sassafras complex	10-15	6e	45	70	S	1,229	0.4
68	AvC2	aura gravelly fine sandy loam	6-10	3e	44	69	S	1,734	0.6
69	KfC2	kempsville fine sandy loam	6-10	3e	44	69	S	1,621	0.5
70	AnC2	appling gravelly fine sandy l	6-10	3s	44	69	S	283	0.1
71	BnB	bourne fine sandy loam	2- 6	2e	43	67	0	870	0.3
72	CmB	colfax fine sandy loam	2- 6	3w	43	67	0	1,102	0.4
73	AwD	aura-galestown-sassafras comp	6-15	3e	43	67	S	1,964	0.7
74	BmC2	bourne fine sandy loam	6-10	3e	42	66	0	1,373	0.5
75	BoC2	bourne loam	6-10	3e	42	66	0	375	0.1
76	ZlC2	zion loam	6-10	3e	42	66	S	217	0.1
77	GsD	galestown-sassafras complex	6-15	7s	41	64	S	7,494	2.5
78	AvD2	aura gravelly fine sandy loam	10-18	3e	40	63	0	1,352	0.5
79	Au	augusta loam	0- 2	3w	40	63	S	2,032	0.7
80	KfD2	kempsville fine sandy loam	10-18	4e	40	63	0	992	0.3
81	CvC3	cullen clay loam	6-15	4e	39	61	0	2,745	0.9
82	BnC2	bourne fine sandy loam	6-10	3e	38	59	0	592	0.2
83	MaD	manor silt loam	6-15	3e	38	59	S	583	0.2
84	WlD2	westphalia loamy very fine sa	6-15	3e	38	59	S	325	0.1
85	AsD	ashlar fine sandy loam	6-15	4e	38	59	0	2,013	0.7
86	EmC3	elioak silty clay loam	6-15	3e	35	55	0	1,449	0.5
87	NcC3	nason silty clay loam	6-10	3e	35	55	0	1,403	0.5
88	MlC3	mecklenburg clay loam	6-10	3e	35	55	0	467	0.2
89	CcC3	caroline clay loam	6-10	4e	35	55	0	1,650	0.6
90	ApC3	appling clay loam	6-15	4e	35	55	0	1,585	0.5
91	ChC3	cecil clay loam	6-15	4e	35	55	0	1,051	0.4
92	OrB	orange loam	2- 6	3e	32	50	S	1,664	0.6
93	BrD	bremo loam	6-15	4e	32	50	0	802	0.3
94	WgD	watt silt loam	10-15	4e	32	50	0	340	0.1
95	OrA	orange loam	0- 2	4w	32	50	S	186	0.1
96	CcD3	caroline clay loam	10-18	6e	31	48	0	1,011	0.3
97	OrC2	orange loam	6-10	4e	28	44	S	500	0.2
98	SuC	susquehanna soils	2-10	6e	28	44	S	221	0.1
99	LgB	lignum silt loam	2- 6	2e	24	38	S	630	0.2
100	Wa	wahee silt loam	0- 2	2w	24	38	S	1,186	0.4
101	LgA	lignum silt loam	0- 2	2w	24	38	S	1,083	0.4
102	Eb	elbert silt loam	0- 2	4w	24	38	0	946	0.3
103	Ro	roanoke silt loam	0- 2	5w	24	38	0	2,044	0.7
104	Wh	wehadkee very fine sandy loam	0- 2	6w	24	38	0	5,390	1.8
105	Bd	bladen loam	0- 2	6w	24	38	0	4,418	1.5
106	Po	pooler loam	0- 2	6w	24	38	0	1,132	0.4
107	AvE2	aura gravelly fine sandy loam	18-35	3e		0	0	1,709	0.6
108	Ae	alluvial land	0- 6	4w		0	0	9,037	3.0
109	Ad	alluvial land	0- 6	4w		0	0	439	0.1
110	Bb	bibb fine sandy loam	0- 4	5w		0	0	3,331	1.1
111	ScF	sandy and clayey land	25-60	6e		0	0	4,987	1.7
112	MaE	manor silt loam	15-35	6e		0	0	2,145	0.7
113	AsE	ashlar fine sandy loam	15-25	6e		0	0	1,929	0.6

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
114	MdE2	marr very fine sandy loam	15-30	6e		0	0	1,050	0.4
115	Fs	fresh water swamp	0- 2	6w		0	0	2,257	0.8
116	CdE	caroline-sassafras complex	15-30	7e		0	0	10,463	3.5
117	SfE2	sassafras fine sandy loam	15-35	7e		0	0	3,575	1.2
118	AsF	ashlar fine sandy loam	25-35	7e		0	0	1,603	0.5
119	WgE	watt silt loam	15-35	7e		0	0	1,234	0.4
120	BrE	bremo loam	15-35	7e		0	0	777	0.3
121	WlE2	westphalia loamy very fine sa	15-30	7e		0	0	533	0.2
122	GsE	galestown-sassafras complex	15-30	7s		0	0	11,074	3.7
123	AwE	aura-galestown-sassafras comp	15-30	7s		0	0	4,557	1.5
124	GsF	galestown-sassafras complex	30-45	7s		0	0	1,829	0.6
125	Tm	tidal marsh	0- 1	7w		0	0	3,653	1.2
126	W	water	0- 0	0		0	0	10,690	3.6
127	Cw	cut and fill land	6-45	0		0	0	3,062	1.0
128	Sa	sand and gravel pits	0- 0	0		0	0	1,323	0.4
129	StE	stony steep land	15-60	0		0	0	438	0.1
130	StD	stony rolling land	6-15	0		0	0	213	0.1
131	DAM	dam	0- 0	0		0	0	14	0.0
								298,000	

Code	**Important Farmland**
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
WmA	1	wickham fi	0- 2	64	100	1	3,572	1.2	228,608	64	228,608
TuA	1	turbeville	0- 2	64	100	1	378	0.1	24,192	64	24,192
TuB	2e	turbeville	2- 6	64	100	1	3,500	1.2	224,000	64	224,000
TeB	2e	tetotum fi	2- 6	64	100	1	2,390	0.8	152,960	64	152,960
WmB	2e	wichkam fi	2- 6	64	100	1	2,163	0.7	138,432	64	138,432
AfB	2e	altavista	2- 6	64	100	1	1,775	0.6	113,600	64	113,600
Me	2e	meadowvill	0- 4	64	100	1	1,609	0.5	102,976	64	102,976
Sn	2e	state fine	0- 4	64	100	1	1,012	0.3	64,768	64	64,768
FaB	2e	fairfax lo	2- 6	64	100	1	890	0.3	56,960	64	56,960
DoB	2e	dogue loam	2- 6	64	100	1	797	0.3	51,008	64	51,008
BaA	2w	bertie ver	0- 3	64	100	1	3,657	1.2	234,048	64	234,048
AfA	2w	altavista	0- 2	64	100	1	3,435	1.2	219,840	64	219,840
TeA	2w	tetotum fi	0- 2	64	100	1	3,237	1.1	207,168	64	207,168
Iu	2w	iuka fine	0- 4	64	100	2	2,620	0.9	167,680	64	167,680
DoA	2w	dogue loam	0- 2	64	100	1	2,062	0.7	131,968	64	131,968
WoB	2w	woodstown	2- 6	64	100	1	879	0.3	56,256	64	56,256
WoA	2w	woodstown	0- 2	64	100	1	731	0.2	46,784	64	46,784
CuB2	3e	cullen loa	2- 6	64	100	1	2,396	0.8	153,344	64	153,344
Fd	4w	fallsingto	0- 2	64	100	1	637	0.2	40,768	64	40,768
SfA	1	sassafras	0- 2	56	88	1	1,584	0.5	88,704	56	88,704
KeA	1	kempsville	0- 2	56	88	1	351	0.1	19,656	56	19,656
SfB	2e	sassafras	2- 6	56	88	1	16,645	5.6	932,120	56	932,120
AlB	2e	appling fi	2- 6	56	88	1	9,378	3.1	525,168	56	525,168
CaB2	2e	caroline f	2- 6	56	88	1	6,629	2.2	371,224	56	371,224
CfB2	2e	cecil fine	2- 6	56	88	1	2,804	0.9	157,024	56	157,024
ElB2	2e	elioak sil	2- 6	56	88	1	2,730	0.9	152,880	56	152,880
KeB	2e	kempsville	2- 6	56	88	1	1,292	0.4	72,352	56	72,352
MdB	2e	marr very	2- 6	56	88	1	955	0.3	53,480	56	53,480
MkB2	2e	mecklenbur	2- 6	56	88	1	895	0.3	50,120	56	50,120
AtB	2e	atlee silt	2- 6	56	88	1	801	0.3	44,856	56	44,856
AtA	2w	atlee silt	0- 2	56	88	1	52	0.0	2,912	56	2,912
CgB2	2e	cecil grav	2- 6	50	78	1	988	0.3	49,400	50	49,400
AnB	2s	appling gr	2- 6	50	78	1	317	0.1	15,850	50	15,850
CrA	2w	craven loa	0- 2	48	75	1	1,119	0.4	53,712	48	53,712
CrB	3e	craven loa	2- 6	48	75	1	773	0.3	37,104	48	37,104
						TOTAL	85,053	28.5	5,041,922		5,041,922

Weighted Average Yield = 59.28 Adjusted Weighted Average Yield = 59.28

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
WnA	1	wickham sa	0- 2	64	100	S	1,572	0.5	100,608	64	100,608
WnB	2e	wickham sa	2- 6	64	100	S	936	0.3	59,904	64	59,904
NaB	2e	nason silt	2- 6	56	88	S	4,797	1.6	268,632	56	268,632
TuC2	3e	turbeville	6-15	56	88	S	1,658	0.6	92,848	56	92,848

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
WmC2	3e	wickham fi	6-12	56	88	S	1,004	0.3	56,224	56	56,224
TeC2	3e	tetotum fi	6-10	56	88	S	942	0.3	52,752	56	52,752
WnC	3e	wickham sa	6-12	56	88	S	624	0.2	34,944	56	34,944
AfC2	3e	altavista	6-10	56	88	S	378	0.1	21,168	56	21,168
CuC2	4e	cullen loa	6-15	56	88	S	1,834	0.6	102,704	56	102,704
KfB	2e	kempsville	2- 6	50	78	S	4,090	1.4	204,500	50	204,500
AvB	2e	aura grave	2- 6	50	78	S	2,154	0.7	107,700	50	107,700
					TOTAL		19,989	6.7	1,101,984		1,101,984

Weighted Average Yield = 55.13 Adjusted Weighted Average Yield = 55.13

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
SfC2	3e	sassafras	6-10	49	77	S	7,959	2.7	389,991	49	389,991
NaC2	3e	nason silt	6-15	49	77	S	6,040	2.0	295,960	49	295,960
ElC2	3e	elioak sil	6-15	49	77	S	3,527	1.2	172,823	49	172,823
CaC2	3e	caroline f	6-10	49	77	S	3,524	1.2	172,676	49	172,676
MkC2	3e	mecklenbur	6-10	49	77	S	980	0.3	48,020	49	48,020
MdC2	3e	marr very	6-10	49	77	S	714	0.2	34,986	49	34,986
AlC2	4e	appling fi	6-15	49	77	S	5,337	1.8	261,513	49	261,513
CfC2	4e	cecil fine	6-15	49	77	S	3,198	1.1	156,702	49	156,702
ZlB	2e	zion loam	2- 6	48	75	S	296	0.1	14,208	48	14,208
WlB	2e	westphalia	2- 6	48	75	S	261	0.1	12,528	48	12,528
SfD2	4e	sassafras	10-15	45	70	S	2,635	0.9	118,575	45	118,575
MdD2	4e	marr very	10-15	45	70	S	521	0.2	23,445	45	23,445
CdD	6e	caroline-s	10-15	45	70	S	1,229	0.4	55,305	45	55,305
AvC2	3e	aura grave	6-10	44	69	S	1,734	0.6	76,296	44	76,296
KfC2	3e	kempsville	6-10	44	69	S	1,621	0.5	71,324	44	71,324
AnC2	3s	appling gr	6-10	44	69	S	283	0.1	12,452	44	12,452
AwD	3e	aura-gales	6-15	43	67	S	1,964	0.7	84,084	43	84,084
ZlC2	3e	zion loam	6-10	42	66	S	217	0.1	9,114	42	9,114
GsD	7s	galestown-	6-15	41	64	S	7,494	2.5	305,755	41	305,755
Au	3w	augusta lo	0- 2	40	63	S	2,032	0.7	81,280	40	81,280
					TOTAL		51,566	17.3	2,397,037		2,397,037

Weighted Average Yield = 46.48 Adjusted Weighted Average Yield = 46.48

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
MaD	3e	manor silt	6-15	38	59	S	583	0.2	22,154	38	22,154
WlD2	3e	westphalia	6-15	38	59	S	325	0.1	12,350	38	12,350
OrB	3e	orange loa	2- 6	32	50	S	1,664	0.6	53,248	32	53,248
OrA	4w	orange loa	0- 2	32	50	S	186	0.1	5,952	32	5,952
OrC2	4e	orange loa	6-10	28	44	S	500	0.2	14,000	28	14,000

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
SuC	6e	susquehann	2-10	28	44	S	221	0.1	6,188	28	6,188
LgB	2e	lignum sil	2- 6	24	38	S	630	0.2	15,120	24	15,120
Wa	2w	wahee silt	0- 2	24	38	S	1,186	0.4	28,464	24	28,464
LgA	2w	lignum sil	0- 2	24	38	S	1,083	0.4	25,992	24	25,992
					TOTAL		6,378	2.1	183,468		183,468

Weighted Average Yield = 28.77 Adjusted Weighted Average Yield = 28.77

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
Cn	3w	congaree l	0- 4	64	100	0	1,489	0.5	95,296	64	95,296
Ce	5w	cartecay f	0- 4	64	100	0	2,722	0.9	174,208	64	174,208
BmB	2e	bourne fin	2- 6	48	75	0	6,898	2.3	331,104	48	331,104
BoB	2e	bourne loa	2- 6	48	75	0	1,130	0.4	54,240	48	54,240
BmA	2w	bourne fin	0- 2	48	75	0	952	0.3	45,696	48	45,696
ClB	3w	colfax fin	2- 6	48	75	0	640	0.2	30,720	48	30,720
Wr	4w	worsham lo	0- 2	48	75	0	2,035	0.7	97,680	48	97,680
CaD2	4e	caroline f	10-18	45	70	0	2,124	0.7	95,580	45	95,580
					TOTAL		17,990	6.0	924,524		924,524

Weighted Average Yield = 51.39 Adjusted Weighted Average Yield = 51.39

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
BnB	2e	bourne fin	2- 6	43	67	0	870	0.3	37,410	43	37,410
CmB	3w	colfax fin	2- 6	43	67	0	1,102	0.4	47,386	43	47,386
BmC2	3e	bourne fin	6-10	42	66	0	1,373	0.5	57,666	42	57,666
BoC2	3e	bourne loa	6-10	42	66	0	375	0.1	15,750	42	15,750
AvD2	3e	aura grave	10-18	40	63	0	1,352	0.5	54,080	40	54,080
KfD2	4e	kempsville	10-18	40	63	0	992	0.3	39,680	40	39,680
CvC3	4e	cullen cla	6-15	39	61	0	2,745	0.9	107,055	39	107,055
BnC2	3e	bourne fin	6-10	38	59	0	592	0.2	22,496	38	22,496
AsD	4e	ashlar fin	6-15	38	59	0	2,013	0.7	76,494	38	76,494
EmC3	3e	elioak sil	6-15	35	55	0	1,449	0.5	50,715	35	50,715
NcC3	3e	nason silt	6-10	35	55	0	1,403	0.5	49,105	35	49,105
MlC3	3e	mecklenbur	6-10	35	55	0	467	0.2	16,345	35	16,345
CcC3	4e	caroline c	6-10	35	55	0	1,650	0.6	57,750	35	57,750
ApC3	4e	appling cl	6-15	35	55	0	1,585	0.5	55,475	35	55,475
ChC3	4e	cecil clay	6-15	35	55	0	1,051	0.4	36,785	35	36,785
BrD	4e	bremo loam	6-15	32	50	0	802	0.3	25,664	32	25,664
WgD	4e	watt silt	10-15	32	50	0	340	0.1	10,880	32	10,880
CcD3	6e	caroline c	10-18	31	48	0	1,011	0.3	31,341	31	31,341
Eb	4w	elbert sil	0- 2	24	38	0	946	0.3	22,704	24	22,704
Ro	5w	roanoke si	0- 2	24	38	0	2,044	0.7	49,056	24	49,056

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
Wh	6w	wehadkee v	0- 2	24	38	0	5,390	1.8	129,360	24	129,360
Bd	6w	bladen loa	0- 2	24	38	0	4,418	1.5	106,032	24	106,032
Po	6w	pooler loa	0- 2	24	38	0	1,132	0.4	27,168	24	27,168
						TOTAL	35,102	11.8	1,126,397		1,126,397

Weighted Average Yield = 32.09 Adjusted Weighted Average Yield = 32.09

Group Number 7

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
AvE2	3e	aura grave	18-35			0	1,709	0.6	0		0
Ae	4w	alluvial l	0- 6			0	9,037	3.0	0		0
Ad	4w	alluvial l	0- 6			0	439	0.1	0		0
Bb	5w	bibb fine	0- 4			0	3,331	1.1	0		0
ScF	6e	sandy and	25-60			0	4,987	1.7	0		0
MaE	6e	manor silt	15-35			0	2,145	0.7	0		0
AsE	6e	ashlar fin	15-25			0	1,929	0.6	0		0
MdE2	6e	marr very	15-30			0	1,050	0.4	0		0
Fs	6w	fresh wate	0- 2			0	2,257	0.8	0		0
CdE	7e	caroline-s	15-30			0	10,463	3.5	0		0
SfE2	7e	sassafras	15-35			0	3,575	1.2	0		0
AsF	7e	ashlar fin	25-35			0	1,603	0.5	0		0
WgE	7e	watt silt	15-35			0	1,234	0.4	0		0
BrE	7e	bremo loam	15-35			0	777	0.3	0		0
WlE2	7e	westphalia	15-30			0	533	0.2	0		0
GsE	7s	galestown-	15-30			0	11,074	3.7	0		0
AwE	7s	aura-gales	15-30			0	4,557	1.5	0		0
GsF	7s	galestown-	30-45			0	1,829	0.6	0		0
Tm	7w	tidal mars	0- 1			0	3,653	1.2	0		0
						TOTAL	66,182	22.2	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 acres	adj yld	adjust product
W	0	water	0- 0			0	10,690	3.6	0		0
Cw	0	cut and fi	6-45			0	3,062	1.0	0		0
Sa	0	sand and g	0- 0			0	1,323	0.4	0		0
StE	0	stony stee	15-60			0	438	0.1	0		0
StD	0	stony roll	6-15			0	213	0.1	0		0
DAM	0	dam	0- 0			0	14	0.0	0		0

Summary Grouping

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	1-5w	prime	75-100	28.5	28.5	85,053	85,053	100
2	1-4e	state	78-100	6.7	35.2	19,989	105,042	93
3	2e-7s	state	63- 77	17.3	52.6	51,566	156,608	78
4	2e-6e	state	38- 59	2.1	54.7	6,378	162,986	49
5	2e-5w	other	70-100	6.0	60.7	17,990	180,976	87
6	2e-6w	other	38- 67	11.8	72.5	35,102	216,078	54
7	3e-7s	other	-	22.2	94.7	66,182	282,260	0

FPPA acres: 162,986 (54.7% of county)
Farmable acres: 216,078 (72.5% of county)
Grouped acres: 282,260
Total acres: 298,000

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/ .