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 : Shenandoah County, Virginia (VA171)
143 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	1B	alonzville loam	2- 7	2e	23.00	85	1	2,583	1.0
2	1C	alonzville loam	7-15	3e	21.00	78	S	364	0.1
3	2B	berks channery silt loam	2- 7	2e		0	0	1,201	0.5
4	3C	berks-weikert complex	7-15	3e	9.17	34	0	9,829	3.9
5	4B	blairton silt loam	2- 7	3w	15.00	56	1	868	0.3
6	4C	blairton silt loam	7-15	4e	14.00	52	0	1,137	0.5
7	5B	braddock loam	2- 7	2e	25.00	93	1	1,409	0.6
8	5C	braddock loam	7-15	3e	23.00	85	S	789	0.3
9	6B	braddock cobbly loam	2- 7	3s	18.00	67	S	353	0.1
10	6C	braddock cobbly loam	7-15	4s	16.00	59	S	597	0.2
11	6D	braddock cobbly loam	15-25	6s		0	S	568	0.2
12	7A	broadway silt loam	0- 2	1	26.00	96	1	1,464	0.6
13	8B	carbo silty clay loam	2- 7	2e	18.00	67	1	1,049	0.4
14	8C	carbo silty clay loam	7-15	3e	17.00	63	0	779	0.3
15	9C	carbo-endcav complex	2-15	3e		0	0	4,739	1.9
16	9D	carbo-endcav complex	15-35	7e		0	0	814	0.3
17	10A	caverns sandy loam	0- 2	1	24.00	89	1	1,445	0.6
18	11B	chilhowie silty clay loam	2- 7	3e	16.00	59	0	1,217	0.5
19	11C	chilhowie silty clay loam	7-15	4e	15.00	56	0	2,259	0.9
20	11D	chilhowie silty clay loam	15-25	6e		0	0	986	0.4
21	11E	chilhowie silty clay loam	25-35	7e		0	0	420	0.2
22	12C	chilhowie silty clay loam	7-15	4e	15.00	56	0	1,544	0.6
23	12D	chilhowie silty clay loam	15-25	6e		0	0	1,304	0.5
24	13C	chilhowie silty clay loam	7-15	4e		0	0	853	0.3
25	13D	chilhowie silty clay loam	15-35	7e		0	0	1,254	0.5
26	13E	chilhowie silty clay loam	35-55	7e		0	0	277	0.1
27	14B	coursey loam	2- 7	2e	22.00	81	1	3,698	1.5
28	14C	coursey loam	7-15	3e	19.00	70	S	942	0.4
29	15A	derroc cobbly sandy loam	0- 2	2w	11.00	41	0	1,402	0.6
30	16B	edom silty clay loam	2- 7	2e	20.00	74	1	605	0.2
31	16C	edom silty clay loam	7-15	3e	18.00	67	0	549	0.2
32	17B	endcav silt loam	2- 7	2e	22.00	81	1	5,992	2.4
33	17C	endcav silt loam	7-15	3e	20.00	74	S	3,598	1.4
34	17D	endcav silt loam	15-25	4e	18.00	67	S	940	0.4
35	18B	endcav silt loam	2- 7	2e	22.00	81	1	736	0.3

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	acres pct
36	18C	endcav silt loam	7-15	3e	20.00	74	S	1,696	0.7
37	19D	frederick gravelly silt loam	15-35	6e		0	0	177	0.1
38	20B	frederick and poplimento silt	2- 7	2e	26.00	96	1	6,371	2.5
39	20C	frederick and poplimento silt	7-15	3e	24.40	90	S	15,631	6.2
40	20D	frederick and poplimento silt	15-25	4e	18.80	70	S	7,007	2.8
41	21B	frederick and poplimento grav	2- 7	2e	19.00	70	1	2,123	0.8
42	21C	frederick and poplimento grav	7-15	3e	18.40	68	S	7,950	3.2
43	21D	frederick and poplimento grav	15-25	4e	9.60	36	S	5,606	2.2
44	21E	frederick and poplimento grav	25-35	6e		0	0	2,586	1.0
45	22B	frederick and poplimento silt	2- 7	2e	26.00	96	1	372	0.1
46	22C	frederick and poplimento silt	7-15	3e	24.40	90	S	2,567	1.0
47	22D	frederick and poplimento silt	15-25	4e	18.80	70	S	2,078	0.8
48	23C	frederick and poplimento silt	2-15	3e		0	0	3,476	1.4
49	23D	frederick and poplimento silt	15-35	6e		0	0	5,638	2.3
50	24B	gainesboro-berks complex	2- 7	2e	18.12	67	0	178	0.1
51	24C	gainesboro-berks complex	7-15	3e	17.12	63	0	212	0.1
52	24D	gainesboro-berks complex	15-25	4e	15.59	58	0	286	0.1
53	24E	gainesboro-berks complex	25-35	6e		0	0	745	0.3
54	25B	gilpin silt loam	2- 7	2e		0	0	630	0.3
55	25C	gilpin silt loam	7-15	3e		0	0	2,045	0.8
56	25D	gilpin silt loam	15-25	4e		0	0	745	0.3
57	26C	gilpin channery silt loam	2-15	3e		0	0	1,000	0.4
58	26D	gilpin channery silt loam	15-35	6e		0	0	1,377	0.6
59	27C	gilpin channery silt loam	7-15	6s		0	0	1,088	0.4
60	27D	gilpin channery silt loam	15-25	6s		0	0	1,339	0.5
61	27E	gilpin channery silt loam	25-35	7s		0	0	700	0.3
62	28C	gilpin channery silt loam	2-15	6s		0	0	45	0.0
63	28D	gilpin channery silt loam	15-35	7s		0	0	263	0.1
64	28E	gilpin channery silt loam	35-55	7s		0	0	219	0.1
65	29A	gladehill fine sandy loam	0- 2	1	26.00	96	1	258	0.1
66	30A	guyan silt loam	0- 2	3w	21.00	78	1	394	0.2
67	31B	jefferson sandy loam	2- 7	2e		0	1	753	0.3
68	31C	jefferson sandy loam	7-15	3e		0	S	796	0.3
69	32C	jefferson sandy loam	2-15	3e		0	S	31	0.0
70	32D	jefferson sandy loam	15-35	6e		0	0	508	0.2
71	33C	jefferson sandy loam	2-15	6s		0	S	1,012	0.4
72	33D	jefferson sandy loam	15-35	7s		0	0	475	0.2
73	33E	jefferson sandy loam	35-55	7s		0	0	268	0.1
74	34B	laidig channery loam	2- 7	2e	20.00	74	1	1,541	0.6
75	34C	laidig channery loam	7-15	3e	19.00	70	0	2,636	1.1
76	35C	laidig channery loam	2-15	3e	19.00	70	0	148	0.1
77	35D	laidig channery loam	15-35	6e		0	0	56	0.0
78	36B	laidig channery loam	2- 7	2e		0	0	652	0.3
79	36C	laidig channery loam	7-15	3e		0	0	4,574	1.8
80	37C	laidig channery loam	2-15	6s		0	0	3,563	1.4
81	37D	laidig channery loam	15-35	7s		0	0	8,396	3.4
82	37E	laidig channery loam	35-55	7s		0	0	37	0.0
83	38B	lehew and gainesboro soils	2- 7	2e	17.60	65	0	437	0.2
84	38C	lehew and gainesboro soils	7-15	3e	16.60	61	0	1,414	0.6
85	38D	lehew and gainesboro soils	15-25	4e	15.20	56	0	1,127	0.5
86	38E	lehew and gainesboro soils	25-35	6e		0	0	2,289	0.9
87	39A	massanetta silt loam	0- 2	2w	20.00	74	1	377	0.2
88	40D	massanutten channery silt loa	15-35	6e		0	0	355	0.1
89	40E	massanutten channery silt loa	35-55	7e		0	0	0	0.0

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	acres pct
90	41D	massanutten channery silt loa	15-35	6s		0	0	750	0.3
91	41E	massanutten channery silt loa	35-55	7e		0	0	0	0.0
92	42A	maurertown silty clay loam	0- 2	4w	14.00	52	0	545	0.2
93	43B	moomaw fine sandy loam	2- 7	2e	20.00	74	1	2,059	0.8
94	43C	moomaw fine sandy loam	7-15	3e	18.00	67	0	679	0.3
95	44B	moomaw cobbly fine sandy loam	2- 7	3s	19.00	70	0	650	0.3
96	44C	moomaw cobbly fine sandy loam	7-15	4s	17.00	63	0	639	0.3
97	45A	newmarc silt loam	0- 2	4w	17.00	63	1	534	0.2
98	46A	nomberville loam	0- 2	1	27.00	100	1	1,304	0.5
99	47C	opequon silty clay loam	2-15	6s		0	0	687	0.3
100	48C	opequon silty clay loam	2-15	6s		0	0	988	0.4
101	48D	opequon silty clay loam	15-25	6s		0	0	694	0.3
102	49	pits and dumps	0- 0	0		0	0	841	0.3
103	50A	purdy silty clay loam	0- 2	4w	16.00	59	0	286	0.1
104	51D	rock outcrop-carbo complex	2-25	8s		0	0	2,946	1.2
105	52F	rock outcrop-drall-wallen com	15-70	8s		0	0	1,808	0.7
106	53C	sequoia loam	2-15	4e		0	S	657	0.3
107	53D	sequoia loam	15-35	6e		0	0	524	0.2
108	53E	sequoia loam	35-55	7e		0	0	0	0.0
109	54B	timberville silt loam	2- 7	2e	25.00	93	1	1,325	0.5
110	55A	toms silt loam	0- 2	4w	14.00	52	1	1,279	0.5
111	56B	trappist silt loam	2- 7	2e	16.00	59	1	563	0.2
112	56C	trappist silt loam	7-15	3e	15.00	56	S	627	0.3
113	57	udorthents	0- 0	0		0	0	219	0.1
114	58	udorthents-urban land complex	0-30	8s		0	0	1,814	0.7
115	59B	unison loam	2- 7	2e	25.00	93	1	2,860	1.1
116	59C	unison loam	7-15	3e	23.00	85	S	1,116	0.4
117	60B	unison gravelly loam	2- 7	2e	25.00	93	1	829	0.3
118	60C	unison gravelly loam	7-15	3e	23.00	85	S	626	0.3
119	61B	unison cobbly loam	2- 7	3e	23.00	85	S	654	0.3
120	61C	unison cobbly loam	7-15	3e	21.00	78	S	629	0.3
121	62C	wallen channery sandy loam	7-15	4s		0	0	277	0.1
122	62D	wallen channery sandy loam	15-35	7s		0	0	816	0.3
123	63C	wallen channery sandy loam	2-15	7s		0	0	126	0.1
124	63D	wallen channery sandy loam	15-35	7s		0	0	4,395	1.8
125	63E	wallen channery sandy loam	35-55	7s		0	0	240	0.1
126	64D	wallen channery sandy loam	15-35	7s		0	0	0	0.0
127	64E	wallen channery sandy loam	35-55	7s		0	0	818	0.3
128	64F	wallen channery sandy loam	55-70	7s		0	0	897	0.4
129	65C	wallen-lehew complex	2-15	7s		0	0	187	0.1
130	65D	wallen-lehew complex	15-35	7s		0	0	466	0.2
131	65E	wallen-lehew complex	35-55	7s		0	0	39	0.0
132	66E	wallen-lehew complex	35-55	7s		0	0	21	0.0
133	66F	wallen-lehew complex	55-70	7s		0	0	0	0.0
134	67F	weikert channery silt loam	55-70	7e		0	0	274	0.1
135	68D	weikert-berks complex	15-35	7e		0	0	36,018	14.4
136	68E	weikert-berks complex	35-55	7e		0	0	383	0.2
137	69D	weikert-berks complex	15-35	7s		0	0	3,681	1.5
138	69F	weikert-berks complex	35-70	7s		0	0	3,331	1.3
139	70B	wolfgap loam	1- 5	1	25.00	93	1	1,959	0.8

line no.	**map symbl**	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
140	71D	zepp very channery loam	15-35	6s		0	0	788	0.3
141	71E	zepp very channery loam	35-55	7e		0	0	86	0.0
142	72E	zepp very channery loam	35-55	7e		0	0	42	0.0
143	W	water	0- 0	0		0	0	1,413	0.6
								250,200	

Sorted by Productivity Index (prd ind)

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
1	7A	broadway silt loam	0- 2	1	160	100	1	1,464	0.4
2	46A	nomberville loam	0- 2	1	160	100	1	1,409	0.4
3	39A	massanetta silt loam	0- 2	2w	160	100	1	377	0.1
4	10A	caverns sandy loam	0- 2	1	140	88	1	1,445	0.4
5	54B	timberville silt loam	2- 7	2e	140	88	1	1,325	0.4
6	20B	frederick and poplimento silt	2- 7	2e	130	81	1	6,371	1.9
7	14B	coursey loam	2- 7	2e	130	81	1	3,698	1.1
8	59B	unison loam	2- 7	2e	130	81	1	2,860	0.9
9	1B	alonzville loam	2- 7	2e	130	81	1	2,583	0.8
10	21B	frederick and poplimento grav	2- 7	2e	130	81	1	2,123	0.6
11	5B	braddock loam	2- 7	2e	130	81	1	1,409	0.4
12	60B	unison gravelly loam	2- 7	2e	130	81	1	829	0.3
13	16B	edom silty clay loam	2- 7	2e	130	81	1	605	0.2
14	61B	unison cobbly loam	2- 7	3e	130	81	S	654	0.2
15	6B	braddock cobbly loam	2- 7	3s	130	81	S	353	0.1
16	70B	wolfgap loam	1- 5	1	125	78	1	1,959	0.6
17	14C	coursey loam	7-15	3e	123	77	S	1,028	0.3
18	22B	frederick and poplimento silt	2- 7	2e	117	73	1	372	0.1
19	20C	frederick and poplimento silt	7-15	3e	114	71	S	15,631	4.8
20	21C	frederick and poplimento grav	7-15	3e	114	71	S	7,961	2.4
21	59C	unison loam	7-15	3e	114	71	S	1,116	0.3
22	5C	braddock loam	7-15	3e	114	71	S	789	0.2
23	61C	unison cobbly loam	7-15	3e	114	71	S	629	0.2
24	60C	unison gravelly loam	7-15	3e	114	71	S	626	0.2
25	16C	edom silty clay loam	7-15	3e	114	71	0	553	0.2
26	1C	alonzville loam	7-15	3e	114	71	S	427	0.1
27	6C	braddock cobbly loam	7-15	4s	114	71	S	597	0.2
28	31B	jefferson sandy loam	2- 7	2e	110	69	1	759	0.2
29	25B	gilpin silt loam	2- 7	2e	110	69	0	635	0.2
30	56B	trappist silt loam	2- 7	2e	110	69	1	563	0.2
31	20D	frederick and poplimento silt	15-25	4e	104	65	S	7,007	2.1
32	21D	frederick and poplimento grav	15-25	4e	104	65	S	5,671	1.7
33	19D	frederick gravelly silt loam	15-35	6e	104	65	0	462	0.1
34	6D	braddock cobbly loam	15-25	6s	104	65	S	568	0.2
35	22C	frederick and poplimento silt	7-15	3e	103	64	S	2,567	0.8
36	17B	endcav silt loam	2- 7	2e	100	63	1	5,992	1.8
37	43B	moomaw fine sandy loam	2- 7	2e	100	63	1	2,059	0.6
38	34B	laidig channery loam	2- 7	2e	100	63	1	1,547	0.5
39	8B	carbo silty clay loam	2- 7	2e	100	63	1	1,049	0.3
40	44B	moomaw cobbly fine sandy loam	2- 7	3s	100	63	0	650	0.2
41	30A	guyan silt loam	0- 2	3w	100	63	1	394	0.1
42	25C	gilpin silt loam	7-15	3e	97	61	0	2,074	0.6

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	acres pct
43	26C	gilpin channery silt loam	2-15	3e	97	61	0	1,175	0.4
44	31C	jefferson sandy loam	7-15	3e	97	61	S	803	0.2
45	56C	trappist silt loam	7-15	3e	97	61	S	638	0.2
46	32C	jefferson sandy loam	2-15	3e	97	61	S	293	0.1
47	53C	sequoia loam	2-15	4e	97	61	S	902	0.3
48	22D	frederick and poplimento silt	15-25	4e	94	59	S	2,078	0.6
49	18B	endcav silt loam	2- 7	2e	90	56	1	736	0.2
50	17C	endcav silt loam	7-15	3e	88	55	S	3,598	1.1
51	34C	laidig channery loam	7-15	3e	88	55	0	2,671	0.8
52	35C	laidig channery loam	2-15	3e	88	55	0	823	0.3
53	8C	carbo silty clay loam	7-15	3e	88	55	0	779	0.2
54	43C	moomaw fine sandy loam	7-15	3e	88	55	0	679	0.2
55	25D	gilpin silt loam	15-25	4e	88	55	0	813	0.2
56	44C	moomaw cobbly fine sandy loam	7-15	4s	88	55	0	639	0.2
57	26D	gilpin channery silt loam	15-35	6e	88	55	0	1,967	0.6
58	53D	sequoia loam	15-35	6e	88	55	0	1,724	0.5
59	32D	jefferson sandy loam	15-35	6e	88	55	0	1,078	0.3
60	29A	gladehill fine sandy loam	0- 2	1	85	53	1	258	0.1
61	15A	derroc cobbly sandy loam	0- 2	2w	85	53	0	1,519	0.5
62	4B	blairton silt loam	2- 7	3w	85	53	1	868	0.3
63	17D	endcav silt loam	15-25	4e	80	50	S	940	0.3
64	35D	laidig channery loam	15-35	6e	80	50	0	798	0.2
65	18C	endcav silt loam	7-15	3e	79	49	S	1,696	0.5
66	24B	gainesboro-berks complex	2- 7	2e	76	47	0	178	0.1
67	4C	blairton silt loam	7-15	4e	75	47	0	1,137	0.3
68	38B	lehew and gainesboro soils	2- 7	2e	73	46	0	437	0.1
69	24C	gainesboro-berks complex	7-15	3e	67	42	0	212	0.1
70	2B	berks channery silt loam	2- 7	2e	65	41	0	1,201	0.4
71	11B	chilhowie silty clay loam	2- 7	3e	65	41	0	1,217	0.4
72	55A	toms silt loam	0- 2	4w	65	41	1	1,279	0.4
73	42A	maurertown silty clay loam	0- 2	4w	65	41	0	605	0.2
74	45A	newmarc silt loam	0- 2	4w	65	41	1	537	0.2
75	50A	purdy silty clay loam	0- 2	4w	65	41	0	324	0.1
76	38C	lehew and gainesboro soils	7-15	3e	64	40	0	1,414	0.4
77	24D	gainesboro-berks complex	15-25	4e	60	38	0	308	0.1
78	38D	lehew and gainesboro soils	15-25	4e	58	37	0	1,127	0.3
79	3C	berks-weikert complex	7-15	3e	57	36	0	9,915	3.0
80	11C	chilhowie silty clay loam	7-15	4e	57	36	0	2,259	0.7
81	62C	wallen channery sandy loam	7-15	4s	57	36	0	277	0.1
82	12C	chilhowie silty clay loam	7-15	4e	52	33	0	1,550	0.5
83	11D	chilhowie silty clay loam	15-25	6e	52	33	0	996	0.3
84	40D	massanutten channery silt loa	15-35	6e	52	33	0	882	0.3
85	47C	opequon silty clay loam	2-15	6s	52	33	0	687	0.2
86	68D	weikert-berks complex	15-35	7e	52	33	0	38,678	11.8
87	62D	wallen channery sandy loam	15-35	7s	52	33	0	816	0.2
88	12D	chilhowie silty clay loam	15-25	6e	47	29	0	1,318	0.4
89	36B	laidig channery loam	2- 7	2e		0	0	672	0.2
90	36C	laidig channery loam	7-15	3e		0	0	5,064	1.5
91	9C	carbo-endcav complex	2-15	3e		0	0	4,739	1.4
92	23C	frederick and poplimento silt	2-15	3e		0	0	3,476	1.1
93	13C	chilhowie silty clay loam	7-15	4e		0	0	853	0.3
94	23D	frederick and poplimento silt	15-35	6e		0	0	5,638	1.7
95	21E	frederick and poplimento grav	25-35	6e		0	0	2,664	0.8
96	38E	lehew and gainesboro soils	25-35	6e		0	0	2,396	0.7

line no.	map symbl	soil name	slope	lc	nirr yield	**prd ind**	i f	acres number	pct
97	24E	gainesboro-berks complex	25-35	6e		0	0	792	0.2
98	37C	laidig channery loam	2-15	6s		0	0	6,740	2.1
99	41D	massanutten channery silt loa	15-35	6s		0	0	2,056	0.6
100	71D	zepp very channery loam	15-35	6s		0	0	2,026	0.6
101	27D	gilpin channery silt loam	15-25	6s		0	0	1,396	0.4
102	33C	jefferson sandy loam	2-15	6s		0	S	1,353	0.4
103	27C	gilpin channery silt loam	7-15	6s		0	0	1,166	0.4
104	48C	opequon silty clay loam	2-15	6s		0	0	988	0.3
105	48D	opequon silty clay loam	15-25	6s		0	0	694	0.2
106	28C	gilpin channery silt loam	2-15	6s		0	0	549	0.2
107	68E	weikert-berks complex	35-55	7e		0	0	1,907	0.6
108	41E	massanutten channery silt loa	35-55	7e		0	0	1,453	0.4
109	13D	chilhowie silty clay loam	15-35	7e		0	0	1,310	0.4
110	72E	zepp very channery loam	35-55	7e		0	0	959	0.3
111	9D	carbo-endcav complex	15-35	7e		0	0	814	0.2
112	13E	chilhowie silty clay loam	35-55	7e		0	0	705	0.2
113	71E	zepp very channery loam	35-55	7e		0	0	539	0.2
114	67F	weikert channery silt loam	55-70	7e		0	0	468	0.1
115	11E	chilhowie silty clay loam	25-35	7e		0	0	420	0.1
116	40E	massanutten channery silt loa	35-55	7e		0	0	345	0.1
117	53E	sequoia loam	35-55	7e		0	0	120	0.0
118	37D	laidig channery loam	15-35	7s		0	0	15,498	4.7
119	63E	wallen channery sandy loam	35-55	7s		0	0	8,512	2.6
120	63D	wallen channery sandy loam	15-35	7s		0	0	8,422	2.6
121	64E	wallen channery sandy loam	35-55	7s		0	0	5,839	1.8
122	64F	wallen channery sandy loam	55-70	7s		0	0	4,343	1.3
123	69D	weikert-berks complex	15-35	7s		0	0	3,787	1.2
124	69F	weikert-berks complex	35-70	7s		0	0	3,742	1.1
125	28D	gilpin channery silt loam	15-35	7s		0	0	2,900	0.9
126	37E	laidig channery loam	35-55	7s		0	0	2,649	0.8
127	28E	gilpin channery silt loam	35-55	7s		0	0	2,504	0.8
128	66F	wallen-lehew complex	55-70	7s		0	0	2,150	0.7
129	65E	wallen-lehew complex	35-55	7s		0	0	2,010	0.6
130	65D	wallen-lehew complex	15-35	7s		0	0	1,832	0.6
131	33D	jefferson sandy loam	15-35	7s		0	0	1,560	0.5
132	27E	gilpin channery silt loam	25-35	7s		0	0	751	0.2
133	33E	jefferson sandy loam	35-55	7s		0	0	689	0.2
134	66E	wallen-lehew complex	35-55	7s		0	0	514	0.2
135	63C	wallen channery sandy loam	2-15	7s		0	0	457	0.1
136	64D	wallen channery sandy loam	15-35	7s		0	0	395	0.1
137	65C	wallen-lehew complex	2-15	7s		0	0	395	0.1
138	52F	rock outcrop-drall-wallen com	15-70	8s		0	0	13,397	4.1
139	51D	rock outcrop-carbo complex	2-25	8s		0	0	2,946	0.9
140	58	udorthents-urban land complex	0-30	8s		0	0	1,814	0.6
141	W	water	0- 0	0		0	0	1,413	0.4
142	49	pits and dumps	0- 0	0		0	0	841	0.3
143	57	udorthents	0- 0	0		0	0	219	0.1
								327,900	

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
7A	1	broadway s	0- 2	160	100	1	1,464	0.4	234,240	160	234,240
46A	1	nombervill	0- 2	160	100	1	1,409	0.4	225,440	160	225,440
39A	2w	massanetta	0- 2	160	100	1	377	0.1	60,320	160	60,320
10A	1	caverns sa	0- 2	140	88	1	1,445	0.4	202,300	140	202,300
54B	2e	timbervill	2- 7	140	88	1	1,325	0.4	185,500	140	185,500
20B	2e	frederick	2- 7	130	81	1	6,371	1.9	828,230	130	828,230
14B	2e	coursey lo	2- 7	130	81	1	3,698	1.1	480,740	130	480,740
59B	2e	unison loa	2- 7	130	81	1	2,860	0.9	371,800	130	371,800
1B	2e	alonzville	2- 7	130	81	1	2,583	0.8	335,790	130	335,790
21B	2e	frederick	2- 7	130	81	1	2,123	0.6	275,990	130	275,990
5B	2e	braddock l	2- 7	130	81	1	1,409	0.4	183,170	130	183,170
60B	2e	unison gra	2- 7	130	81	1	829	0.3	107,770	130	107,770
16B	2e	edom silty	2- 7	130	81	1	605	0.2	78,650	130	78,650
70B	1	wolfgap lo	1- 5	125	78	1	1,959	0.6	244,875	125	244,875
						TOTAL	28,457	8.7	3,814,815		3,814,815

Weighted Average Yield = 134.06 Adjusted Weighted Average Yield = 134.06

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
22B	2e	frederick	2- 7	117	73	1	372	0.1	43,524	117	43,524
31B	2e	jefferson	2- 7	110	69	1	759	0.2	83,490	110	83,490
56B	2e	trappist s	2- 7	110	69	1	563	0.2	61,930	110	61,930
17B	2e	endcav sil	2- 7	100	63	1	5,992	1.8	599,200	100	599,200
43B	2e	moomaw fin	2- 7	100	63	1	2,059	0.6	205,900	100	205,900
34B	2e	laidig cha	2- 7	100	63	1	1,547	0.5	154,700	100	154,700
8B	2e	carbo silt	2- 7	100	63	1	1,049	0.3	104,900	100	104,900
30A	3w	guyan silt	0- 2	100	63	1	394	0.1	39,400	100	39,400
						TOTAL	12,735	3.9	1,293,044		1,293,044

Weighted Average Yield = 101.53 Adjusted Weighted Average Yield = 101.53

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
18B	2e	endcav sil	2- 7	90	56	1	736	0.2	66,240	90	66,240
29A	1	gladehill	0- 2	85	53	1	258	0.1	21,930	85	21,930
4B	3w	blairton s	2- 7	85	53	1	868	0.3	73,780	85	73,780
55A	4w	toms silt	0- 2	65	41	1	1,279	0.4	83,135	65	83,135
45A	4w	newmarc si	0- 2	65	41	1	537	0.2	34,905	65	34,905
						TOTAL	3,678	1.1	279,990		279,990

Weighted Average Yield = 76.13 Adjusted Weighted Average Yield = 76.13

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
61B	3e	unison cob	2- 7	130	81	S	654	0.2	85,020	130	85,020
6B	3s	braddock c	2- 7	130	81	S	353	0.1	45,890	130	45,890
14C	3e	coursey lo	7-15	123	77	S	1,028	0.3	126,444	123	126,444
20C	3e	frederick	7-15	114	71	S	15,631	4.8	1,781,934	114	1,781,934
21C	3e	frederick	7-15	114	71	S	7,961	2.4	907,554	114	907,554
59C	3e	unison loa	7-15	114	71	S	1,116	0.3	127,224	114	127,224
5C	3e	braddock l	7-15	114	71	S	789	0.2	89,946	114	89,946
61C	3e	unison cob	7-15	114	71	S	629	0.2	71,706	114	71,706
60C	3e	unison gra	7-15	114	71	S	626	0.2	71,364	114	71,364
1C	3e	alonzville	7-15	114	71	S	427	0.1	48,678	114	48,678
6C	4s	braddock c	7-15	114	71	S	597	0.2	68,058	114	68,058
						TOTAL	29,811	9.1	3,423,818		3,423,818

Weighted Average Yield = 114.85 Adjusted Weighted Average Yield = 114.85

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
20D	4e	frederick	15-25	104	65	S	7,007	2.1	728,728	104	728,728
21D	4e	frederick	15-25	104	65	S	5,671	1.7	589,784	104	589,784
6D	6s	braddock c	15-25	104	65	S	568	0.2	59,072	104	59,072
22C	3e	frederick	7-15	103	64	S	2,567	0.8	264,401	103	264,401
31C	3e	jefferson	7-15	97	61	S	803	0.2	77,891	97	77,891
56C	3e	trappist s	7-15	97	61	S	638	0.2	61,886	97	61,886
32C	3e	jefferson	2-15	97	61	S	293	0.1	28,421	97	28,421
53C	4e	sequoia lo	2-15	97	61	S	902	0.3	87,494	97	87,494
22D	4e	frederick	15-25	94	59	S	2,078	0.6	195,332	94	195,332
17C	3e	endcav sil	7-15	88	55	S	3,598	1.1	316,624	88	316,624
17D	4e	endcav sil	15-25	80	50	S	940	0.3	75,200	80	75,200
18C	3e	endcav sil	7-15	79	49	S	1,696	0.5	133,984	79	133,984
						TOTAL	26,761	8.2	2,618,817		2,618,817

Weighted Average Yield = 97.86 Adjusted Weighted Average Yield = 97.86

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
16C	3e	edom silty	7-15	114	71	0	553	0.2	63,042	114	63,042
25B	2e	gilpin sil	2- 7	110	69	0	635	0.2	69,850	110	69,850
19D	6e	frederick	15-35	104	65	0	462	0.1	48,048	104	48,048
44B	3s	moomaw cob	2- 7	100	63	0	650	0.2	65,000	100	65,000
25C	3e	gilpin sil	7-15	97	61	0	2,074	0.6	201,178	97	201,178
26C	3e	gilpin cha	2-15	97	61	0	1,175	0.4	113,975	97	113,975
34C	3e	laidig cha	7-15	88	55	0	2,671	0.8	235,048	88	235,048

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
35C	3e	laidig cha	2-15	88	55	0	823	0.3	72,424	88	72,424
8C	3e	carbo silt	7-15	88	55	0	779	0.2	68,552	88	68,552
43C	3e	moomaw fin	7-15	88	55	0	679	0.2	59,752	88	59,752
25D	4e	gilpin sil	15-25	88	55	0	813	0.2	71,544	88	71,544
44C	4s	moomaw cob	7-15	88	55	0	639	0.2	56,232	88	56,232
26D	6e	gilpin cha	15-35	88	55	0	1,967	0.6	173,096	88	173,096
53D	6e	sequoia lo	15-35	88	55	0	1,724	0.5	151,712	88	151,712
32D	6e	jefferson	15-35	88	55	0	1,078	0.3	94,864	88	94,864
15A	2w	derroc cob	0- 2	85	53	0	1,519	0.5	129,115	85	129,115
35D	6e	laidig cha	15-35	80	50	0	798	0.2	63,840	80	63,840
					TOTAL		19,039	5.8	1,737,272		1,737,272

Weighted Average Yield = 91.25 Adjusted Weighted Average Yield = 91.25

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
24B	2e	gainesboro	2- 7	76	47	0	178	0.1	13,455	76	13,455
4C	4e	blairton s	7-15	75	47	0	1,137	0.3	85,275	75	85,275
38B	2e	lehew and	2- 7	73	46	0	437	0.1	31,901	73	31,901
24C	3e	gainesboro	7-15	67	42	0	212	0.1	14,104	67	14,104
2B	2e	berks chan	2- 7	65	41	0	1,201	0.4	78,065	65	78,065
11B	3e	chilhowie	2- 7	65	41	0	1,217	0.4	79,105	65	79,105
42A	4w	maurertown	0- 2	65	41	0	605	0.2	39,325	65	39,325
50A	4w	purdy silt	0- 2	65	41	0	324	0.1	21,060	65	21,060
38C	3e	lehew and	7-15	64	40	0	1,414	0.4	90,779	64	90,779
24D	4e	gainesboro	15-25	60	38	0	308	0.1	18,625	60	18,625
38D	4e	lehew and	15-25	58	37	0	1,127	0.3	65,817	58	65,817
3C	3e	berks-weik	7-15	57	36	0	9,915	3.0	565,155	57	565,155
11C	4e	chilhowie	7-15	57	36	0	2,259	0.7	128,763	57	128,763
62C	4s	wallen cha	7-15	57	36	0	277	0.1	15,789	57	15,789
12C	4e	chilhowie	7-15	52	33	0	1,550	0.5	80,600	52	80,600
11D	6e	chilhowie	15-25	52	33	0	996	0.3	51,792	52	51,792
40D	6e	massanutte	15-35	52	33	0	882	0.3	45,864	52	45,864
47C	6s	opequon si	2-15	52	33	0	687	0.2	35,724	52	35,724
68D	7e	weikert-be	15-35	52	33	0	38,678	11.8	2,011,256	52	2,011,256
62D	7s	wallen cha	15-35	52	33	0	816	0.2	42,432	52	42,432
12D	6e	chilhowie	15-25	47	29	0	1,318	0.4	61,946	47	61,946
					TOTAL		65,538	20.0	3,576,831		3,576,831

Weighted Average Yield = 54.58 Adjusted Weighted Average Yield = 54.58

Group Number 8

map symbl	lc	soil name	slope	nir prd yld ind	I F	acres number	acres pct	yield x acres	adj yld	adjust product
36B	2e	laidig cha	2- 7		0	672	0.2	0		0
36C	3e	laidig cha	7-15		0	5,064	1.5	0		0
9C	3e	carbo-endc	2-15		0	4,739	1.4	0		0
23C	3e	frederick	2-15		0	3,476	1.1	0		0
13C	4e	chilhowie	7-15		0	853	0.3	0		0
23D	6e	frederick	15-35		0	5,638	1.7	0		0
21E	6e	frederick	25-35		0	2,664	0.8	0		0
38E	6e	lehew and	25-35		0	2,396	0.7	0		0
24E	6e	gainesboro	25-35		0	792	0.2	0		0
37C	6s	laidig cha	2-15		0	6,740	2.1	0		0
41D	6s	massanutte	15-35		0	2,056	0.6	0		0
71D	6s	zepp very	15-35		0	2,026	0.6	0		0
27D	6s	gilpin cha	15-25		0	1,396	0.4	0		0
27C	6s	gilpin cha	7-15		0	1,166	0.4	0		0
48C	6s	opequon si	2-15		0	988	0.3	0		0
48D	6s	opequon si	15-25		0	694	0.2	0		0
28C	6s	gilpin cha	2-15		0	549	0.2	0		0
68E	7e	weikert-be	35-55		0	1,907	0.6	0		0
41E	7e	massanutte	35-55		0	1,453	0.4	0		0
13D	7e	chilhowie	15-35		0	1,310	0.4	0		0
72E	7e	zepp very	35-55		0	959	0.3	0		0
9D	7e	carbo-endc	15-35		0	814	0.2	0		0
13E	7e	chilhowie	35-55		0	705	0.2	0		0
71E	7e	zepp very	35-55		0	539	0.2	0		0
67F	7e	weikert ch	55-70		0	468	0.1	0		0
11E	7e	chilhowie	25-35		0	420	0.1	0		0
40E	7e	massanutte	35-55		0	345	0.1	0		0
53E	7e	sequoia lo	35-55		0	120	0.0	0		0
37D	7s	laidig cha	15-35		0	15,498	4.7	0		0
63E	7s	wallen cha	35-55		0	8,512	2.6	0		0
63D	7s	wallen cha	15-35		0	8,422	2.6	0		0
64E	7s	wallen cha	35-55		0	5,839	1.8	0		0
64F	7s	wallen cha	55-70		0	4,343	1.3	0		0
69D	7s	weikert-be	15-35		0	3,787	1.2	0		0
69F	7s	weikert-be	35-70		0	3,742	1.1	0		0
28D	7s	gilpin cha	15-35		0	2,900	0.9	0		0
37E	7s	laidig cha	35-55		0	2,649	0.8	0		0
28E	7s	gilpin cha	35-55		0	2,504	0.8	0		0
66F	7s	wallen-leh	55-70		0	2,150	0.7	0		0
65E	7s	wallen-leh	35-55		0	2,010	0.6	0		0
65D	7s	wallen-leh	15-35		0	1,832	0.6	0		0
33D	7s	jefferson	15-35		0	1,560	0.5	0		0
27E	7s	gilpin cha	25-35		0	751	0.2	0		0
33E	7s	jefferson	35-55		0	689	0.2	0		0
66E	7s	wallen-leh	35-55		0	514	0.2	0		0
63C	7s	wallen cha	2-15		0	457	0.1	0		0
64D	7s	wallen cha	15-35		0	395	0.1	0		0
65C	7s	wallen-leh	2-15		0	395	0.1	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
52F	8s	rock outcr	15-70			0	13,397	4.1	0		0
51D	8s	rock outcr	2-25			0	2,946	0.9	0		0
58	8s	udorthents	0-30			0	1,814	0.6	0		0
						TOTAL	138,055	42.1	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
33C	6s	jefferson	2-15			S	1,353	0.4	0		0
W	0	water	0- 0			0	1,413	0.4	0		0
49	0	pits and d	0- 0			0	841	0.3	0		0
57	0	udorthents	0- 0			0	219	0.1	0		0

Summary Grouping

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	1-2w	prime	78-100	8.7	8.7	28,457	28,457	100
2	2e-3w	prime	63- 73	3.9	12.6	12,735	41,192	76
3	1-4w	prime	41- 56	1.1	13.7	3,678	44,870	57
4	3e-4s	state	71- 81	9.1	22.8	29,811	74,681	86
5	3e-6s	state	49- 65	8.2	30.9	26,761	101,442	73
6	2e-6e	other	50- 71	5.8	36.7	19,039	120,481	68
7	2e-7s	other	29- 47	20.0	56.7	65,538	186,019	41
8	2e-8s	other	-	42.1	98.8	138,055	324,074	0

FPPA acres: 101,442 (30.9% of county)
Farmable acres: 186,019 (56.7% of county)
Grouped acres: 324,074
Total acres: 327,900

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/ .