LESA Worksheet #1

NOTE: The soil mapunits shown are for the selected area. Unless modified with the edit function, 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.

```
County/Parish : sussex, virginia (VA183)
                48 mapunits

Indicator crop     : corn
Temperature Regime : thermic
C factor           : 0.00
System irrigated?  : no
Minimum Component  : 15%
```

line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
1	26A	state sandy loam	0- 2	1	160	100	1	1,626	0.5
2	1B	altavista fine sandy loam	2- 6	2e	160	100	1	563	0.2
3	1A	altavista fine sandy loam	0- 2	2w	160	100	1	5,591	1.8
4	25B	slagle fine sandy loam	2- 6	2e	130	81	1	39,057	12.4
5	13B	eulonia fine sandy loam	2- 6	2e	130	81	1	4,808	1.5
6	11A	dogue loam	0- 2	2e	130	81	1	1,834	0.6
7	11B	dogue loam	2- 6	2e	130	81	1	319	0.1
8	25A	slagle fine sandy loam	0- 2	2w	130	81	1	30,594	9.7
9	13A	eulonia fine sandy loam	0- 2	2w	130	81	1	5,893	1.9
10	18B	nansemond sandy loam	0- 4	2w	126	79	1	829	0.3
11	8A	chewacla loam	0- 2	4w	125	78	0	4,886	1.5
12	12B	emporia-slagle complex	2- 6	2e	123	77	1	14,017	4.4
13	14B	faceville fine sandy loam	2- 6	2e	120	75	1	948	0.3
14	12A	emporia-slagle complex	0- 2	1	115	72	1	12,068	3.8
15	12C	emporia-slagle complex	6-10	2e	109	68	S	9,500	3.0
16	13C	eulonia fine sandy loam	6-10	3e	106	67	0	2,298	0.7
17	14C	faceville fine sandy loam	6-10	4e	106	66	S	240	0.1
18	9B	craven loam	2- 6	2e	102	63	1	10,259	3.3
19	2B	appling sandy loam	2- 7	2e	100	63	1	233	0.1
20	15B	georgeville silt loam	2- 7	2e	100	63	1	93	0.0
21	3A	augusta sandy loam	0- 2	4w	100	63	2	4,833	1.5
22	9A	craven loam	0- 2	2w	93	58	1	1,636	0.5
23	30C	uchee-slagle complex	6-10	3s	91	57	S	5,905	1.9
24	2C	appling sandy loam	7-15	4e	88	55	S	414	0.1
25	15C	georgeville silt loam	7-15	4e	88	55	S	144	0.0
26	29B	uchee loamy sand	0- 6	2s	85	53	S	11,550	3.7
27	23B	rumford-uchee complex	2- 6	2s	85	53	S	2,156	0.7
28	24A	seabrook sand	0- 2	3s	85	53	0	4,401	1.4
29	21B	ocilla loamy sand	0- 6	3w	85	53	S	13,239	4.2
30	5A	bojac loamy sand	0- 2	2s	81	51	1	422	0.1
31	15D	georgeville silt loam	15-25	6e	80	50	0	942	0.3

32	4A	bibb and chastain soils	0- 2	6w	76	47	0	7,415	2.3
33	16B	helena loam	2- 7	2e	65	41	1	971	0.3
34	32A	warne fine sandy loam	0- 2	2w	65	41	S	4,310	1.4
35	27B	tarboro loamy sand	0- 6	3s	65	41	0	3,650	1.2
36	6A	buncombe loamy sand	0- 2	3s	65	41	0	794	0.3
37	33A	yemassee fine sandy loam	0- 2	4w	65	41	2	19,029	6.0
38	17A	myatt loam	0- 2	4w	65	41	2	12,559	4.0
39	28A	tomotley sandy loam	0- 2	4w	65	41	2	7,368	2.3
40	7A	chastain loam	0- 2	7w	65	41	0	25,285	8.0
41	16C	helena loam	7-15	2e	57	36	1	1,081	0.3
42	10C3	craven clay loam	6-10	4e	52	33	0	13,673	4.3
43	19A	nawney and mattan soils	0- 1	7w	15	9	0	1,361	0.4
44	20D	nevarc and emporia soils	10-15	4e		0	0	3,725	1.2
45	20F	nevarc and emporia soils	15-50	4e		0	0	371	0.1
46	22A	roanoke loam	0- 2	7w		0	0	18,426	5.8
47	W	water	0- 0	0		0	0	2,397	0.8
48	31	udorthents	0-25	0		0	0	1,887	0.6
								315,600	

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

County/Parish : sussex, virginia (VA183)

Group Number 1

---

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
26A	1	state sand	0- 2	160	100	1	1,626	0.5	260,160	160	260,160
1B	2e	altavista	2- 6	160	100	1	563	0.2	90,080	160	90,080
1A	2w	altavista	0- 2	160	100	1	5,591	1.8	894,560	160	894,560
						TOTAL	7,780	2.5	1,244,800		1,244,800

Weighted Average Yield = 160.00 Adjusted Weighted Average Yield = 160.00

Group Number 2
---

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
25B	2e	slagle fin	2- 6	130	81	1	39,057	12.4	5,077,410	130	5,077,410
13B	2e	eulonia fi	2- 6	130	81	1	4,808	1.5	625,040	130	625,040
11A	2e	dogue loam	0- 2	130	81	1	1,834	0.6	238,420	130	238,420
11B	2e	dogue loam	2- 6	130	81	1	319	0.1	41,470	130	41,470
25A	2w	slagle fin	0- 2	130	81	1	30,594	9.7	3,977,220	130	3,977,220
13A	2w	eulonia fi	0- 2	130	81	1	5,893	1.9	766,090	130	766,090
18B	2w	nansemond	0- 4	126	79	1	829	0.3	104,402	126	104,402
12B	2e	emporia-sl	2- 6	123	77	1	14,017	4.4	1,723,266	123	1,723,266
14B	2e	faceville	2- 6	120	75	1	948	0.3	113,760	120	113,760
12A	1	emporia-sl	0- 2	115	72	1	12,068	3.8	1,390,996	115	1,390,996
						TOTAL	110,367	35.0	14,058,074		14,058,074

Weighted Average Yield = 127.38 Adjusted Weighted Average Yield = 127.38

Group Number 3
---

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
8A	4w	chewacla l	0- 2	125	78	0	4,886	1.5	609,393	125	609,393
13C	3e	eulonia fi	6-10	106	67	0	2,298	0.7	244,609	106	244,609
						TOTAL	7,184	2.3	854,002		854,002

Weighted Average Yield = 118.88 Adjusted Weighted Average Yield = 118.88

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
12C	2e	emporia-sl	6-10	109	68	S	9,500	3.0	1,033,824	109	1,033,824
14C	4e	faceville	6-10	106	66	S	240	0.1	25,440	106	25,440
						TOTAL	9,740	3.1	1,059,264		1,059,264

Weighted Average Yield = 108.75 Adjusted Weighted Average Yield = 108.75

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
9B	2e	craven loa	2- 6	102	63	1	10,259	3.3	1,042,098	102	1,042,098
2B	2e	appling sa	2- 7	100	63	1	233	0.1	23,300	100	23,300
15B	2e	georgevill	2- 7	100	63	1	93	0.0	9,300	100	9,300
3A	4w	augusta sa	0- 2	100	63	2	4,833	1.5	483,300	100	483,300
9A	2w	craven loa	0- 2	93	58	1	1,636	0.5	152,052	93	152,052
						TOTAL	17,054	5.4	1,710,050		1,710,050

Weighted Average Yield = 100.27 Adjusted Weighted Average Yield = 100.27

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
30C	3s	uchee-slag	6-10	91	57	S	5,905	1.9	535,668	91	535,668
2C	4e	appling sa	7-15	88	55	S	414	0.1	36,432	88	36,432
15C	4e	georgevill	7-15	88	55	S	144	0.0	12,672	88	12,672
29B	2s	uchee loam	0- 6	85	53	S	11,550	3.7	981,750	85	981,750
23B	2s	rumford-uc	2- 6	85	53	S	2,156	0.7	183,260	85	183,260
21B	3w	ocilla loa	0- 6	85	53	S	13,239	4.2	1,125,315	85	1,125,315
32A	2w	warne fine	0- 2	65	41	S	4,310	1.4	280,150	65	280,150
						TOTAL	37,718	12.0	3,155,247		3,155,247

Weighted Average Yield = 83.65 Adjusted Weighted Average Yield = 83.65

Group Number 7

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
24A	3s	seabrook s	0- 2	85	53	0	4,401	1.4	374,085	85	374,085

15D	6e	georgevill	15-25	80	50	0	942	0.3	75,360	80	75,360
4A	6w	bibb and c	0- 2	76	47	0	7,415	2.3	560,028	76	560,028
27B	3s	tarboro lo	0- 6	65	41	0	3,650	1.2	237,250	65	237,250
6A	3s	buncombe l	0- 2	65	41	0	794	0.3	51,610	65	51,610
7A	7w	chastain l	0- 2	65	41	0	25,285	8.0	1,643,525	65	1,643,525
10C3	4e	craven cla	6-10	52	33	0	13,673	4.3	710,996	52	710,996
			TOTAL				56,160	17.8	3,652,854		3,652,854

Weighted Average Yield = 65.04 Adjusted Weighted Average Yield = 65.04

Group Number 8

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
5A	2s	bojac loam	0- 2	81	51	1	422	0.1	34,144	81	34,144
16B	2e	helena loa	2- 7	65	41	1	971	0.3	63,115	65	63,115
33A	4w	yemassee f	0- 2	65	41	2	19,029	6.0	1,236,885	65	1,236,885
17A	4w	myatt loam	0- 2	65	41	2	12,559	4.0	816,335	65	816,335
28A	4w	tomotley s	0- 2	65	41	2	7,368	2.3	478,920	65	478,920
16C	2e	helena loa	7-15	57	36	1	1,081	0.3	61,617	57	61,617
			TOTAL				41,430	13.1	2,691,016		2,691,016

Weighted Average Yield = 64.95 Adjusted Weighted Average Yield = 64.95

Group Number 9

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
19A	7w	nawney and	0- 1	15	9	0	1,361	0.4	20,275	15	20,275
20D	4e	nevarc and	10-15			0	3,725	1.2	0		0
20F	4e	nevarc and	15-50			0	371	0.1	0		0
22A	7w	roanoke lo	0- 2			0	18,426	5.8	0		0
			TOTAL				23,883	7.6	20,275		20,275

Weighted Average Yield = 0.85 Adjusted Weighted Average Yield = 0.85

UNGROUPED Data

map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
W	0	water	0- 0			0	2,397	0.8	0		0
31	0	udorthents	0-25			0	1,887	0.6	0		0

Worksheet 2

County/Parish : sussex, virginia (VA183)

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	1-2w	prime	100-100	2.5	2.5	7,780	7,780	100
2	1-2w	prime	72- 81	35.0	37.4	110,367	118,147	80
3	3e-4w	other	67- 78	2.3	39.7	7,184	125,331	74
4	2e-4e	state	66- 68	3.1	42.8	9,740	135,071	68
5	2e-4w	prime	58- 63	5.4	48.2	17,054	152,125	63
6	2w-4e	state	41- 57	12.0	60.2	37,718	189,843	52
7	2e-7w	other	33- 53	17.8	77.9	56,160	246,003	41
8	2e-4w	prime	36- 51	13.1	91.1	41,430	287,433	41
9	4e-7w	other	0- 9	7.6	98.6	23,883	311,316	1

FPPA acres: 224,089 (71.0% of county)
Farmable acres: 311,316 (98.6% of county)
Grouped acres: 311,316
Total acres: 315,600

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.