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.

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Survey Area : mathews county, virginia (VA115)
              21 mapunits

Indicator crop     : corn
Temperature Regime : thermic
C factor           : 0.00
System irrigated?  : no
Minimum Component  : 15%
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line no.	map symbl	soil name	slope	lc	nirr yield	prd ind	i f	acres number	pct
1	Be	bertie very fine sandy loam	0- 2	2w	130	93	1	115	0.2
2	Cb	coastal beach	0- 1	8w	0	0		399	0.6
3	Dr	dragston fine sandy loam	0- 2	2w	140	100	2	5,102	7.6
4	Ek	elkton silt loam	0- 2	3w	65	46	0	118	0.2
5	Fa	fallsington fine sandy loam	0- 2	3w	140	100	2	27,877	41.5
6	GP	gravel pit	0- 0	0	0	0		100	0.1
7	KeA	kempsville fine sandy loam	0- 2	1	120	86	1	1,387	2.1
8	KeB	kempsville fine sandy loam	2- 5	2e	120	86	1	230	0.3
9	KtA	kempsville loamy fine sand	0- 2	2s	120	86	S	2,792	4.2
10	KyA	keyport silt loam	0- 2	2w	130	93	S	85	0.1
11	KyD2	keyport silt loam	8-12	6e	104	74	S	116	0.2
12	Ma	mixed alluvial land	0- 1	6w	0	0		135	0.2
13	SaA	sassafras fine sandy loam	0- 2	1	110	79	1	188	0.3
14	SaB2	sassafras fine sandy loam	2- 5	2e	99	71	1	94	0.1
15	SdA	sassafras loamy fine sand	0- 2	2s	110	79	S	192	0.3
16	SsD	sloping sandy land	5-12	4e	0	0		347	0.5
17	StE	steep sandy land	12-25	6e	0	0		295	0.4
18	Th	tidal marsh	0- 1	8w	0	0		654	1.0
19	To	tidal marsh	0- 1	8w	0	0		2,510	3.7
20	W	water	0- 0	0	0	0		20,358	30.3
21	Wo	woodstown fine sandy loam	0- 2	2w	130	93	1	4,088	6.1
								67,182	

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

Survey Area : mathews county, virginia (VA115)

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
Be	2w bertie ver	0- 2	130	93	1	115	0.2	14,950	130	14,950
Dr	2w dragston f	0- 2	140	100	2	5,102	7.6	714,280	140	714,280
Fa	3w fallsingto	0- 2	140	100	2	27,877	41.5	3,902,780	140	3,902,780
Wo	2w woodstown	0- 2	130	93	1	4,088	6.1	531,440	130	531,440
				TOTAL		37,182	55.3	5,163,450		5,163,450

Weighted Average Yield = 138.87 Adjusted Weighted Average Yield = 138.87

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
KtA	2s kempsville	0- 2	120	86	S	2,792	4.2	335,040	120	335,040
KyA	2w keyport si	0- 2	130	93	S	85	0.1	11,050	130	11,050

KyD2	6e	keyport si	8-12	104	74	S	116	0.2	12,064	104	12,064
SdA	2s	sassafras	0- 2	110	79	S	192	0.3	21,120	110	21,120
						TOTAL	3,185	4.7	379,274		379,274

Weighted Average Yield = 119.08 Adjusted Weighted Average Yield = 119.08

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
KeA	1	kempsville	0- 2	120	86	1	1,387	2.1	166,440	120	166,440
KeB	2e	kempsville	2- 5	120	86	1	230	0.3	27,600	120	27,600
SaA	1	sassafras	0- 2	110	79	1	188	0.3	20,680	110	20,680
SaB2	2e	sassafras	2- 5	99	71	1	94	0.1	9,306	99	9,306
						TOTAL	1,899	2.8	224,026		224,026

Weighted Average Yield = 117.97 Adjusted Weighted Average Yield = 117.97

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
Ek	3w	elkton sil	0- 2	65	46	0	118	0.2	7,670	65	7,670
						TOTAL	118	0.2	7,670		7,670

Weighted Average Yield = 65.00 Adjusted Weighted Average Yield = 65.00

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
Cb	8w	coastal be	0- 1		0		399	0.6	0		0
Ma	6w	mixed allu	0- 1		0		135	0.2	0		0
SsD	4e	sloping sa	5-12		0		347	0.5	0		0
StE	6e	steep sand	12-25		0		295	0.4	0		0
Th	8w	tidal mars	0- 1		0		654	1.0	0		0
To	8w	tidal mars	0- 1		0		2,510	3.7	0		0
						TOTAL	4,340	6.5	0		0

Weighted Average Yield = 0.00 Adjusted Weighted Average Yield = 0.00

UNGROUPED Data
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map symbl	lc	soil name	slope	nir yld	prd ind	I F	acres number	pct	yield x acres	adj yld	adjust product
GP	0	gravel pit	0- 0		0		100	0.1	0		0
W	0	water	0- 0		0		20,358	30.3	0		0

Worksheet 2

Survey Area : mathews county, virginia (VA115)

group	lcc	important farmland	potential or productivity	%	cum'ltv %	acres	cum'ltv acres	relative value
1	2w-3w	prime	93-100	55.3	55.3	37,182	37,182	100
2	2w-6e	state	74- 93	4.7	60.1	3,185	40,367	86
3	1-2s	prime	71- 86	2.8	62.9	1,899	42,266	85
4	3w	other	46- 46	0.2	63.1	118	42,384	47
5	3w-8w	other	-	6.5	69.5	4,340	46,724	0

FPPA acres: 42,266 (62.9% of county)
Farmable acres: 42,384 (63.1% of county)
Grouped acres: 46,724
Total acres: 67,182

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.