Delaware Phosphorus Site Index

Producer's Name:	Joe Farmer

Farm Number:	1	Tract Number:	1418	Field Number(s):	1

Site Characteristics

Enter County:	Sussex

Enter Dominant Soil Type:	HvA- Hurlock Series drained (40% of map unit)

Permeability:	Moderately rapid	
Drainage:	Poorly drained	
Water Table Depth:	1.18	ft. (Average high depth)

Artificial Drainage:

☑ Is there artificial drainage?

Enter % Slope:	0.5

Enter Slope Length:	100

Enter Cropping System:	Corn, Corn, Wheat, Soybeans 2 years no-till corn, clean tillage wheat, no-till soybeans

Enter P Factor:	1	*(default = 1; see Tab "P" for Contour Farming or Stripcropping)*

Distance from Edge of Field to Surface Water:

- ○ Greater than 100 feet to surface water
- ○ Less than 100 feet to surface water AND greater than 50 feet permanent vegetative buffer **OR** Less than 100 feet to surface water AND greater than 25 feet permanent vegetative buffer AND greater than 25 feet additional 'No P application zone' beyond permanent vegetative buffer
- ○ Less than 100 feet to surface water AND greater than 25 feet permanent vegetative buffer AND less than 25 feet additional 'No P application zone' beyond permanent vegetative buffer
- ◉ Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND greater than 25 feet 'No P application zone'
- ○ Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND less than 25 feet 'No P application zone'

Fertilizer and Organic P Applications

Soil Test Lab:	University of Delaware	Enter Soil Test P Value :	610	FIV

Enter the Planned Fertilizer P Application Rate, *in lbs P2O5/acre, here:*	0

1st P Fertilizer Application:

Rate:	0	lb/acre	Method and Timing:	Incorporated more than 5 days after application

2nd P Fertilizer Application:

Rate:	0	lb/acre	Method and Timing:	None applied

3rd P Fertilizer Application:

Rate:	0	lb/acre	Method and Timing:	None applied

Organic P Source:	Broiler litter	Application Rate:	3	tons/acre

If a manure test was done, enter manure P here:	46.99

Total Planned Organic P Application Rate, *in lbs P2O5/acre :*	140.97

1st Organic P Application:

Rate:	140.97	lb/acre	Method and Timing:	Incorporated more than 5 days after application

2nd Organic P Application:

Rate:	0	lb/acre	Method and Timing:	None applied

3rd Organic P Application:

Rate:	0	lb/acre	Method and Timing:	None applied

Calculations

RUSLE Calculation: $A = R \times K \times LS \times C \times P$

R	K	LS	C	P
190	0.2	0.09	0.04	1

$A =$ 0.14 tons of soil loss per acre

R = the rainfall-runoff erosivity factor, *K* = the soil erodibility factor, *LS* = the slope length/steepness factor, *C* = the cropping system factor and *P* = the support practice factor

Part A: Loss Potential due to Site and Transport Characteristics: 0.33

1	2	3	4	5	6	7
0.2736	0	6	0	6	4	16.2736

This portion of the Phosphorus Site Index takes into account soil erosion (calculated using the RUSLE formula above), soil surface runoff class, subsurface drainage class and leaching potential, distance from edge of field to surface water, and the priority of receiving water for the site.

Part B: Loss Potential Due to Management Practices and P Source Characteristics: 217.749

This portion of the Phosphorus Site Index takes into account the soil test phosphorus, as well as fertilizer and organic P source application rates and methods.

P Site Index = *Part A x Part B* **:** **71** *or* **MEDIUM**

	Interpretation of the Delaware P Site Index
< 50	LOW potential for P movement from this site given current management practices and site characteristics. There is a low probability of an adverse impact to surface waters from P losses from this site. Nitrogen-based nutrient management planning is satisfactory for this site. Soil P levels and P loss potential may increase in the future due to the use of N-based nutrient management practices.
51-75	MEDIUM potential for P movement from this site given current management practices and site characteristics. Practices should be implemented to reduce P losses by surface runoff, subsurface flow, and erosion. Nitrogen-based nutrient management should be implemented no more than one year out of three. Phosphorus-based nutrient management should be implemented two years out of three during which time P applications should be limited to the amount expected to be removed from the field by crop harvest or soil test based P application recommendations, whichever is greater.
76-100	HIGH potential for P movement from this site given current management practices and site characteristics. Phosphorus-based nutrient management should be used for this site. Phosphorus applications should be limited to the amount expected to be removed from the field by crop harvest or soil test based P application recommendations. All practical management practices for reducing P losses by surface runoff, subsurface flow, or erosion should be implemented.
> 100	VERY HIGH potential for P movement from this site given current management practices and site characteristics. No phosphorus should be applied to this site. Active remediation techniques should be implemented in an effort to reduce the P loss potential from this site.

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
AbC- Acquango Series (50% of map unit)	0.02	Very rapid	Excessively drained	N/A	6.00	3	A
AbC- Beaches Series (45% of map unit)	0.02	Very rapid	Very poorly drained	N/A	0.43	3	D
AsA- Askecksy Series drained (30% of map unit)	0.10	Rapid	Poorly drained	N/A	1.18	1	B
AsA- Askecksy Series undrained (45% of map unit)	0.02	Rapid	Poorly drained	N/A	0.43	1	D
AuB- Acquango Series (45% of map unit)	0.02	Very rapid	Excessively drained	N/A	6.00	3	A
Ba- Appoquinimink Series (30% of map unit)	0.37	Moderately slow	Very poorly drained	N/A	0.00	1	D
Ba- Broadkill Series (55% of map unit)	0.02	Moderately slow	Very poorly drained	N/A	0.00	1	D
Ba- Broadkill Series (55% of map unit)	0.02	Moderately slow	Very poorly drained	N/A	0.00	1	D
BbB- Baile Series (55% of map unit)	0.37	Moderately slow	Poorly drained	N/A	0.43	1	D
BbB- Glenville Series (40% of map unit)	0.32	Slow	Moderately well drained	N/A	2.49	1	C
BhA- Berryland Series drained (50% of map unit)	0.10	Rapid	Very poorly drained	N/A	0.43	2	B
BhA- Berryland Series undrained (30% of map unit)	0.02	Rapid	Very poorly drained	N/A	0.16	2	D
BkD- Brinklow Series (70% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	2	B
BnF- Blocktown Series (45% of map unit)	0.32	Moderate	Well drained	N/A	6.00	2	B
BnF- Brinklow Series (55% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	2	B
Br- Broadkill Series (70% of map unit)	0.02	Moderately slow	Very poorly drained	N/A	0.00	1	D
Br- Broadkill Series (70% of map unit)	0.02	Moderately slow	Very poorly drained	N/A	0.00	1	D
BrvF- Brinklow Series (70% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	2	B
BuA- Brockatonorton Series (45% of map unit)	0.02	Rapid	Moderately well drained	N/A	2.49	1	D
CaA- Carmichael Series drained (40% of map unit)	0.37	Moderately slow	Poorly drained	N/A	1.18	1	C
CaA- Carmichael Series undrained (40% of map unit)	0.02	Moderately slow	Poorly drained	N/A	0.43	1	D
CdB- Cedartown Series (75% of map unit)	0.10	Rapid	Somewhat excessively drained	N/A	3.74	3	A
Ch- Codorus Series (80% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.26	1	C
CnB- Collington Series (85% of map unit)	0.32	Moderate	Well drained	N/A	6.00	2	B
CnD- Collington Series (70% of map unit)	0.32	Moderate	Well drained	N/A	6.00	2	B
CoA- Corsica Series drained (40% of map unit)	0.32	Moderate	Very poorly drained	N/A	0.43	1	C
CoA- Corsica Series undrained (40% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
CoA- Corsica Series undrained (40% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
Cp- Comus Series (85% of map unit)	0.37	Moderately rapid	Well drained	N/A	3.74	2	B
CsA- Crosiadore Series (75% of map unit)	0.49	Moderately slow	Somewhat poorly drained	N/A	1.18	1	C
DaB- Delanco Series (90% of map unit)	0.37	Moderately slow	Moderately well drained	N/A	2.49	1	C
DcB- Codorus Series (35% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.26	1	C
DcB- Delanco Series (40% of map unit)	0.37	Moderately slow	Moderately well drained	N/A	2.49	1	C
DcB- Hatboro Series (25% of map unit)	0.37	Moderately rapid	Poorly drained	N/A	0.26	1	D
DnA- Downer Series (80% of map unit)	0.15	Moderately rapid	Well drained	N/A	6.00	3	B
DnB- Downer Series (80% of map unit)	0.15	Moderately rapid	Well drained	N/A	6.00	3	B
DnC- Downer Series (80% of map unit)	0.15	Moderately rapid	Well drained	N/A	6.00	3	B
DoA- Downer Series (80% of map unit)	0.17	Moderately rapid	Well drained	N/A	6.00	2	B
DoB- Downer Series (80% of map unit)	0.17	Moderately rapid	Well drained	N/A	6.00	2	B
DoC- Downer Series (80% of map unit)	0.17	Moderately rapid	Well drained	N/A	6.00	2	B
DuB- Downer Series (60% of map unit)	0.15	Moderately rapid	Well drained	N/A	6.00	2	B

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
EmA- Elkton Series drained (35% of map unit)	0.43	Slow	Poorly drained	N/A	1.18	1	C
EmA- Elkton Series undrained (40% of map unit)	0.02	Slow	Poorly drained	N/A	0.43	1	D
EnB- Elsinboro Series (95% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
ErB- Delanco Series (30% of map unit)	0.37	Moderately slow	Moderately well drained	N/A	2.49	1	C
ErB- Elsinboro Series (45% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
ESA- Endoaquepts Series drained (45% of map unit)	0.43	Moderate	Poorly drained	N/A	1.18	1	D
ESA- Sulfaquepts Series drained (45% of map unit)	0.49	Moderate	Poorly drained	N/A	1.18	1	D
EvB- Evesboro Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	6.00	3	A
EvD- Evesboro Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	6.00	3	A
FaA- Fallsington Series drained (40% of map unit)	0.20	Moderate	Poorly drained	N/A	1.18	1	C
FaA- Fallsington Series undrained (40% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
FaA- Fallsington Series undrained (40% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
FgA- Fallsington Series drained (40% of map unit)	0.37	Moderate	Poorly drained	N/A	1.18	1	C
FgA- Fallsington Series undrained (40% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
FgA- Fallsington Series undrained (40% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
FhA- Fort Mott Series (45% of map unit)	0.15	Moderate	Well drained	N/A	6.00	3	A
FhA- Henlopen Series (35% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
FhB- Fort Mott Series (45% of map unit)	0.15	Moderate	Well drained	N/A	6.00	3	A
FhB- Henlopen Series (35% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
FmA- Fort Mott Series (80% of map unit)	0.15	Moderate	Well drained	N/A	6.00	3	A
FmB- Fort Mott Series (80% of map unit)	0.15	Moderate	Well drained	N/A	6.00	3	A
FzB- Fallsington Series drained (40% of map unit)	0.24	Moderate	Poorly drained	N/A	1.18	1	B
FzB- Fallsington Series drained (40% of map unit)	0.20	Moderate	Poorly drained	N/A	1.18	1	C
FzB- Fallsington Series undrained (25% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
FzB- Fallsington Series undrained (25% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
GaB- Galestown Series (80% of map unit)	0.10	Rapid	Somewhat excessively drained	N/A	6.00	3	A
GaC- Gaila Series (85% of map unit)	0.28	Moderate	Well drained	N/A	6.00	3	B
GaD- Gaila Series (90% of map unit)	0.28	Moderate	Well drained	N/A	6.00	3	B
GaD- Galestown Series (80% of map unit)	0.10	Rapid	Somewhat excessively drained	N/A	6.00	3	A
GaD(NC)- Gaila Series (90% of map unit)	0.28	Moderate	Well drained	N/A	6.00	3	B
GaE- Gaila Series (80% of map unit)	0.28	Moderate	Well drained	N/A	6.00	3	B
GeA- Glenelg Series (85% of map unit)	0.28	Moderate	Well drained	N/A	6.00	2	B
GeB- Glenelg Series (85% of map unit)	0.28	Moderate	Well drained	N/A	6.00	2	B
GeC- Glenelg Series (85% of map unit)	0.28	Moderate	Well drained	N/A	6.00	2	B
GgA- Glenelg Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GgB- Glenelg Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GgC- Glenelg Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GgD- Glenelg Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GhB- Glenelg Series (45% of map unit)	0.28	Moderate	Well drained	N/A	6.00	2	B
GhB- Wheaton Series (30% of map unit)	0.49	Moderate	Well drained	N/A	6.00	3	B
GhC- Glenelg Series (45% of map unit)	0.28	Moderate	Well drained	N/A	6.00	2	B

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
GhC- Wheaton Series (30% of map unit)	0.49	Moderate	Well drained	N/A	6.00	3	B
GnA- Glenville Series (85% of map unit)	0.32	Slow	Moderately well drained	N/A	2.49	1	C
GnB- Glenville Series (85% of map unit)	0.32	Slow	Moderately well drained	N/A	2.49	1	C
GnC- Glenville Series (85% of map unit)	0.32	Slow	Moderately well drained	N/A	2.49	1	C
GoA- Glassboro Series (80% of map unit)	0.28	Moderately rapid	Somewhat poorly drained	N/A	1.25	1	C
GrA- Greenwich Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GrB- Greenwich Series (85% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
GuB- Greenwich Series (60% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
HbA- Hambrook Series (80% of map unit)	0.24	Moderate	Well drained	N/A	3.74	3	B
HbB- Hambrook Series (80% of map unit)	0.24	Moderate	Well drained	N/A	3.74	3	B
HkB- Hambrook Series (45% of map unit)	0.24	Moderate	Well drained	N/A	3.74	3	B
HkB- Hambrook Series (55% of map unit)	0.24	Moderate	Well drained	N/A	3.74	3	B
HmA- Hammonton Series (80% of map unit)	0.15	Moderately rapid	Moderately well drained	N/A	2.49	2	B
HnA- Hammonton Series (80% of map unit)	0.20	Moderately rapid	Moderately well drained	N/A	2.49	2	B
HnB- Hammonton Series (80% of map unit)	0.20	Moderately rapid	Moderately well drained	N/A	2.49	2	B
HoA- Fallsington Series drained (10% of map unit)	0.24	Moderate	Poorly drained	N/A	1.18	1	B
HoA- Fallsington Series drained (10% of map unit)	0.20	Moderate	Poorly drained	N/A	1.18	1	C
HoA- Fallsington Series undrained (25% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
HoA- Fallsington Series undrained (25% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
HoA- Hammonton Series (40% of map unit)	0.20	Moderately rapid	Moderately well drained	N/A	2.49	2	B
HoA- Mullica Series drained (5% of map unit)	0.15	Moderately rapid	Very poorly drained	N/A	0.43	1	B
HoA- Mullica Series undrained (10% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
HoA- Mullica Series undrained (10% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
HpA- Henlopen Series (80% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
HpB- Henlopen Series (80% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
HrA- Henlopen Series (50% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
HrA- Rosedale Series (40% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
HrB- Henlopen Series (45% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
HrB- Rosedale Series (40% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
HsA- Henlopen Series (40% of map unit)	0.15	Rapid	Somewhat excessively drained	N/A	6.00	3	A
HsA- Rosedale Series (30% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
Ht- Hatboro Series (90% of map unit)	0.37	Moderately rapid	Poorly drained	N/A	0.26	1	D
HuA- Hurlock Series drained (40% of map unit)	0.15	Moderately rapid	Poorly drained	N/A	1.18	1	B
HuA- Hurlock Series undrained (40% of map unit)	0.02	Moderately rapid	Poorly drained	N/A	0.43	1	D
HvA- Hurlock Series drained (40% of map unit)	0.20	Moderately rapid	Poorly drained	N/A	1.18	1	B
HvA- Hurlock Series undrained (40% of map unit)	0.02	Moderately rapid	Poorly drained	N/A	0.43	1	D
Hw- Codorus Series (40% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.26	1	C
Hw- Hatboro Series (50% of map unit)	0.37	Moderately rapid	Poorly drained	N/A	0.26	1	D
IeA- Ingleside Series (75% of map unit)	0.15	Moderately rapid	Well drained	N/A	3.74	3	B
IeB- Ingleside Series (75% of map unit)	0.15	Moderately rapid	Well drained	N/A	3.74	3	B
IgA- Ingleside Series (75% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
IgB- Ingleside Series (75% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
IgC- Ingleside Series (75% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
ImB- Fallsington Series drained (15% of map unit)	0.24	Moderate	Poorly drained	N/A	1.18	1	B
ImB- Fallsington Series drained (15% of map unit)	0.20	Moderate	Poorly drained	N/A	1.18	1	C
ImB- Fallsington Series undrained (10% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
ImB- Fallsington Series undrained (10% of map unit)	0.02	Moderate	Poorly drained	N/A	0.43	1	D
ImB- Hammonton Series (30% of map unit)	0.20	Moderately rapid	Moderately well drained	N/A	2.49	2	B
ImB- Ingleside Series (35% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
IuB- Ingleside Series (50% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
KfA- Keyport Series (85% of map unit)	0.37	Very slow	Moderately well drained	N/A	2.49	1	C
KgB- Galloway Series (35% of map unit)	0.10	Rapid	Moderately well drained	N/A	2.49	2	B
KgB- Klej Series (45% of map unit)	0.10	Rapid	Somewhat poorly drained	N/A	1.18	2	C
KhC- Keyport Series (80% of map unit)	0.24	Very slow	Moderately well drained	N/A	2.49	1	C
KmE- Keyport Series (80% of map unit)	0.37	Very slow	Moderately well drained	N/A	2.49	1	C
KnA- Kentuck Series drained (20% of map unit)	0.32	Slow	Very poorly drained	N/A	0.43	1	C
KnA- Kentuck Series undrained (50% of map unit)	0.02	Slow	Very poorly drained	N/A	0.16	1	D
KpA- Keyport Series (80% of map unit)	0.43	Very slow	Moderately well drained	N/A	2.49	1	C
KpA- Keyport Series (80% of map unit)	0.49	Very slow	Moderately well drained	N/A	2.49	1	C
KpB- Keyport Series (80% of map unit)	0.49	Very slow	Moderately well drained	N/A	2.49	1	C
KsA- Klej Series (70% of map unit)	0.10	Rapid	Somewhat poorly drained	N/A	1.18	2	C
LeA- Leipsic Series (75% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
LeB- Leipsic Series (75% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
LfA- Leipsic Series (45% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
LfA- Lenni Series drained (35% of map unit)	0.28	Slow	Poorly drained	N/A	1.18	1	D
LfA- Lenni Series undrained (50% of map unit)	0.02	Slow	Poorly drained	N/A	0.43	1	D
LfA- Reybold Series (40% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
LfB- Leipsic Series (45% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
LfB- Reybold Series (40% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
LhA- Lenni Series drained (50% of map unit)	0.43	Slow	Poorly drained	N/A	1.18	1	D
LhA- Lenni Series undrained (30% of map unit)	0.02	Slow	Poorly drained	N/A	0.43	1	D
LhA- Lenni Series undrained (30% of map unit)	0.02	Slow	Poorly drained	N/A	0.43	1	D
Lk- Lenape Series (85% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
Lk- Lenape Series (85% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
Ln- Lenape Series (45% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
Ln- Lenape Series (45% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D
Ln- Nanticoke Series (40% of map unit)	0.37	Moderate	Very poorly drained	N/A	0.16	1	D
LO- Indiantown Series (40% of map unit)	0.37	Moderate	Very poorly drained	N/A	0.43	1	D
LO- Indiantown Series (40% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.43	1	D
LO- Longmarsh Series (40% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.43	1	D
LO- Longmarsh Series (40% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.43	1	D
Ma- Manahawkin Series (85% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.16	1	D

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
MaC- Manor Series (85% of map unit)	0.28	Rapid	Well drained	N/A	6.00	3	B
MaD- Manor Series (90% of map unit)	0.28	Rapid	Well drained	N/A	6.00	3	B
MaE- Manor Series (90% of map unit)	0.28	Rapid	Well drained	N/A	6.00	3	B
McA- Marshyhope Series (85% of map unit)	0.37	Moderate	Somewhat poorly drained	N/A	1.18	1	C
MdA- Marshyhope Series (85% of map unit)	0.17	Moderate	Somewhat poorly drained	N/A	1.18	1	C
MkA- Matapeake Series (80% of map unit)	0.49	Moderately slow	Well drained	N/A	6.00	2	B
MkB- Matapeake Series (80% of map unit)	0.49	Moderately slow	Well drained	N/A	6.00	2	B
MmA- Mullica Series drained (50% of map unit)	0.15	Moderately rapid	Very poorly drained	N/A	0.43	1	B
MmA- Mullica Series undrained (30% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
MmA- Mullica Series undrained (30% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	2	D
MtA- Mattapex Series (80% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
MtA- Mattapex Series (80% of map unit)	0.43	Moderately slow	Moderately well drained	N/A	2.49	1	C
MtB- Mattapex Series (80% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
MtB- Mattapex Series (80% of map unit)	0.43	Moderately slow	Moderately well drained	N/A	2.49	1	C
MtC- Mattapex Series (75% of map unit)	0.49	Moderately slow	Moderately well drained	N/A	2.49	1	C
MtC- Mattapex Series (75% of map unit)	0.43	Moderately slow	Moderately well drained	N/A	2.49	1	C
MuA- Berryland Series drained (25% of map unit)	0.10	Rapid	Very poorly drained	N/A	0.43	2	B
MuA- Berryland Series undrained (15% of map unit)	0.02	Rapid	Very poorly drained	N/A	0.16	2	D
MuA- Mullica Series drained (25% of map unit)	0.15	Moderately rapid	Very poorly drained	N/A	0.43	1	B
MuA- Mullica Series undrained (15% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
MuB- Mattapex Series (50% of map unit)	0.43	Moderately slow	Moderately well drained	N/A	2.49	1	C
MxB- Montalto Series (85% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	1	C
MxC- Montalto Series (90% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	1	C
MzA- Mount Lucas Series (90% of map unit)	0.37	Slow	Moderately well drained	N/A	1.74	1	C
MzB- Mount Lucas Series (90% of map unit)	0.37	Slow	Moderately well drained	N/A	1.74	1	C
MzuB- Mount Lucas Series (70% of map unit)	0.37	Slow	Moderately well drained	N/A	1.74	1	C
NM- Mannington Series (45% of map unit)	0.37	Moderate	Very poorly drained	N/A	0.16	1	D
NM- Nanticoke Series (45% of map unit)	0.37	Moderate	Very poorly drained	N/A	0.16	1	D
NsA- Nassawango Series (80% of map unit)	0.49	Moderately slow	Well drained	N/A	3.74	2	B
NsB- Nassawango Series (80% of map unit)	0.49	Moderately slow	Well drained	N/A	3.74	2	B
NtB- Neshaminy Series very deep over gabbro (85% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
NtC- Neshaminy Series very deep over gabbro (90% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
NvC- Montalto Series (45% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	1	C
NvC- Neshaminy Series very deep over gabbro (50%of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
NvD- Montalto Series (45% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	1	C
NvD- Neshaminy Series very deep over gabbro (55% of map unit)	0.32	Moderate	Well drained	N/A	6.00	2	B
NvE- Montalto Series (45% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	2	C
NvE- Neshaminy Series very deep over gabbro (55%of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
NxB- Neshaminy Series very deep over gabbro (55%of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
OtA- Othello Series drained (35% of map unit)	0.49	Moderately slow	Poorly drained	N/A	1.18	1	C
OtA- Othello Series undrained (40% of map unit)	0.02	Moderately slow	Poorly drained	N/A	0.43	1	D

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
Pa- Pawcatuck Series (80% of map unit)	0.02	Moderate	Very poorly drained	N/A	0.00	1	D
Pk- Puckum Series (85% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
PpA- Pepperbox Series (80% of map unit)	0.15	Moderate	Moderately well drained	N/A	2.49	1	C
PpB- Pepperbox Series (80% of map unit)	0.15	Moderate	Moderately well drained	N/A	2.49	1	C
PrA- Pepperbox Series (50% of map unit)	0.15	Moderate	Moderately well drained	N/A	2.49	1	C
PrA- Rockawalkin Series (30% of map unit)	0.15	Moderately rapid	Moderately well drained	N/A	2.49	3	B
PrB- Pepperbox Series (50% of map unit)	0.15	Moderate	Moderately well drained	N/A	2.49	1	C
PrB- Rockawalkin Series (30% of map unit)	0.15	Moderately rapid	Moderately well drained	N/A	2.49	3	B
PsA- Pepperbox Series (45% of map unit)	0.15	Moderate	Moderately well drained	N/A	2.49	1	C
PsA- Rosedale Series (45% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
PsB- Pepperbox Series (45% of map unit)	0.10	Moderate	Moderately well drained	N/A	2.49	1	C
PsB- Rosedale Series (45% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
Pu- Purnell Series (85% of map unit)	0.02	Rapid	Very poorly drained	N/A	0.00	1	D
PyA- Pineyneck Series (80% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.49	2	B
PyB- Pineyneck Series (80% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.49	2	B
RdA- Queponco Series (40% of map unit)	0.43	Moderate	Well drained	N/A	3.74	2	B
RdA- Queponco Series (40% of map unit)	0.37	Moderate	Well drained	N/A	3.74	2	B
RdA- Reybold Series (45% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
ReA- Reybold Series (75% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
ReB- Reybold Series (75% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
ReC- Reybold Series (75% of map unit)	0.43	Moderate	Well drained	N/A	6.00	2	B
RkA- Rockawalkin Series (75% of map unit)	0.15	Moderately rapid	Moderately well drained	N/A	2.49	3	B
RkB- Rockawalkin Series (75% of map unit)	0.15	Moderately rapid	Moderately well drained	N/A	2.49	3	B
RoA- Rosedale Series (75% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
RoB- Rosedale Series (75% of map unit)	0.10	Moderately rapid	Well drained	N/A	3.74	3	A
RsA- Runclint Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
RsB- Runclint Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
RuA- Runclint Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
RuB- Runclint Series (75% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
RwA- Cedartown Series (40% of map unit)	0.10	Rapid	Somewhat excessively drained	N/A	3.74	3	A
RwA- Runclint Series (45% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
RwB- Cedartown Series (40% of map unit)	0.10	Rapid	Somewhat excessively drained	N/A	3.74	3	A
RwB- Runclint Series (45% of map unit)	0.10	Rapid	Excessively drained	N/A	3.74	3	A
SaA- Sassafras Series (80% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SaB- Sassafras Series (80% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SaC- Sassafras Series (75% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SaD- Sassafras Series (75% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SaE- Sassafras Series (75% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SlA- Sassafras Series (80% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
SlB- Sassafras Series (80% of map unit)	0.37	Moderate	Well drained	N/A	6.00	2	B
Sp- Saltpond Series (85% of map unit)	0.02	Very rapid	Poorly drained	N/A	0.43	1	D

Delaware: Soil Name and Slope	K	Permeability	Drainage	High Water Table		NRCS Leaching Index	Hydrologic Group
				Range	Average		
SSD- Sassafras Series (75% of map unit)	0.24	Moderate	Well drained	N/A	6.00	3	B
SuA- Sunken Series (80% of map unit)	0.02	Slow	Very poorly drained	N/A	0.43	1	D
SuA- Sunken Series (80% of map unit)	0.02	Slow	Very poorly drained	N/A	0.43	1	D
TaB- Talleyville Series (80% of map unit)	0.49	Moderately slow	Well drained	N/A	6.00	2	B
TdB- Montalto Series (30% of map unit)	0.32	Moderately slow	Well drained	N/A	6.00	1	C
TdB- Talleyville Series (45% of map unit)	0.49	Moderately slow	Well drained	N/A	6.00	2	B
TeA- Tent Series drained (50% of map unit)	0.49	Moderately slow	Poorly drained	N/A	1.18	1	C
TeA- Tent Series drained (50% of map unit)	0.02	Moderately slow	Poorly drained	N/A	1.18	1	C
TeA- Tent Series undrained (35% of map unit)	0.02	Moderately slow	Poorly drained	N/A	0.43	1	D
TeA- Tent Series undrained (35% of map unit)	0.49	Moderately slow	Poorly drained	N/A	0.43	1	D
TP- Mispillion Series (40% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
TP- Mispillion Series (40% of map unit)	0.02	Moderately rapid	Very poorly drained	N/A	0.16	1	D
TP- Transquaking Series (40% of map unit)	0.02	Rapid	Very poorly drained	N/A	0.16	1	D
TP- Transquaking Series (40% of map unit)	0.02	Rapid	Very poorly drained	N/A	0.16	1	D
UaB- Udorthents Series schist and gneiss (95% of map unit)	0.43	Slow	Well drained	N/A	4.99	3	B
UbB- Udorthents Series (75% of map unit)	0.28	Moderately slow	Moderately well drained	N/A	2.49	3	B
UbB- Udorthents Series (75% of map unit)	0.37	Moderately slow	Moderately well drained	N/A	2.49	3	B
UdrB- Udorthents Series (90% of map unit)	0.43	Slow	Well drained	N/A	6.00	1	D
UfB- Udorthents Series (85% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	C
UlA- Unicorn Series (85% of map unit)	0.37	Moderate	Well drained	N/A	3.74	2	B
UlB- Unicorn Series (85% of map unit)	0.37	Moderate	Well drained	N/A	3.74	2	B
UsB- Udorthents Series (85% of map unit)	0.20	Moderately slow	Well drained	N/A	3.74	2	C
UwA- Udorthents Series (85% of map unit)	0.37	Moderately slow	Moderately well drained	N/A	2.49	3	B
UzC- Udorthents Series loamy (90% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
UzD- Udorthents Series loamy (90% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
UzF- Udorthents Series loamy (85% of map unit)	0.20	Moderately rapid	Well drained	N/A	3.74	3	B
VoB- Othello Series drained (30% of map unit)	0.49	Moderately slow	Poorly drained	N/A	1.18	1	C
VwB- Wheaton Series (40% of map unit)	0.49	Moderate	Well drained	N/A	6.00	3	B
WaA- Watchung Series (90% of map unit)	0.32	Slow	Poorly drained	N/A	0.43	1	D
WaB- Watchung Series (90% of map unit)	0.32	Slow	Poorly drained	N/A	0.43	1	D
WcB- Watchung Series (85% of map unit)	0.32	Slow	Poorly drained	N/A	0.43	1	D
WdA- Woodstown Series (80% of map unit)	0.24	Moderate	Moderately well drained	N/A	2.49	1	C
WdB- Woodstown Series (85% of map unit)	0.17	Moderate	Moderately well drained	N/A	2.49	1	C
WdB- Woodstown Series (85% of map unit)	0.24	Moderate	Moderately well drained	N/A	2.49	1	C
WhA- Whitemarsh Series drained (35% of map unit)	0.49	Slow	Poorly drained	N/A	1.18	1	C
WhA- Whitemarsh Series undrained (40% of map unit)	0.02	Slow	Poorly drained	N/A	0.43	1	D
WoA- Woodstown Series (80% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.49	1	C
WoB- Woodstown Series (80% of map unit)	0.37	Moderate	Moderately well drained	N/A	2.49	1	C
Za- Zekiah Series (75% of map unit)	0.37	Moderate	Poorly drained	N/A	0.43	1	D

Kent/Sussex Soils

New Castle Soils

Part A Tables

Slope	Soil Permeability Class						
	Very Rapid	Moderately	Rapid	Moderate	Moderately Slow	Slow	Very Slow
Concave	0	0	0	0	0	0	0
0.2	0	0	0	0	0	2	4
0.5	0	0	0	0	0	2	4
1	0	0	0	2	2	4	6
2	0	0	0	2	2	4	6
3	0	0	0	2	2	4	6
4	0	0	0	2	2	4	6
5	0	0	0	2	2	4	6
6	0	2	2	4	4	6	8
8	0	2	2	4	4	6	8
10	0	2	2	4	4	6	8
12	0	2	2	4	4	6	8
14	0	2	2	4	4	6	8
16	0	2	2	4	4	6	8
20	0	2	2	4	4	6	8
25	2	4	4	6	6	8	8

Depth to Seasonal High Water Table (feet)	Soil Drainage Class						
	Very Poorly Drained	Poorly Drained	Somewhat poorly drained	Moderately well drained	Well Drained	Somewhat excessively drained	Excessively drained
0.00	8	8	8	8	8		
1.01	4	4	4	4	6	6	
4.01		2	2	2	4	4	4
6.00			0	2	2	2	2
Artificial drainage (any depth)	6	6	6	6	6	6	6

Part A Tables

Depth to seasonal high water table (feet)	Delaware NRCS Leaching Value			
	0	1	2	3
0.00	0	2	4	4
1.01	0	0	2	4
6.00	0	0	0	2

Information on distance from edge of field to water, buffer width, and width of a 'No P application zone'	
Greater than 100 feet to surface water OR	0
Less than 100 feet to surface water AND greater than 50 feet	2
Less than 100 feet to surface water AND greater than 25 feet permanent vegetative buffer AND less than 25 feet additional 'No P application zone' beyond permanent vegetative buffer	4
Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND greater than 25 feet 'No P application zone'	6
Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND less than 25 feet 'No P application zone'	8

Part B Tables

Organic P Source	Typical P_2O_5 Content	Units	Typical Dry Matter (%)	
Broiler litter	44	lb/ton	75	tons/acre
Layer litter	55	lb/ton	40	1000 gal/acre
Beef manure	7	lb/ton	12	
Dairy manure-solid	4	lb/ton	13	
Dairy manure-liquid	13	lbs/1000 gal	<5	
Swine manure-liquid storage (sows)	10	lbs/1000 gal	9	
Swine manure-liquid storage (grower pigs)	23	lbs/1000 gal	10	
Swine manure-lagoon liquid	0.6	lbs/1000 gal	0.25	
Biosolids (sewage sludge)	18	lb/ton	20	

	P Application Method and Timing	Value
1	None applied	0
2	Injected/banded below surface at least 2"	15
3	Incorporated within 5 days of application	30
4	Incorporated more than 5 days after application	45
	Surface applied March through November	45
5	Surface applied December through February	60

R Factors	
County	**R**
Kent	185
New Castle	180
Sussex	190

Length and Slope (LS) factors for use in RUSLE calculations for Delaware.

Horizontal Slope Length (ft)		25	50	75	100	150	200	250	300	400	600
Slope %		**---------- LS Factor for RUSLE ----------**									
0.2		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
0.5		0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.1	0.1
1		0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19
2		0.19	0.22	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.41
3		0.25	0.32	0.36	0.39	0.44	0.48	0.52	0.55	0.6	0.68
4		0.31	0.4	0.47	0.52	0.6	0.67	0.72	0.77	0.86	0.99
5		0.37	0.49	0.58	0.65	0.76	0.85	0.93	1.01	1.13	1.33
6		0.43	0.58	0.69	0.78	0.93	1.05	1.16	1.2	1.42	1.69
8		0.53	0.74	0.91	1.04	1.26	1.45	1.62	1.77	2.03	2.47
10		0.67	0.97	1.19	1.38	1.71	1.98	2.22	2.44	2.84	3.5
12		0.84	1.23	1.53	1.79	2.23	2.61	2.95	3.26	3.81	4.75
14		1	1.48	1.86	2.19	2.76	3.25	3.69	4.09	4.82	6.07
16		1.15	1.73	2.2	2.6	3.3	3.9	4.45	4.95	5.86	7.43
20		1.45	2.22	2.85	3.4	4.36	5.21	5.97	6.68	7.97	10.23
25		1.81	2.82	3.65	4.39	5.69	6.83	7.88	8.86	10.65	13.8

C Factors: **Please select the cropping system for your field from the table below.**

Cropping System	C
Continuous Corn no-till	0.01
Continuous Corn cons. tillage	0.08
Continuous Corn clean tillage	0.18
Continuous Soybeans no-till - narrow row	0.14
Continuous Soybeans no-till - wide row	0.11
Continuous Soybeans cons. tillage - narrow row	0.24
Continuous Soybeans cons. tillage - wide row	0.26
Continuous Soybeans clean tillage - narrow row	0.27
Continuous Soybeans clean tillage - wide row	0.28
Corn, Full Season Soybeans no-till corn, no-till soybeans	0.04
Corn, Full Season Soybeans no-till corn, cons. tillage soybeans	0.13
Corn, Full Season Soybeans no-till corn, clean tillage soybeans	0.18
Corn, Full Season Soybeans cons. tillage corn, no-till soybeans	0.10
Corn, Full Season Soybeans cons. tillage corn, cons. tillage soybeans	0.14
Corn, Full Season Soybeans cons. tillage corn, clean tillage soybeans	0.20
Corn, Full Season Soybeans clean tillage corn, no-till soybeans	0.14
Corn, Full Season Soybeans clean tillage corn, cons. tillage soybeans	0.17
Corn, Full Season Soybeans clean tillage corn, conventional soybeans	0.22
Corn, Wheat, Double Cropped Soybeans no-till corn, clean tillage wheat, no-till soybeans	0.06
Corn, Wheat, Double Cropped Soybeans no-till corn, cons. tillage wheat, no-till soybeans	0.03
Corn, Wheat, Double Cropped Soybeans cons. till. corn, clean till. wheat, no-till soybeans	0.11
Corn, Wheat, Double Cropped Soybeans cons. till. corn, cons. till. wheat, no-till soybeans	0.08
Corn, Wheat, Double Cropped Soybeans clean till. corn, clean till. wheat, no-till soybeans	0.12
Corn, Wheat, Double Cropped Soybeans clean till. corn, cons. till. wheat, no-till soybeans	0.10
Corn, Corn, Wheat, Soybeans 2 years no-till corn, clean tillage wheat, no-till soybeans	0.04
Corn, Corn, Wheat, Soybeans 2 years no-till corn, cons. tillage wheat, no-till soybeans	0.03
Corn, Corn, Wheat, Soybeans 2 years cons. till. corn, clean till. wheat, no-till soybeans	0.08
Corn, Corn, Wheat, Soybeans 2 years cons. till. corn, cons. till. wheat, no-till soybeans	0.06
Corn, Corn, Wheat, Soybeans 2 years clean till. corn, clean till. wheat, no-till soybeans	0.14
Corn, Corn, Wheat, Soybeans 2 years clean till. corn, cons. till. wheat, no-till soybeans	0.13
Cabbage clean tillage	0.33

C Factors: **Please select the cropping system for your field from the table below.**	
Hay	0.01
Alfalfa	0.01
Pasture	0.01
Sweet corn clean tillage	0.22
Sweet corn, winter small grain cover clean tillage	0.19
Tomatoes clean tillage	0.45
Tomatoes, winter small grain cover clean tillage	0.34
Cucumbers clean tillage	0.55
Cucumbers, winter small grain cover clean tillage	0.38
Peppers clean tillage	0.52
Peppers, winter small grain cover clean tillage	0.36
Snap beans clean tillage	0.43
Snap beans, winter small grain cover clean tillage	0.30

Support Practice (P) factors for use in RUSLE calculations for Delaware.

Support Practice: Contour Farming with Very Low Ridge Height					
Furrow Gradient (%)	Hydrologic Soil Group	Field Slope			
		3%	5%	7%	10%
0.5	A	0.60	0.53	0.51	0.53
1.0	A	0.72	0.67	0.59	0.59
2.0	A	0.88	0.75	0.69	0.67
0.5	B	0.79	0.75	0.46	0.83
1.0	B	0.85	0.80	0.80	0.85
2.0	B	0.94	0.97	0.85	0.88
0.5	C	0.90	0.89	0.90	0.96
1.0	C	0.93	0.91	0.91	0.97
2.0	C	0.97	0.94	0.94	0.97

Support Practice: Contour Farming with Low Ridge Height					
Furrow Gradient (%)	Hydrologic Soil Group	Field Slope			
		3%	5%	7%	10%
1.0	A	0.72	0.67	0.59	0.51
2.0	A	0.88	0.75	0.69	0.60
0.5	B	0.79	0.75	0.63	0.67
1.0	B	0.85	0.80	0.80	0.71
2.0	B	0.94	0.97	0.85	0.76
0.5	C	0.90	0.89	0.74	0.80
1.0	C	0.93	0.91	0.78	0.82
2.0	C	0.97	0.94	0.84	0.87

Figures based on moderate ground cover, 100 foot slope length.

Support Practice (P) factors for use in RUSLE calculations for Delaware.

Support Practice: Contour Stripcropping with Very Low Ridge Height					
Furrow Gradient (%)	Hydrologic Soil Group	Field Slope			
		3%	5%	7%	10%
1.0	A	0.68	0.64	0.56	0.56
2.0	A	0.83	0.71	0.66	0.63
0.5	B	0.75	0.71	0.44	0.79
1.0	B	0.81	0.76	0.76	0.81
2.0	B	0.89	0.92	0.80	0.84
0.5	C	0.86	0.84	0.85	0.92
1.0	C	0.88	0.86	0.87	0.92
2.0	C	0.92	0.89	0.89	0.93

Support Practice: Contour Stripcropping with Low Ridge Height					
Furrow Gradient (%)	Hydrologic Soil Group	Field Slope			
		3%	5%	7%	10%
1.0	A	0.681	0.589	0.56	0.48
2.0	A	0.833	0.709	0.66	0.57
0.5	B	0.749	0.713	0.60	0.63
2.0	B	0.874	0.822	0.80	0.72
0.5	C	0.857	0.841	0.71	0.76
1.0	C	0.884	0.862	0.74	0.78
2.0	C	0.922	0.891	0.80	0.82

Figures based on moderate ground cover, 300 foot slope length, and 100 food wide strips. Factor for strips is 0.95 of that for contours.

Distance	
Information on distance from edge of field to water, buffer width, and width of a 'No P application zone'	Value
Greater than 100 feet to surface water	0
Less than 100 feet to surface water AND greater than 50 feet permanent vegetative buffer OR Less than 100 feet to surface water AND greater than 25 feet permanent vegetative buffer AND greater than 25 feet additional 'No P application zone' beyond permanent vegetative buffer	2
Less than 100 feet to surface water AND greater than 25 feet permanent vegetative buffer AND less than 25 feet additional 'No P application zone' beyond permanent vegetative buffer	4
Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND greater than 25 feet 'No P application zone'	6
Less than 100 feet to suface water AND less than 25 feet permanent vegetative buffer AND less than 25 feet 'No P application zone'	8

Soil Lab Information			
Lab	**Units**	**Conversion Factor**	**Contact Information**
A&L	ppm	1	Contact Paul Chu ((804) 743-9401, paulchu2@al-labs-eastern.com
Agri-Analysis	ppm	1	Contact Tim Hoerner: (717) 656-9326; timhoerner@comcast.net
Brookside (lb P2O5/a)	lb P2O5/acre	0.215	
Brookside (ppm)	ppm	1	Contact Mark Flock: (419) 753-2448; mflock@blinc.com
Penn State	ppm	1	
Rutgers	lb P/acre	0.5	Contact Stephanie Murphy: (732) 932-9295, smurphy@aesop.rutgers.edu
Spectrum (lb P/acre)	lb P/acre	0.5	
Spectrum (ppm)	ppm	1	Contact Scott Anderson ((740) 335-1562, scott@spectrumanalytic.com)
University of Delaware	FIV	1	
Virginia Tech	lb P/acre	1	Contact Steve Heckendorn ((540) 231-9807; shckndrn@vt.edu)

FIV
lb/a
ppm

Index Information

Soil Permeability	Soil Drainage	
Very Rapid	Very Poorly Drained	1
Moderately Rapid	Poorly Drained	2
Rapid	Somewhat poorly drained	3
Moderate	Moderately well drained	4
Moderately Slow	Well drained	5
Slow	Somewhat excessively drained	6
Very Slow	Excessively drained	7

Depth to Seasonally High Water Table	
0.00	1
0.25	2
0.50	3
0.75	4
1.50	5
1.75	6
2.00	7
2.25	8
2.50	9
2.75	10
3.00	11
5.00	12
6.00	13