

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
5: Ackmore-----	40	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
Colo-----	40	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
7: Wiota-----	90	Not limited		Somewhat limited Flooding	0.40	Not limited	
8B: Judson-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
8C: Judson-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
11B: Colo-----	50	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
Ely-----	30	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
						Too steep for surface application	0.08

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
20C: Killduff-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92  0.02
20C2: Killduff-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92  0.02
20D2: Killduff-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00  0.78
24D2: Shelby-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00  0.78
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24E: Shelby-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00  1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
24E2: Shelby-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24F: Shelby-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
41C: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.39	Too steep for surface application	0.92
		Droughty	0.39			Droughty Too steep for sprinkler application	0.39 0.02
41D: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.39	Too steep for sprinkler application	0.98
		Droughty	0.39			Droughty	0.39

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
43: Bremer-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Restricted permeability	0.30	Flooding	0.40	Restricted permeability	0.22
				Restricted permeability	0.22		
51: Vesser-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
54: Zook-----	95	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
65D: Lindley-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	0.78
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
				Restricted permeability	0.22		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65E: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
65E3: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
65F: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
65F3: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65G: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
75: Givin-----	95	Very limited Depth to	1.00	Very limited Depth to	1.00	Restricted permeability	0.22
		saturated zone (NOV-JUL) Restricted permeability	0.30	saturated zone (NOV-JUL) Restricted permeability	0.22	saturated zone (NOV-JUL) Restricted permeability	0.22
76B: Ladoga-----	90	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability	0.22
						Too steep for surface application	0.08
76C: Ladoga-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.92
						Restricted permeability	0.22
						Too steep for sprinkler application	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
76C2: Ladoga-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application Restricted permeability Too steep for sprinkler application	0.92 0.22 0.02
76D: Ladoga-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	0.78 0.22
76D2: Ladoga-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	0.78 0.22
80C: Clinton-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.92
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
80C2: Clinton-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.92
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02
80D: Clinton-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
80D2: Clinton-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
80E2: Clinton-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07

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88: Nevin-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 0.40	Very limited Depth to saturated zone (NOV-JUL)	1.00
93D2: Shelby-----	60	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
Adair-----	30	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability Too steep for sprinkler application	1.00 0.78
93E2: Shelby-----	70	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Adair-----	30	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
						Depth to saturated zone (NOV-JUL)	1.00
118: Garwin-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.70				
119: Muscatine-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.02	Too acid	0.07	Too acid	0.07
120: Tama-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too acid	0.07
120B: Tama-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.08
						Too acid	0.07
120C: Tama-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.92
						Too acid	0.07
						Too steep for sprinkler application	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
120C2: Tama-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02
120D2: Tama-----	90	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.78 0.07
122: Sperry-----	100	Very limited Restricted permeability  Depth to saturated zone (NOV-JUL) Ponding Leaching limitation	1.00  1.00 1.00 0.50	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability Ponding	1.00  1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability Ponding	1.00  1.00 1.00
133: Colo-----	85	Very limited Depth to saturated zone (NOV-JUL) Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 0.60
133+: Colo-----	95	Very limited Depth to saturated zone (NOV-JUL) Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
162B: Downs-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
162C2: Downs-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02
162D: Downs-----	85	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  0.78 0.07
162D2: Downs-----	100	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  0.78 0.07
163C: Fayette-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163C2: Fayette-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02
163D2: Fayette-----	95	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  0.78 0.07
163E2: Fayette-----	95	Very limited Slope  Too acid	1.00  0.02	Very limited Slope  Too acid	1.00  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  1.00 0.07
179D: Gara-----	95	Somewhat limited Slope  Restricted permeability	0.63  0.30	Somewhat limited Slope  Restricted permeability	0.63  0.22	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00  0.78 0.22
179D2: Gara-----	95	Somewhat limited Slope  Restricted permeability	0.63  0.30	Somewhat limited Slope  Restricted permeability	0.63  0.22	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00  0.78 0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
179E: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	1.00 0.22
179E2: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	1.00 0.22
179F: Gara-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application Restricted permeability	1.00 0.22
192D2: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability Too steep for sprinkler application	1.00 0.78

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
220: Nodaway-----	85	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
222C: Clarinda-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface application	0.92
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
222C2: Clarinda-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Restricted permeability	0.89	Restricted permeability	0.78	Too steep for surface application	0.92
		Runoff limitation	0.40	Too acid	0.07	Restricted permeability	0.78
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
222D2: Clarinda-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Restricted permeability	0.89	Restricted permeability	0.78	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Too steep for sprinkler application	0.78
		Runoff limitation	0.40	Too acid	0.07	Restricted permeability	0.78
		Too acid	0.02			Too acid	0.07

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
273B: Olmitz-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
273C: Olmitz-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
279: Taintor-----	95	Very limited Depth to saturated zone (NOV-JUL) Leaching limitation Restricted permeability	1.00 0.50 0.30	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability	1.00 0.22	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability	1.00 0.22
280: Mahaska-----	90	Very limited Depth to saturated zone (NOV-JUL) Too acid	1.00 0.02	Very limited Depth to saturated zone (NOV-JUL) Too acid	1.00 0.07	Very limited Depth to saturated zone (NOV-JUL) Too acid	1.00 0.07
281B: Otley-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
281C: Otley-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02

Agricultural Waste Management

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
281C2: Otley-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02
281D2: Otley-----	100	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  0.78 0.07
291: Atterberry-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
293D2: Chelsea-----	65	Very limited Filtering capacity  Slope  Leaching limitation  Droughty Too acid	1.00  0.63  0.45  0.08 0.02	Very limited Filtering capacity  Slope  Droughty  Too acid	1.00  0.63  0.08  0.07	Very limited Too steep for surface application Filtering capacity Too steep for sprinkler application Droughty Too acid	1.00  1.00 0.78 0.08 0.07
Ladoga-----	30	Somewhat limited Slope  Restricted permeability  Too acid	0.63  0.30  0.02	Somewhat limited Slope  Restricted permeability  Too acid	0.63  0.22  0.07	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability Too acid	1.00  0.78 0.22 0.07

Agricultural Waste Management

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
293E2: Chelsea-----	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45	Droughty	0.08	Filtering capacity	1.00
		Droughty	0.08	Too acid	0.07	Droughty	0.08
		Too acid	0.02			Too acid	0.07
Ladoga-----	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
293F: Chelsea-----	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Leaching limitation	0.45	Droughty	0.08	Filtering capacity	1.00
		Droughty	0.08	Too acid	0.07	Droughty	0.08
		Too acid	0.02			Too acid	0.07
Ladoga-----	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for	1.00
		Too acid	0.02	Too acid	0.07	surface application Restricted permeability Too acid	0.22 0.07

Agricultural Waste Management

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
377C2: Dinsdale-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.07 0.02
377D2: Dinsdale-----	90	Somewhat limited Slope  Too acid	0.63  0.02	Somewhat limited Slope  Too acid	0.63  0.07	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00  0.78 0.07
422: Amana-----	85	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00  0.60	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00  1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00  0.60
424D2: Lindley-----	60	Somewhat limited Slope  Restricted permeability  Too acid	0.63  0.30  0.08	Somewhat limited Slope  Too acid  Restricted permeability	0.63  0.31  0.22	Very limited Too steep for surface application Too steep for sprinkler application Too acid  Restricted permeability	1.00  0.78  0.31  0.22
Keswick-----	30	Very limited Restricted permeability  Depth to saturated zone (NOV-JUL) Slope  Too acid	1.00  1.00  0.63  0.08	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability  Slope  Too acid	1.00  1.00  0.63  0.31	Very limited Depth to saturated zone (NOV-JUL) Too steep for surface application Restricted permeability Too steep for sprinkler application Too acid	1.00  1.00  1.00  0.78  0.31

Agricultural Waste Management

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
425D2: Keswick-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
428B: Ely-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
						Too steep for surface application	0.08
430:							
Ackmore-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
442E2: Downs-----	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
Chelsea-----	30	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Leaching limitation	0.45	Droughty	0.08	Too steep for sprinkler application	0.98
		Droughty	0.08			Droughty	0.08

Agricultural Waste Management

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
451D2: Caleb-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
453: Tuskeego-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.50	Flooding	0.40	Too acid	0.07
		Too acid	0.02	Too acid	0.07		
462B: Downs-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.08
						Too acid	0.07
462C2: Downs-----	85	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.92
						Too acid	0.07
						Too steep for sprinkler application	0.02
484: Lawson-----	85	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
488C2: Downs Variant-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.92
						Too acid	0.07
						Too steep for sprinkler application	0.02

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Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
488D2: Downs Variant-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	0.78 0.07
570C2: Nira-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
570D2: Nira-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.78
571C2: Hedrick-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
571D2: Hedrick-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.78

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
592D2: Mystic-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
683D2: Liscomb-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.78
687: Watkins-----	90	Not limited		Somewhat limited Flooding	0.40	Not limited	
688: Koszta-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.02	Flooding	0.40	Too acid	0.07
				Too acid	0.07		
792D2: Armstrong-----	95	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
						Too steep for sprinkler application	0.78

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
822D2: Lamoni-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.01	Too acid	0.01	Too steep for sprinkler application	0.78
						Too acid	0.01
822E2: Lamoni-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Too acid	0.01	Too acid	0.01	Restricted permeability	1.00
						Too acid	0.01
876B: Ladoga-----	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
						Too steep for surface application	0.08
876C2: Ladoga-----	95	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	0.92
						Restricted permeability	0.22
						Too steep for sprinkler application	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
881B: Otley-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
881C2: Otley-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
993D2: Gara-----	55	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00 0.78 0.22
Armstrong-----	35	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability Too steep for sprinkler application Too acid	1.00 0.78 0.07

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
993E2: Gara-----	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	1.00 0.22
Armstrong-----	30	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application Restricted permeability	1.00 1.00
1220: Nodaway-----	50	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Ackmore-----	35	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
5030: Quarry-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	