

Agricultural Waste Management

Adams 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
AaC: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
AaD2: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
						Too steep for sprinkler application	0.77
AcC2: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
AcD: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00

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AcD2: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Too steep for sprinkler application	0.77
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
						Depth to saturated zone	1.00
						Too steep for sprinkler application	0.77
AcE2: Adair-----	100	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	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
						Depth to saturated zone	1.00
AdD3: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
						Too steep for sprinkler application	0.77
AmC3: Adair-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00

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AmD3: Adair-----	100	Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
ApC2: Adair-----	50	Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
						Too steep for sprinkler application	0.77
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
Shelby-----	30	Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
		Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.91
ApD: Adair-----	50	Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
						Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	

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Shelby-----	30	Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
						Too steep for sprinkler application	0.77
ApD2: Adair-----	50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
						Restricted permeability	0.22
Shelby-----	30	Restricted permeability	1.00	Restricted permeability	1.00	Too acid	0.07
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Very limited	
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Restricted permeability	1.00
ApD3: Adair-----	50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Depth to saturated zone	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
						Restricted permeability	0.22
				Too acid	0.07		
				Very limited			

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Shelby-----	30	Restricted permeability	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
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	1.00
						Depth to saturated zone	1.00
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
Av: Alluvial Land-----	90	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	0.22
						Too acid	0.07
AwD: Arbor-----	100	Not rated		Not rated		Not rated	
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
Br: Bremer-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
						Restricted permeability	0.22
		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	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
Ca: Chariton-----	100	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 1.00 0.02	Very limited Depth to saturated zone Restricted permeability Too acid	1.00 1.00 0.07	Very limited Depth to saturated zone Restricted permeability Too acid	1.00 1.00 0.07
CcC: Clarinda-----	100	Very limited Restricted permeability Depth to saturated zone Runoff limitation Too acid	1.00 1.00 0.40 0.02	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 1.00 0.07	Very limited Restricted permeability Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application	1.00 1.00 0.91 0.07 0.02
CcC2: Clarinda-----	100	Very limited Restricted permeability Depth to saturated zone Runoff limitation Too acid	1.00 1.00 0.40 0.02	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 1.00 0.07	Very limited Restricted permeability Depth to saturated zone Too steep for surface application Too acid Too steep for sprinkler application	1.00 1.00 0.91 0.07 0.02
CcD: Clarinda-----	100	Very limited Restricted permeability Depth to saturated zone Slope Runoff limitation	1.00 1.00 0.63 0.40	Very limited Restricted permeability Depth to saturated zone Slope Too acid	1.00 1.00 0.63 0.07	Very limited Restricted permeability Too steep for surface application Depth to saturated zone Too steep for sprinkler application	1.00 1.00 1.00 1.00 0.77

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CcD2: Clarinda-----	100	Too acid	0.02			Too acid	0.07
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for sprinkler application	0.77
		Too acid	0.02			Too acid	0.07
CdC3: Clarinda-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface application	0.91
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
CdD3: Clarinda-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for sprinkler application	0.77
		Too acid	0.02			Too acid	0.07
CfC: Clearfield-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
CfC2: Clearfield-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
ClC2: Clinton-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.91
		Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
						Too steep for sprinkler application	0.02
ClD2: Clinton-----	100	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	0.77
		Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
Cm: Colo-----	100	Very limited		Very limited		Very limited	

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Cn: Colo-----	90	Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
Co: Colo-----	100	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Leaching limitation	0.70				
CxB: Colo-----	50	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Leaching limitation	0.70				
Gravity-----	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
						Too steep for surface application	0.08
GaC2: Gara-----	100	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	0.91
						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
GaD: Gara-----	100	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	0.77
						Restricted permeability	0.22
GaD2: Gara-----	100	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	0.77
						Restricted permeability	0.22
GaE: Gara-----	100	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
						Restricted permeability	0.22
GaE2: Gara-----	100	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
						Restricted permeability	0.22
GaF: Gara-----	100	Very limited		Very limited		Very limited	

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GaG: Gara-----	100	Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
GbE3: Gara-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
GpD: Gospport-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
Gp: Gravel Pit-----	100	Not rated		Not rated		Not rated	
GpD: Gospport-----	100	Somewhat limited Depth to saturated zone	0.95	Somewhat limited Depth to saturated zone	0.95	Very limited Too steep for surface application	1.00
		Droughty	0.54	Droughty	0.54	Depth to saturated zone	0.95
		Depth to bedrock	0.46	Depth to bedrock	0.46	Droughty	0.54
		Restricted permeability	0.30	Restricted permeability	0.22	Depth to bedrock	0.46

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GpF: Gosport-----	100	Slope	0.16	Slope	0.16	Too steep for sprinkler application	0.39
		Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Too steep for sprinkler application	1.00
		Droughty	0.54	Droughty	0.54	Depth to saturated zone	0.95
		Depth to bedrock Restricted permeability	0.46 0.30	Depth to bedrock Restricted permeability	0.46 0.22	Droughty Depth to bedrock	0.54 0.46
GpG: Gosport-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
		Depth to saturated zone	0.95	Depth to saturated zone	0.95	Too steep for sprinkler application	1.00
		Droughty	0.54	Droughty	0.54	Depth to saturated zone	0.95
		Depth to bedrock Restricted permeability	0.46 0.30	Depth to bedrock Restricted permeability	0.46 0.22	Droughty Depth to bedrock	0.54 0.46
		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
GrB: Gravity-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
						Too steep for surface application	0.08
Gu: Gullied Land-----	100	Not rated		Not rated		Not rated	

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HaC2: Hagener-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.72	Droughty	0.72	Too steep for surface application	0.91
		Leaching limitation	0.45			Droughty	0.72
						Too steep for sprinkler application	0.02
HaD2: Hagener-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Droughty	0.72	Droughty	0.72	Filtering capacity	1.00
		Slope	0.63	Slope	0.63	Too steep for sprinkler application	0.77
		Leaching limitation	0.45			Droughty	0.72
JuA: Judson-----	100	Not limited		Not limited		Not limited	
JuB: Judson-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
JuC: Judson-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
Kb: Kennebec-----	98	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60

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LaB: Ladoga-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability Too steep for surface application	0.22 0.08
LaB2: Ladoga-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability Too steep for surface application	0.22 0.08
LaC: Ladoga-----	100	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	0.91 0.22 0.02
LaC2: Ladoga-----	100	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	0.91 0.22 0.02
LaD: Ladoga-----	100	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	1.00 0.77

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Restricted permeability	0.22
LaD2: Ladoga-----	100	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	0.77
						Restricted permeability	0.22
LbA: Ladoga-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability	0.22
LbB: Ladoga-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability Too steep for surface application	0.22 0.08
LdC3: Ladoga-----	100	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	0.91 0.22 0.02
MaA: Macksburg-----	98	Somewhat limited Depth to saturated zone Restricted permeability Too acid	0.43 0.30 0.02	Somewhat limited Depth to saturated zone Restricted permeability Too acid	0.43 0.22 0.07	Somewhat limited Depth to saturated zone Restricted permeability Too acid	0.43 0.22 0.07
MaB: Macksburg-----	98	Somewhat limited		Somewhat limited		Somewhat limited	

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		Depth to saturated zone	0.43	Depth to saturated zone	0.43	Depth to saturated zone	0.43
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
Nn: Nevin-----	98	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
No: Nodaway-----	98	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
Nw: Nodaway-----	96	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
OmB: Olmitz-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
OmC: Olmitz-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
SaA: Sharpsburg-----	100	Somewhat limited Restricted permeability Too acid	0.30 0.02	Somewhat limited Restricted permeability Too acid	0.22 0.07	Somewhat limited Restricted permeability Too acid	0.22 0.07
SaB: Sharpsburg-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability	0.22

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SaB2: Sharpsburg-----	100	Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
		Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability	0.22
SaC: Sharpsburg-----	100	Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
		Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.91
SaC2: Sharpsburg-----	100	Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
		Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Too steep for surface application	0.91
SaD: Sharpsburg-----	100	Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for surface application	1.00
SaD: Sharpsburg-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
						Too steep for sprinkler application	0.77
		Too acid	0.02	Too acid	0.07	Restricted permeability	0.22

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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
SaD2: Sharpsburg-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too acid	0.07
						Very limited	
						Too steep for surface application	1.00
						Restricted permeability	0.30
SaE: Sharpsburg-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
						Restricted permeability	0.22
						Too acid	0.02
SbA: Sharpsburg-----	100	Somewhat limited Restricted permeability Too acid	0.30	Somewhat limited Restricted permeability Too acid	0.22	Restricted permeability	0.22
						Too acid	0.07
						Somewhat limited	
						Restricted permeability	0.22
SbB: Sharpsburg-----	100	Somewhat limited Restricted permeability Too acid	0.30	Somewhat limited Restricted permeability Too acid	0.22	Restricted permeability	0.22
						Too steep for surface application	0.08
						Too acid	0.07
						Somewhat limited	
ShC2: Shelby-----	100	Somewhat limited Restricted permeability Too acid	0.30	Somewhat limited Restricted permeability Too acid	0.22	Too steep for surface application	0.91
						Restricted permeability	0.22
						Too acid	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
ShD: Shelby-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too acid	0.07
						Too steep for sprinkler application	0.02
						Very limited Too steep for surface application	1.00
ShD2: Shelby-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
						Too acid	0.02
						Too acid	0.07
ShE: Shelby-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Restricted permeability	0.22
						Too acid	0.07
						Very limited Too steep for surface application	1.00
ShE2: Shelby-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
						Too acid	0.02
						Restricted permeability	0.22
ShE: Shelby-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Too acid	0.07
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
ShE2: Shelby-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22
						Too acid	0.07
						Very limited Too steep for surface application	1.00

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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
ShF: Shelby-----	100	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	0.22
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
ShG: Shelby-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Too acid	0.07
SoD3: Shelby-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too acid	0.07
SoE3: Shelby-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
		Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22
				Too acid	0.07		

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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
Sp: Sperry-----	100	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	0.22
						Too acid	0.07
		Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
St: Sperry-----	100	Depth to saturated zone	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50				
		Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Restricted permeability	1.00	Restricted permeability	1.00
W: Water-----	100	Leaching limitation	0.50				
		Not rated		Not rated		Not rated	
Wa: Wabash-----	100	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Runoff limitation	0.40	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
Wb: Wabash-----	100	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

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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
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Runoff limitation	0.40	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
Wc: Wabash-----	98	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Runoff limitation	0.40	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
Wr: Winterset-----	100	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
WtA: Wiota-----	100	Not limited		Not limited		Not limited	
WtB: Wiota-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08