

Agricultural Waste Management

Grundy 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
7: Wiota-----	100	Not limited		Not limited		Not limited	
41B: Sparta-----	95	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.32	Very limited Filtering capacity Droughty	1.00 0.32	Very limited Filtering capacity Droughty Too steep for surface application	1.00 0.32 0.08
43: Bremer-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.30	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.40 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
54: Zook-----	100	Very limited Restricted permeability Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.60 0.50	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 1.00 1.00	Very limited Depth to saturated zone Restricted permeability Flooding	1.00 1.00 0.60
83B: Kenyon-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
83C: Kenyon-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02

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83C2: Kenyon-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
83D2: Kenyon-----	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 0.77
84: Clyde-----	100	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
88: Nevin-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
96: Turlin-----	95	Very limited Filtering capacity Flooding	1.00 0.60	Very limited Flooding Filtering capacity	1.00 1.00	Very limited Filtering capacity Flooding	1.00 0.60
118: Garwin-----	90	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
119: Muscatine-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43

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119B: Muscatine-----	95	Too acid	0.02	Too acid	0.07	Too acid	0.07
		Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
		Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid	0.08 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 Too acid	0.08 0.07
120C: Tama-----	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	0.91 0.07 0.02
120C2: Tama-----	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	0.91 0.07 0.02
122: Sperry-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Restricted permeability	1.00 1.00

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133: Colo-----	90	Leaching limitation	0.50				
		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
135: Coland-----	95	Very limited		Very limited		Very limited	
		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				
152: Marshan-----	95	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.70				
174B: Bolan-----	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.08
175B: Dickinson-----	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.05	Droughty	0.05	Too steep for surface application	0.08
						Droughty	0.05
175C: Dickinson-----	95	Very limited		Very limited		Very limited	

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177: Saude-----	95	Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.05	Droughty	0.05	Too steep for surface application	0.91
177B: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Droughty	0.05
						Too steep for sprinkler application	0.02
177C: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.91
177C2: Saude-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Too steep for sprinkler application	0.02
						Very limited Filtering capacity	1.00
178: Waukee-----	95	Very limited		Very limited		Very limited	

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178B: Waukee-----	95	Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application	1.00 0.08
184: Klinger-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
		Too acid	0.02	Too acid	0.07	Too acid	0.07
184B: Klinger-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
		Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid	0.08 0.07
198B: Floyd-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
						Too steep for surface application	0.01
221: Palms-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.90	Low adsorption	1.00	Low adsorption	0.12
		Low adsorption	0.12				
225: Lawler-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
226: Lawler-----	95	Depth to saturated zone	0.43	Depth to saturated zone	0.43	Depth to saturated zone	0.43
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Depth to saturated zone	0.43	Depth to saturated zone	0.43	Depth to saturated zone	0.43
241B: Saude-----	60	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
Lilah-----	25	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Leaching limitation	0.45	Too acid	0.07	Too steep for surface application	0.08
		Too acid	0.02			Too acid	0.07
241C2: Saude-----	55	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07
Lilah-----	35	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	1.00	Droughty	1.00	Too steep for surface application	1.00
		Leaching limitation	0.45	Slope	0.16	Droughty	1.00

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377B: Dinsdale-----	95	Slope	0.16	Too acid	0.07	Too steep for sprinkler application	0.39
		Too acid	0.02			Too acid	0.07
		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
377C: Dinsdale-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.91 0.07 0.02
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	0.91 0.07 0.02
377D2: Dinsdale-----	95	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	0.77
						Too acid	0.07
382: Maxfield-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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391B: Clyde-----	50	Leaching limitation	0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Very limited Depth to saturated zone	1.00				
		Leaching limitation	0.70				
Floyd-----	45	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone Too steep for surface application	0.43
							0.01
394B: Ostrander-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
394C: Ostrander-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
394C2: Ostrander-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
399: Readlyn-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone Too acid	0.43 0.07	Somewhat limited Depth to saturated zone Too acid	0.43 0.07
		Too acid	0.02				

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404: Thorp-----	95	Very limited Restricted permeability Depth to saturated zone Leaching limitation Too acid	1.00 1.00 0.50 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
428B: Ely-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone Too steep for surface application	0.43 0.08
484: Lawson-----	95	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
595: Harpster-----	95	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
620C2: Port Byron-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
620E3: Port Byron-----	95	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96	Very limited Too steep for surface application	1.00

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733: Calco-----	95	Very limited		Very limited		Too steep for sprinkler application	0.97
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Very limited	
		Leaching limitation	0.70	Flooding	1.00	Depth to saturated zone	1.00
		Flooding	0.60			Flooding	0.60
776C2: Lilah-----	100	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	1.00	Droughty	1.00	Droughty	1.00
		Leaching limitation	0.45	Too acid	0.07	Too steep for surface application	0.66
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.01
782B: Donnan-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	0.86	Depth to saturated zone	0.86	Depth to saturated zone	0.86
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
933: Sawmill-----	90	Very limited		Very limited		Very limited	
		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				
933B: Sawmill-----	60	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

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Garwin-----	35	Leaching limitation	0.70	Flooding	1.00	Flooding	0.60		
		Flooding	0.60			Too steep for surface application	0.01		
		Very limited	1.00			Very limited	1.00	Very limited	1.00
		Depth to saturated zone	1.00			Depth to saturated zone	1.00	Depth to saturated zone	1.00
C133: Colo-----	95	Leaching limitation	0.70	Very limited	1.00	Very limited	1.00		
		Very limited	1.00			Depth to saturated zone	1.00	Very limited	1.00
		Depth to saturated zone	1.00			Flooding	1.00	Depth to saturated zone	1.00
T119: Muscatine-----	95	Flooding	1.00	Somewhat limited	0.43	Somewhat limited	0.43		
		Leaching limitation	0.70			Depth to saturated zone	0.43	Depth to saturated zone	0.43
		Very limited	1.00			Too acid	0.07	Too acid	0.07
T120: Tama-----	95	Very limited	1.00	Somewhat limited	0.07	Somewhat limited	0.07		
		Depth to saturated zone	1.00			Too acid	0.07	Too acid	0.07