

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.)

Plymouth 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
1B3: Ida-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
1C3: Ida-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
1D3: Ida-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
1E3: Ida-----	95	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
1F3: Ida-----	95	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
1G3: Ida-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value		
2G: Hamburg-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for sprinkler application	1.00		
						Very limited		Too steep for surface application	1.00
								Too steep for sprinkler application	1.00
3F: Castana-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited			
						Too steep for surface application		Too steep for sprinkler application	
10B: Monona-----	95	Not limited		Not limited		Somewhat limited			
						Too steep for surface application	0.08		
10C2: Monona-----	90	Not limited		Not limited		Somewhat limited			
						Too steep for surface application	0.91		
						Too steep for sprinkler application	0.02		
10D2: Monona-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited			
						Too steep for surface application	1.00		
10E2: Monona-----	90	Very limited		Very limited		Too steep for sprinkler application	0.77		
						Very limited			

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
12C: Napier-----	95	Slope	1.00	Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
		Not limited		Not limited		Somewhat limited	
14D: Castana-----	95					Too steep for surface application	0.91
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.02
						Very limited	
18B: Mcpaul-----	50					Too steep for surface application	1.00
		Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Too steep for sprinkler application	0.77
						Somewhat limited Flooding	0.60
Kennebec-----	30					Too steep for surface application	0.08
		Somewhat limited Flooding	0.60	Very limited Flooding	1.00		
						Somewhat limited Flooding	0.60
19B: Kennebec-----	50					Too steep for surface application	0.08
		Somewhat limited Flooding	0.60	Very limited Flooding	1.00		
						Somewhat limited Flooding	0.60
Mcpaul-----	30					Too steep for surface application	0.08
		Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
26: Kennebec-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
28B: Dickman-----	95	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application Too steep for sprinkler application	1.00 0.66 0.01
33D3: Steinauer-----	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	0.77 0.22
33E3: Steinauer-----	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
33F3: Steinauer-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	1.00 0.22
36: Salix-----	95	Not limited		Not limited		Not limited	
66: Luton-----	95	Very limited Restricted permeability Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.60 0.40	Very limited Restricted permeability Depth to saturated zone Flooding	1.00 1.00 1.00	Very limited Restricted permeability Depth to saturated zone Flooding	1.00 1.00 1.00 0.60
70: Mcpaul-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
91B: Primghar-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
108B: Wadena-----	95	Very limited Filtering capacity Droughty	1.00 0.01	Very limited Filtering capacity Droughty	1.00 0.01	Very limited Filtering capacity Too steep for surface application Droughty	1.00 0.08 0.01
114D3: Ida-----	50	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Too steep for surface application Too steep for sprinkler application	1.00 0.39
Wadena-----	30	Very limited		Very limited		Very limited	

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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
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Slope	0.16	Slope	0.16	Too steep for surface application	1.00
		Droughty	0.01	Droughty	0.01	Too steep for sprinkler application	0.39
		Droughty				Droughty	0.01
116: Graceville-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
116B: Graceville-----	90	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
133: Colo-----	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	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
133+: Colo-----	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
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
149: Modale Variant-----	95	Very limited Restricted permeability	1.00	Very limited Flooding	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone	0.95	Restricted permeability	1.00	Depth to saturated zone	0.95
		Flooding	0.60	Depth to saturated zone	0.95	Flooding	0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
156: Albaton-----	95	Very limited Restricted permeability Depth to saturated zone Runoff limitation	1.00 1.00 0.40	Very limited Restricted permeability Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Restricted permeability Depth to saturated zone	1.00 1.00
170D: Napier-----	50	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
Castana-----	30	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
189: Omadi-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
212: Kennebec-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
212B: Kennebec-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding Too steep for surface application	0.60 0.08
310B: Galva-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310C2: Galva-----	85	Not limited		Not limited		Somewhat limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
310D2: Galva-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
						Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
317C2: Galva-----	50	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.39
						Very limited Filtering capacity Slope	1.00
Wadena-----	30	Very limited Filtering capacity Slope	1.00	Very limited Filtering capacity Slope	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	1.00
						Droughty	0.39
						Droughty	0.01
378: Rough Broken Land---	100	Not rated		Not rated		Not rated	
467: Radford-----	95	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
467B: Radford-----	90	Flooding	0.60	Depth to saturated zone	1.00	Flooding	0.60
		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Flooding	0.60	Depth to saturated zone	1.00	Flooding	0.60
						Too steep for surface application	0.08
478: Steep Rock Land-----	95	Not rated		Not rated		Not rated	
607: Salix Variant-----	95	Not limited		Somewhat limited Flooding	0.40	Not limited	
609: Omadi-----	50	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
Alluvial Land-----	30	Not rated		Not rated		Not rated	
717C: Napier-----	50	Not limited		Not limited		Somewhat limited Too steep for surface application	0.66
						Too steep for sprinkler application	0.01
Gullied Land-----	30	Not rated		Not rated		Not rated	

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733: Calco-----	95	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
983D: Castana-----	50	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
Gullied Land-----	30	Not rated		Not rated		Not rated	
C212: Kennebec-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
T10B: Monona-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
T310: Galva-----	95	Not limited		Not limited		Not limited	
T310B: Galva-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08