

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.)

Ida 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
1B: Ida-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
1C: Ida-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
1C3: Ida-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
1D: Ida-----	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
1D3: Ida-----	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
1E: Ida-----	100	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
						Too steep for sprinkler application	1.00
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-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
						Too steep for surface application	1.00
8B: Judson-----	95	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	0.92
						Too steep for sprinkler application	0.02
9B: Marshall-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
9B2: Marshall-----	95	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
						Too steep for surface application	0.08
9C: Marshall-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
9C2: Marshall-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
9D: Marshall-----	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
9D2: Marshall-----	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
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

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Judson-----	40	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
22D3: Dow-----	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
26: Kennebec-----	90	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
26B: Kennebec-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding Too steep for surface application	0.60 0.08
27B: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
27C: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
28C2: Dickman-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	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
		Leaching limitation	0.45			Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
28D2: Dickman-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Filtering capacity	1.00
		Leaching limitation	0.45			Too steep for sprinkler application	0.78
31: Afton-----	100	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
		Leaching limitation	0.50	Restricted permeability	0.22	Restricted permeability	0.22
		Restricted permeability	0.30				
35E2: Steinauer-----	55	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
Burchard-----	40	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
35G: Steinauer-----	55	Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22
		Restricted permeability	0.30	Restricted permeability	0.22	Very limited Too steep for sprinkler application	1.00
						Too steep for surface application	1.00
Burchard-----	40	Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22
		Restricted permeability	0.30	Restricted permeability	0.22	Very limited Too steep for sprinkler application	1.00
						Too steep for surface application	1.00
54: Zook-----	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	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
59D2: Burchard-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Very limited Too steep for surface application	1.00
		Slope	0.16	Slope	0.16	Too steep for sprinkler application	0.40
						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
78B: Sac-----	95	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
78B2: Sac-----	95	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
78C: Sac-----	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
78C2: Sac-----	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
78D2: Sac-----	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	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
						Restricted permeability	0.22
91B: Primghar-----	95	Not limited		Not limited		Not limited	
92: Marcus-----	100	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	Restricted permeability	0.22	Restricted permeability	0.22
		Restricted permeability	0.30				
99C2: Exira-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
99D2: Exira-----	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
99D3: Exira-----	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	0.78
99E2: Exira-----	100	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
100C: Monona-----	100	Not limited		Not limited		Too steep for sprinkler application	1.00
						Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
100C2: Monona-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
100C3: Monona-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
100D: Monona-----	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
100D2: Monona-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	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
						Too steep for sprinkler application	0.78
100D3: Monona-----	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
100E: Monona-----	95	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
100E2: Monona-----	95	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
100E3: Monona-----	95	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
100F: Monona-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler 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
100F2: Monona-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
100F3: Monona-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application Too steep for surface application	1.00 1.00 1.00
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
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
220: Nodaway-----	90	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
309: Allendorf-----	95	Very limited		Very limited		Very limited	

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		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
310: Galva-----	100	Not limited		Not limited		Not limited	
310B: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310B2: Galva-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310C: Galva-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
310C2: Galva-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
310D: Galva-----	90	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
310D2:							

Galva-----| 90 |Somewhat limited | |Somewhat limited | |Very limited |

USDA-NRCS, IOWA

05/14/2003
FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Too steep for sprinkler application	0.78
428B: Ely-----	95	Somewhat limited Depth to saturated zone (NOV-JUL)	0.43	Somewhat limited Depth to saturated zone (NOV-JUL)	0.43	Somewhat limited Depth to saturated zone (NOV-JUL)	0.43
430: Ackmore-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
430B: Ackmore-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
						Too steep for surface application	0.08
474C: Bolan-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02

474D2: | | | | | | | |
 Bolan-----| 95 |Very limited | | |Very limited | | |Very limited | |

USDA-NRCS, IOWA

05/14/2003
 FIELD OFFICE TECHNICAL GUIDE Sec. II
 WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

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		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	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Filtering capacity	1.00
						Too steep for sprinkler application	0.78
475B: Arthur-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
475C2: Arthur-----	95	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
475D2: Arthur-----	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
509: Marshall-----	100	Not limited		Not limited		Not limited	
509B: Marshall-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
509C: Marshall-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for	0.92

surface
application

USDA-NRCS, IOWA

05/14/2003
FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

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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 sprinkler application	0.02
509C2: Marshall-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
740C: Hawick-----	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.99	Droughty	0.99	Droughty	0.99
		Leaching limitation	0.45			Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
740E: Hawick-----	95	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.99	Droughty	0.99	Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Droughty	0.99
		Leaching limitation	0.45			Too steep for sprinkler application	0.98
740G: Hawick-----	95	Very limited		Very limited		Very limited	
		Slope	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Droughty	0.99	Droughty	0.99	Too steep for	1.00

surface
application

USDA-NRCS, IOWA

05/14/2003
FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Leaching limitation	0.45			Droughty	0.99
810: Galva-----	100	Not limited		Not limited		Not limited	
810B: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
810C2: Galva-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.92 0.02
1220: Nodaway-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
5010: Pits-----	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	

