

Agricultural Waste Management

Buena Vista 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
6: Okoboji-----	95	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
27C: Terril-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
31: Afton-----	95	Very limited Depth to saturated zone Flooding Leaching limitation Restricted permeability	1.00 0.60 0.50 0.30	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 1.00 0.22	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.22
32: Spicer-----	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
34B: Estherville-----	90	Very limited Filtering capacity Droughty	1.00 0.61	Very limited Filtering capacity Droughty	1.00 0.61	Very limited Filtering capacity Droughty Too steep for surface application	1.00 0.61 0.08
34C2: Estherville-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

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		Droughty	0.61	Droughty	0.61	Too steep for surface application	0.91
						Droughty	0.61
						Too steep for sprinkler application	0.02
55: Nicollet-----	90	Somewhat limited Depth to saturated zone	0.02	Somewhat limited Depth to saturated zone	0.02	Somewhat limited Depth to saturated zone	0.02
62C: Storden-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
62D: Storden-----	85	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
62E: Storden-----	85	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
62F: Storden-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00

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						Too steep for sprinkler application	1.00
62G: Storden-----	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 1.00
73C: Salida-----	90	Very limited Filtering capacity Droughty Leaching limitation	1.00 1.00 0.45	Very limited Filtering capacity Droughty	1.00 1.00	Very limited Filtering capacity Droughty Too steep for surface application Too steep for sprinkler application	1.00 1.00 1.00 0.91 0.02
73D: Salida-----	90	Very limited Filtering capacity Droughty Slope Leaching limitation	1.00 1.00 0.63 0.45	Very limited Filtering capacity Droughty Slope	1.00 1.00 0.63	Very limited Filtering capacity Too steep for surface application Droughty Too steep for sprinkler application	1.00 1.00 1.00 1.00 0.77
77B: Sac-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
77C2: Sac-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
78B: Sac-----	100	Not limited		Not limited		Too steep for sprinkler application	0.02
78C2: Sac-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Too steep for surface application	0.08
91: Primghar-----	95	Not limited		Not limited		Restricted permeability	0.22
91B: Primghar-----	90	Not limited		Not limited		Too steep for sprinkler application	0.02
92: Marcus-----	90	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
95: Harps-----	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
107: Webster-----	85	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
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.70				
108: Wadena-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
108B: Wadena-----	85	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
108C2: Wadena-----	85	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application Too steep for sprinkler application	1.00 0.91 0.02
133: Colo-----	90	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
138B: Clarion-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
138C2: Clarion-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
138D2: Clarion-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.02
						Very limited	
						Too steep for surface application	1.00
175B: Dickinson-----	90	Very limited Filtering capacity Droughty	1.00 0.06	Very limited Filtering capacity Droughty	1.00 0.06	Too steep for sprinkler application	0.77
						Very limited	
						Too steep for surface application	0.08
202: Cylinder-----	95	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Droughty	0.06
						Very limited	
						Filtering capacity	1.00
203: Cylinder-----	95	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Depth to saturated zone	0.43
						Very limited	
						Filtering capacity	1.00
236F: Lester-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
						Very limited	
						Too steep for sprinkler application	1.00
236G: Lester-----	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
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
250B: Clarion-----	85	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
251: Nicollet-----	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Depth to saturated zone	0.02	Depth to saturated zone	0.02	Depth to saturated zone	0.02
259: Biscay-----	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				
274: Rolfe-----	100	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.02	Too acid	0.07	Too acid	0.07
308B: Wadena-----	100	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
						Too steep for surface application	0.01
310: Galva-----	95	Not limited		Not limited		Not limited	
310B: Galva-----	100	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
310C2: Galva-----	95	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
354: Marsh-----	95	Not rated		Not rated		Not rated	
384: Collinwood-----	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.89	Restricted permeability	0.78	Restricted permeability	0.78
		Depth to saturated zone	0.09	Depth to saturated zone	0.09	Depth to saturated zone	0.09
384B: Collinwood-----	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.89	Restricted permeability	0.78	Restricted permeability	0.78
		Depth to saturated zone	0.09	Depth to saturated zone	0.09	Depth to saturated zone	0.09
						Too steep for surface application	0.08
384C: Collinwood-----	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Restricted permeability	0.89	Restricted permeability	0.78	Too steep for surface application	0.91
		Depth to saturated zone	0.09	Depth to saturated zone	0.09	Restricted permeability	0.78
						Depth to saturated zone	0.09

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
390: Waldorf-----	85	Very limited Depth to saturated zone Restricted permeability Leaching limitation	1.00 0.89 0.50	Very limited Depth to saturated zone Restricted permeability	1.00 0.78	Too steep for sprinkler application Very limited Depth to saturated zone Restricted permeability	0.02 1.00 0.78
428B: Ely-----	90	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
485: Spillville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
485B: Spillville-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
501: Gravel Pits-----	100	Not rated		Not rated		Not rated	
504: Fill Land-----	100	Not rated		Not rated		Not rated	
506: Wacousta-----	100	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
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.70				
507: Canisteo-----	85	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				
511: Blue Earth-----	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				
558: Talcot-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.70				
559: Talcot-----	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
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.70				
577B: Everly-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
577C: Everly-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
577C2: Everly-----	95	Not limited		Not limited		Too steep for sprinkler application	0.02
						Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
585B: Colo-----	60	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			Too steep for surface application	0.08
Spillville-----	30	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
606: Lanyon-----	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
		Restricted permeability	0.89	Restricted permeability	0.78	Restricted permeability	0.78
		Leaching limitation	0.50				
733: Calco-----	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				
C458: Millington-----	90	Very limited		Very limited		Very limited	

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		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				
C585: Colo-----	60	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Leaching limitation	0.70				
Spillville-----	30	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
T310: Galva-----	100	Not limited		Not limited		Not limited	