

Agricultural Waste Management

Benton 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
11B: Colo-----	60	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
Ely-----	35	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
41: Sparta-----	100	Very limited Filtering capacity Leaching limitation Too acid	1.00 0.45 0.02	Very limited Filtering capacity Too acid	1.00 0.07	Very limited Filtering capacity Too acid	1.00 0.07
41B: Sparta-----	100	Very limited Filtering capacity Leaching limitation Too acid	1.00 0.45 0.02	Very limited Filtering capacity Too acid	1.00 0.07	Very limited Filtering capacity Too steep for surface application Too acid	1.00 0.08 0.07
41C: Sparta-----	100	Very limited Filtering capacity Leaching limitation Too acid	1.00 0.45 0.02	Very limited Filtering capacity Too acid	1.00 0.07	Very limited Filtering capacity Too steep for surface application Too acid Too steep for sprinkler application	1.00 0.91 0.07 0.02
41D: Sparta-----	100	Very limited		Very limited		Very limited	

Agricultural Waste Management

Benton 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
51: Vesser-----	95	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
		Leaching limitation	0.45	Too acid	0.07	Too steep for sprinkler application	0.77
		Too acid	0.02			Too acid	0.07
54: Zook-----	100	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Flooding	0.60	Depth to saturated zone	1.00	Flooding	0.60
63B: Chelsea-----	100	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	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
63C: Chelsea-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Droughty	0.50
		Leaching limitation	0.45			Too steep for surface application	0.01
63C: Chelsea-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Too steep for surface application	0.91
		Leaching limitation	0.45			Droughty	0.50

Agricultural Waste Management

Benton 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
63D: Chelsea-----	100					Too steep for sprinkler application	0.02
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Too steep for sprinkler application	0.97
		Leaching limitation	0.45			Droughty	0.50
63F: Chelsea-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.50	Droughty	0.50	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.50
65E2: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.32	Too acid	0.91	Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too acid	0.91
65F: Lindley-----	95					Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00

Agricultural Waste Management

Benton 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
65F3: Lindley-----	95	Too acid	0.32	Too acid	0.91	Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too acid	0.91
						Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	1.00
		Too acid	0.32	Too acid	0.91	Too steep for surface application	1.00
83B: Kenyon-----	100	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Too acid	0.91
83C: Kenyon-----	100	Not limited		Not limited		Restricted permeability	0.22
						Somewhat limited	0.08
83C2: Kenyon-----	100	Not limited		Not limited		Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
83D: Kenyon-----	100	Not limited		Not limited		Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
		Somewhat limited		Somewhat limited		Very limited	

Agricultural Waste Management

Benton 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
83D2: Kenyon-----	100	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
84: Clyde-----	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	0.77
109C: Backbone-----	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				
110B: Lamont-----	100	Somewhat limited Droughty	0.88	Somewhat limited Droughty	0.88	Very limited Too steep for surface application	1.00
		Depth to bedrock	0.46	Depth to bedrock	0.46	Droughty	0.88
110C: Lamont-----	100	Slope	0.01	Slope	0.01	Depth to bedrock	0.46
						Too steep for sprinkler application	0.10
110B: Lamont-----	100	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
110C: Lamont-----	100					Too acid	0.07
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

Agricultural Waste Management

Benton 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
118: Garwin-----	100	Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07
						Too steep for sprinkler application	0.02
119: Muscatine-----	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
		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
119B: 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
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
120: Tama-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too acid	0.07
120B: Tama-----	100	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-----	100	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

Agricultural Waste Management

Benton 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
120C2: Tama-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Too steep for sprinkler application	0.02
						Somewhat limited Too steep for surface application	0.91
						Too acid Too steep for sprinkler application	0.07 0.02
122: Sperry-----	100	Very limited Restricted permeability Depth to saturated zone Leaching limitation	1.00 1.00 0.50	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone	1.00
						Restricted permeability	1.00
						Very limited Filtering capacity	1.00
127: Wiota-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
133: Colo-----	100	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	1.00
						Flooding	0.60
						Very limited Filtering capacity	1.00
159: Finchford-----	100	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.88 0.45	Very limited Filtering capacity Droughty	1.00 0.88	Very limited Filtering capacity	1.00
						Droughty	0.88
						Very limited Filtering capacity	1.00
162B: Downs-----	100	Somewhat limited		Somewhat limited		Somewhat limited	

Agricultural Waste Management

Benton 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
162C: Downs-----	100	Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid	0.08 0.07
		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
162C2: Downs-----	100	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
162D: Downs-----	100	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 Too acid	0.77 0.07
162D2: Downs-----	100	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 Too acid	0.77 0.07
163B: Fayette-----	100	Somewhat limited		Somewhat limited		Somewhat limited	

Agricultural Waste Management

Benton 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
163C: Fayette-----	100	Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid	0.08 0.07
		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
163C2: Fayette-----	100	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
163D: Fayette-----	100	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 Too acid	0.77 0.07
163D2: Fayette-----	100	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 Too acid	0.77 0.07
163E: Fayette-----	100	Very limited		Very limited		Very limited	

Agricultural Waste Management

Benton 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
163E2: Fayette-----	100	Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
163F: Fayette-----	100	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
163F2: Fayette-----	100	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
163G: Fayette-----	100	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00

Agricultural Waste Management

Benton 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
171B: Bassett-----	100	Somewhat limited Too acid	0.11	Somewhat limited Too acid	0.42	Somewhat limited Too acid Too steep for surface application	0.42 0.08
171C: Bassett-----	100	Somewhat limited Too acid	0.11	Somewhat limited Too acid	0.42	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.42 0.02
171C2: Bassett-----	100	Somewhat limited Too acid	0.11	Somewhat limited Too acid	0.42	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.42 0.02
171D: Bassett-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.77 0.42
171D2: Bassett-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.77 0.42
		Too acid	0.11	Too acid	0.42		

Agricultural Waste Management

Benton 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
175: Dickinson-----	100	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
		Droughty	0.11	Droughty	0.11	Droughty	0.11
175B: Dickinson-----	100	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
		Droughty	0.11	Droughty	0.11	Droughty	0.11
						Too steep for surface application	0.08
175C: Dickinson-----	100	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
		Droughty	0.11	Droughty	0.11	Too steep for surface application	0.91
						Droughty	0.11
						Too steep for sprinkler application	0.02
177: Saude-----	100	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
177B: Saude-----	100	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
						Too steep for surface application	0.08
177C: Saude-----	95	Very limited	1.00	Very limited	1.00	Very limited	1.00
		Filtering capacity		Filtering capacity		Filtering capacity	
						Too steep for surface application	0.91

Agricultural Waste Management

Benton 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
178: Waukee-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Too steep for sprinkler application Very limited Filtering capacity	0.02 1.00
178B: Waukee-----	100	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
184B: Klinger-----	95	Somewhat limited Depth to saturated zone Too acid	0.43 0.02	Somewhat limited Depth to saturated zone Too acid	0.43 0.07	Somewhat limited Depth to saturated zone Too acid Too steep for surface application	0.43 0.07 0.01
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 Too steep for surface application	0.43 0.01
207C: Whalan-----	95	Somewhat limited Restricted permeability Depth to bedrock Droughty	0.89 0.46 0.09	Somewhat limited Restricted permeability Depth to bedrock Droughty	0.78 0.46 0.09	Somewhat limited Restricted permeability Too steep for surface application Depth to bedrock Droughty Too steep for sprinkler application	0.78 0.66 0.46 0.09 0.01

Agricultural Waste Management

Benton 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
214C: Rockton-----	95	Somewhat limited Depth to bedrock	0.46	Somewhat limited Depth to bedrock	0.46	Somewhat limited Too steep for surface application	0.66
		Droughty	0.16	Too acid	0.42	Depth to bedrock	0.46
		Too acid	0.11	Droughty	0.16	Too acid	0.42
						Droughty	0.16
						Too steep for sprinkler application	0.01
220: Nodaway-----	95	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
221B: 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	Too steep for surface application	0.01
226: Lawler-----	95	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
284: Flagler-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.28	Droughty	0.28	Droughty	0.28
284B: Flagler-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.28	Droughty	0.28	Droughty	0.28
						Too steep for surface application	0.08
285C: Burkhardt-----	100	Very limited		Very limited		Very limited	

Agricultural Waste Management

Benton 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
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.96	Droughty	0.96	Droughty	0.96
		Too acid	0.11	Too acid	0.42	Too steep for surface application	0.66
291: Atterberry-----	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
		Too acid	0.03	Too acid	0.14	Too acid	0.14
293C: Chelsea-----	40	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Too steep for surface application	0.91
		Leaching limitation	0.45			Droughty	0.50
						Too steep for sprinkler application	0.02
Lamont-----	30	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07
						Too steep for sprinkler application	0.02
Fayette-----	20	Somewhat limited		Somewhat limited		Somewhat limited	
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07

Agricultural Waste Management

Benton 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
293D: Chelsea-----	40					Too steep for sprinkler application	0.02
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Droughty	0.50	Droughty	0.50	Too steep for sprinkler application	0.97
		Leaching limitation	0.45			Droughty	0.50
Lamont-----	30	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Filtering capacity	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.97
Fayette-----	20	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96	Too acid	0.07
		Too acid	0.02	Too acid	0.07	Very limited Too steep for surface application	1.00
293F: Chelsea-----	40					Too steep for sprinkler application	0.97
		Very limited Slope	1.00	Very limited Slope	1.00	Too acid	0.07
		Filtering capacity	1.00	Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Droughty	0.50	Droughty	0.50	Too steep for sprinkler application	1.00
						Filtering capacity	1.00

Agricultural Waste Management

Benton 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
Lamont-----	30	Leaching limitation	0.45			Droughty	0.50
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
Fayette-----	20	Too acid	0.02	Too acid	0.07	Filtering capacity Too acid	1.00
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	1.00
302B: Coggon-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08
302C: Coggon-----	100	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
302C2: Coggon-----	100	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

Agricultural Waste Management

Benton 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
315: Fluvaquents-----	95	Very limited Slope	1.00	Very limited Not Rated (miscellaneous unit)	1.00	Too steep for sprinkler application	0.02
						Very limited Not Rated (miscellaneous unit)	1.00
						Not Rated (miscellaneous unit)	1.00
						Depth to saturated zone	1.00
						Depth to saturated zone	1.00
						Flooding	1.00
350: Waukegan-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
350B: Waukegan-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.08
352B: Whittier-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.01
377B: Dinsdale-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.08
						Too acid	0.07

Agricultural Waste Management

Benton 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
377C: Dinsdale-----	100	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
377C2: Dinsdale-----	100	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
382: Maxfield-----	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
391B: Clyde-----	60	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
Floyd-----	40	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
398: Tripoli-----	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

Agricultural Waste Management

Benton 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
399: Readlyn-----	95	Somewhat limited Depth to saturated zone Too acid	0.43 0.02	Somewhat limited Depth to saturated zone Too acid	0.43 0.07	Somewhat limited Depth to saturated zone Too acid	0.43 0.07
407B: Schley-----	95	Very limited Depth to saturated zone Too acid	1.00 0.22	Very limited Depth to saturated zone Too acid	1.00 0.77	Very limited Depth to saturated zone Too acid Too steep for surface application	1.00 0.77 0.01
408B: Olin-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
408C: Olin-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
412C: Sogn-----	100	Very limited Depth to bedrock Droughty Runoff limitation	1.00 1.00 0.40	Very limited Droughty Depth to bedrock	1.00 1.00	Very limited Droughty Depth to bedrock Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.91 0.02
412D: Sogn-----	100	Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.96	Very limited Droughty Depth to bedrock Slope	1.00 1.00 0.96	Very limited Droughty Depth to bedrock Too steep for surface application	1.00 1.00 1.00

Agricultural Waste Management

Benton 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
412F: Sogn-----	100	Runoff limitation	0.40			Too steep for sprinkler application	0.97
		Very limited Slope Depth to bedrock Droughty	1.00 1.00 1.00	Very limited Droughty Depth to bedrock Slope	1.00 1.00 1.00	Very limited Droughty Depth to bedrock Too steep for surface application	1.00 1.00 1.00
420: Tama-----	100	Runoff limitation	0.40			Too steep for sprinkler application	1.00
		Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too acid	0.07
420B: Tama-----	100	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
426B: Aredale-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
426C: Aredale-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
		Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43

Agricultural Waste Management

Benton 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
485: Spillville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Too steep for surface application	0.08
						Somewhat limited Flooding	0.60
536: Hanlon-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
727: Udolpho-----	100	Very limited Depth to saturated zone Filtering capacity Leaching limitation Too acid	1.00 1.00 0.70 0.03	Very limited Depth to saturated zone Filtering capacity Too acid	1.00 1.00 0.14	Very limited Depth to saturated zone	1.00
						Filtering capacity	1.00
						Leaching limitation	0.70
						Too acid	0.14
729B: Nodaway-----	60	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding Too steep for surface application	1.00 0.01
Radford-----	30	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding	1.00
						Depth to saturated zone	1.00
771B: Waubeek-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
771C: Waubeek-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

USDA-NRCS, IOWA

Agricultural Waste Management

Benton 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

						Too steep for sprinkler application	0.02
771C2: Waubeeek-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
778: Sattre-----	100	Very limited Filtering capacity Too acid	1.00 0.01	Very limited Filtering capacity Too acid	1.00 0.03	Very limited Filtering capacity Too acid	1.00 0.03
778B: Sattre-----	100	Very limited Filtering capacity Too acid	1.00 0.01	Very limited Filtering capacity Too acid	1.00 0.03	Very limited Filtering capacity Too steep for surface application Too acid	1.00 0.08 0.03
782B: Donnan-----	95	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 0.86 0.02	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 0.86 0.07	Very limited Restricted permeability Depth to saturated zone Too steep for surface application Too acid	1.00 0.86 0.08 0.07
782C2: Donnan-----	95	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 0.86 0.02	Very limited Restricted permeability Depth to saturated zone Too acid	1.00 0.86 0.07	Very limited Restricted permeability Too steep for surface application Depth to saturated zone	1.00 0.91 0.86

Agricultural Waste Management

Benton 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
1043: Bremer-----	100	Very limited Depth to saturated zone Filtering capacity Restricted permeability	1.00 1.00 0.30	Very limited Depth to saturated zone Filtering capacity Flooding Restricted permeability	1.00 1.00 0.40 0.22	Too acid Too steep for sprinkler application Very limited Depth to saturated zone Filtering capacity Restricted permeability	0.07 0.02 1.00 1.00 0.22
1088: Nevin-----	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	Very limited Filtering capacity Depth to saturated zone	1.00 0.43
1119: Muscatine-----	95	Somewhat limited Depth to saturated zone Too acid	0.43 0.02	Somewhat limited Depth to saturated zone Too acid	0.43 0.07	Somewhat limited Depth to saturated zone Too acid	0.43 0.07
1133: Colo-----	95	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
1160: Walford-----	100	Very limited Depth to saturated zone Filtering capacity Leaching limitation Restricted permeability	1.00 1.00 0.70 0.30	Very limited Depth to saturated zone Filtering capacity Restricted permeability	1.00 1.00 0.22	Very limited Depth to saturated zone Filtering capacity Restricted permeability	1.00 1.00 0.22

Agricultural Waste Management

Benton 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
1291: Atterberry-----	95	Very limited Depth to saturated zone Too acid	1.00 0.03	Very limited Depth to saturated zone Too acid	1.00 0.14	Very limited Depth to saturated zone Too acid	1.00 0.14
1485: Spillville-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
1688: Koszta-----	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	Very limited Filtering capacity Depth to saturated zone	1.00 0.43
5030: Pits, Limestone Quarry-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	