

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.)

Decatur 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
13B: Olmitz-----	40	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
Zook-----	30	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				
Vesser-----	20	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	0.40	Too steep for surface application	0.08
23C: Arispe-----	90	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	Restricted permeability	1.00	Restricted permeability	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
23C2: Arispe-----	90	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

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.)

Decatur 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
24D: Shelby-----	90	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
		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	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24D2: Shelby-----	90	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
						Restricted permeability Too acid	0.22 0.07
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24E2: Shelby-----	90	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
						Restricted permeability Too acid	0.22 0.07
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24F2: Shelby-----	90	Very limited		Very limited		Very limited	

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.)

Decatur 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
		Slope	1.00	Slope	1.00	Too steep for sprinkler	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	application Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
43: Bremer-----	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
		Restricted permeability	0.30	Flooding	0.40	Restricted permeability	0.22
				Restricted permeability	0.22		
51: Vesser-----	90	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
51B: Vesser-----	90	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	0.40	Too steep for surface application	0.08
54: Zook-----	90	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

FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Leaching limitation	0.50				
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				
56B: Cantril-----	95	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
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
56C: Cantril-----	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
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.92
						Too acid	0.07
						Too steep for sprinkler application	0.02
58E: Douds-----	95	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

(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.)

Decatur 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
58E2: Douds-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Too acid	0.07
		Too acid	0.02	Too acid	0.07	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application Too acid	1.00 0.07
65D: Lindley-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	0.78
		Too acid	0.08	Restricted permeability	0.22	Too acid Restricted permeability	0.31 0.22
65E: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid Restricted permeability	0.31 0.22
65E2: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid Restricted permeability	0.31 0.22

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.)

Decatur 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				
65F2: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22				
						Very limited Slope	1.00	Too steep for	1.00		
						Restricted permeability	0.30	Too acid	0.31	sprinkler application Too steep for surface application	1.00
65G: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Too acid	0.31				
						Restricted permeability	0.30	Restricted permeability	0.22	Too acid	0.31
						Too acid	0.08	Restricted permeability	0.22	Restricted permeability	0.22
						Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
88: Nevin-----	95	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 0.40	Too steep for surface application	1.00				
						Too acid	0.08	Too acid	0.31	Too acid	0.31
						Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
94E: Caleb-----	70	Very limited Slope	1.00	Very limited Slope	1.00	Restricted permeability	0.22				
						Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application Too acid	1.00 0.31				

Mystic-----| 30 |Very limited | |Very limited | |Very limited |

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
94E2: Caleb-----	70	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
Mystic-----	30	Too acid	0.08	Too acid	0.31	Too acid	0.31
		Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
131B: Pershing-----	95	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too acid	0.31
						Too steep for surface application	0.08

131C: Pershing----- 90 | Very limited | | Very limited | | Very limited |

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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		
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00		
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00		
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92		
						Too acid	0.31		
						Too steep for sprinkler application	0.02		
		131C2: Pershing-----	90	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	Restricted permeability	1.00	Restricted permeability	1.00
				Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31		
						Too steep for sprinkler application	0.02		
		132C: Weller-----	90	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
				Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
				Too acid	0.08	Too acid	0.31		
						Too steep for surface application	0.92		
						Too acid	0.31		
						Too steep for sprinkler application	0.02		

132C2:

Weller----- 90 | Very limited | | Very limited | | Very limited |

USDA-NRCS, IOWA

04/13/2004

FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
172: Wabash-----	95	Too steep for sprinkler application				Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
179D2: Gara-----	90	Flooding	1.00	Flooding	1.00	Flooding	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Runoff limitation	0.40	Too acid	0.07	Too acid	0.07
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
179E: Gara-----	90	Too steep for surface application				Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Restricted permeability				Restricted permeability	0.22
179E: Gara-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
		Too steep for surface application				Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted	0.22

179E2: Gara-----	90	Very limited	Very limited	permeability	Very limited
---------------------	----	--------------	--------------	--------------	--------------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
179F: Gara-----	95	Slope	1.00	Slope	1.00	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
179F2: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application Restricted permeability	1.00 0.22
192C: Adair-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application Restricted permeability	1.00 0.22
192C: Adair-----	95	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	Restricted permeability	1.00	Restricted permeability	1.00
						Too steep for surface application Too steep for sprinkler	0.92 0.02

192C2: Adair-----	95	Very limited	Very limited	Very limited	application
----------------------	----	--------------	--------------	--------------	-------------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
192D2: Adair-----	95	Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
192D2: Adair-----	95	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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
						Too steep for sprinkler application	0.78
208: Klum-----	85	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
211: Edina-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
220: Nodaway-----	90	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60

222C:  
 Clarinda-----| 90 | Very limited | | Very limited | | Very limited |

USDA-NRCS, IOWA

04/13/2004  
 FIELD OFFICE TECHNICAL GUIDE Sec. II  
 WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface application	0.92
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
222C2: Clarinda-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface application	0.92
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
222D2: Clarinda-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for sprinkler application	0.78
		Too acid	0.02			Too acid	0.07
223C2:							

Rinda-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
------------	----	--	------	--	------	--	------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
223D2: Rinda-----	95	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface application	0.92
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
232C: Keswick-----	95	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for sprinkler application	0.78
		Too acid	0.02			Too acid	0.07
		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	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
232C2: Keswick-----	95					Too acid	0.31
						Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	

	Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
--	-------------------------	------	-----------------------------------	------	-----------------------------------	------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
						Too steep for sprinkler application	0.02
269: Humeston-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.50	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
273B: Olmitz-----	95	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
273C: Olmitz-----	95	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
312B: Seymour-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00

	(NOV-JUL)		(NOV-JUL)		(NOV-JUL)	0.08
					Too steep for surface application	

USDA-NRCS, IOWA

04/13/2004

FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
312C: Seymour-----	95	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.92 0.02
312C2: Seymour-----	95	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.92 0.02
362: Haig-----	95	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Leaching limitation	1.00 1.00 0.50	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability	1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability	1.00 1.00
364B: Grundy-----	95	Very limited Restricted	1.00	Very limited Depth to	1.00	Very limited Depth to	1.00

	permeability		saturated zone (NOV-JUL)		saturated zone (NOV-JUL)
	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
423C2: Bucknell-----	100					Too steep for surface application	0.08
		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	Restricted permeability	1.00	Restricted permeability	1.00
		Runoff limitation	0.40	Too acid	0.14	Too steep for surface application	0.92
		Too acid	0.03			Too acid	0.14
						Too steep for sprinkler application	0.02
423D2: Bucknell-----	90	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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Runoff limitation	0.40	Too acid	0.14	Too steep for sprinkler application	0.78
		Too acid	0.03			Too acid	0.14
425C: Keswick-----	90	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	1.00	Restricted permeability	1.00	Restricted permeability	1.00

	(NOV-JUL)						
	Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92	
					Too acid	0.31	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
425D: Keswick-----	90					Too steep for sprinkler application	0.02
		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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
425D2: Keswick-----	90					Too acid	0.31
		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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
425D3: Keswick-----	90	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	Restricted permeability	1.00	Too steep for surface application	1.00

	Slope	0.63	Slope	0.63	Restricted permeability	1.00
	Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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 acid	0.31
451C2: Caleb-----	95	Somewhat limited Too acid	0.08	Somewhat limited Too acid	0.31	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.92 0.31 0.02
451D2: Caleb-----	95	Somewhat limited Slope  Too acid	0.63  0.08	Somewhat limited Slope  Too acid	0.63  0.31	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.78 0.31
451E2: Caleb-----	95	Very limited Slope  Too acid	1.00  0.08	Very limited Slope  Too acid	1.00  0.31	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 1.00 0.31
452C: Lineville-----	95	Very limited Restricted permeability  Depth to saturated zone (NOV-JUL) Dense layer	1.00  1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability	1.00  1.00	Very limited Depth to saturated zone (NOV-JUL) Restricted permeability  Too steep for surface	1.00 1.00  0.92

application Too steep for sprinkler application	0.02
--	------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
452C2: Lineville-----	95	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	Restricted permeability	1.00	Restricted permeability	1.00
		Dense layer	1.00			Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
453: Tuskeego-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Leaching limitation	0.50	Flooding	0.40	Too acid	0.07
		Too acid	0.02	Too acid	0.07		
484: Lawson-----	90	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
520: Coppock-----	95	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
520B: Coppock-----	95	Very limited		Very limited		Very limited	

	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
--	-----------------------------------	------	-----------------------------------	------	-----------------------------------	------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
531B: Kniffin-----	95	Very limited		Flooding	0.40	Too steep for surface application	0.08
		Restricted permeability	1.00	Very limited		Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too acid	0.31
531C: Kniffin-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
531C2: Kniffin-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31

						Too steep for sprinkler application	0.02
532C: Rathbun-----	95	Very limited		Very limited		Very limited	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
						Too steep for sprinkler application	0.02
532C2: Rathbun-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
						Too steep for	0.02
						sprinkler application	
587: Chequest-----	95	Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
592C: Mystic-----	95	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 (NOV-JUL)	1.00	(NOV-JUL) Restricted permeability	1.00	(NOV-JUL) Restricted permeability	1.00
	Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
592C2: Mystic-----	95	Very limited	1.00	Very limited	1.00	Too acid	0.31
		Restricted permeability		Depth to saturated zone (NOV-JUL)		Too steep for sprinkler application	0.02
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Very limited	1.00
		Too acid		0.08		Too steep for surface application	0.92
592D2: Mystic-----	95	Very limited	1.00	Very limited	1.00	Too acid	0.31
		Restricted permeability		Depth to saturated zone (NOV-JUL)		Too steep for sprinkler application	0.02
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Very limited	1.00
		Too acid		0.08		Too steep for surface application	0.92
594D: Galland-----	95	Very limited	1.00	Very limited	1.00	Too acid	0.31
		Restricted permeability		Depth to saturated zone (NOV-JUL)		Too steep for sprinkler application	0.02
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Very limited	1.00
		Slope		0.63		Too steep for surface application	1.00
594D: Galland-----	95	Very limited	1.00	Very limited	1.00	Restricted permeability	1.00
		Restricted permeability		Depth to saturated zone		Too steep for sprinkler application	0.78
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Too acid	0.31
		Slope		0.63		Too steep for surface application	1.00
594D: Galland-----	95	Very limited	1.00	Very limited	1.00	Too acid	0.31
		Restricted permeability		Depth to saturated zone		Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Too steep for surface application	1.00
		Slope		0.63		Restricted permeability	1.00
594D: Galland-----	95	Very limited	1.00	Very limited	1.00	Too steep for surface application	1.00
		Restricted permeability		Depth to saturated zone		Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Too steep for surface application	1.00
		Slope		0.63		Restricted permeability	1.00
594D: Galland-----	95	Very limited	1.00	Very limited	1.00	Too steep for surface application	1.00
		Restricted permeability		Depth to saturated zone		Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)		Restricted permeability		Too steep for surface application	1.00
		Slope		0.63		Restricted permeability	1.00

	Depth to	1.00	(NOV-JUL) Restricted	1.00	(NOV-JUL) Too steep for	1.00
	saturated zone (NOV-JUL) Slope	0.63	permeability Slope	0.63	surface application Restricted permeability	1.00

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
594D2: Galland-----	95	Runoff limitation	0.40			Too steep for sprinkler application	0.78
		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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	0.78
678G: Gasconade-----	75	Very limited Slope Depth to bedrock	1.00 1.00	Very limited Droughty Depth to bedrock	1.00 1.00	Very limited Droughty Too steep for sprinkler application	1.00 1.00
		Droughty Cobble content	1.00 0.87	Slope Cobble content	1.00 0.87	Depth to bedrock Too steep for surface application	1.00 1.00
		Runoff limitation	0.40	Restricted permeability	0.22	Cobble content	0.87
		Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
		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
Klum-----	15	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
730C: Cantril-----	40	Very limited		Very limited		Very limited	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.92
						Too acid	0.07
						Too steep for sprinkler application	0.02
Coppock-----	30	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 0.40	Very limited Depth to saturated zone (NOV-JUL) Too steep for surface application	1.00 0.08
Nodaway-----	20	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
792C: Armstrong-----	95	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	Restricted permeability	1.00	Restricted permeability	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
792C2: Armstrong-----	95	Very limited		Very limited		Very limited	

Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
				Too steep for surface application	0.92

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
792D: Armstrong-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Too steep for sprinkler application	0.02
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Restricted permeability	1.00
792D2: Armstrong-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Too steep for sprinkler application	0.78
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Restricted permeability	1.00
792D3: Armstrong-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Too steep for surface application	1.00
		Depth to saturated zone	1.00	Restricted permeability	1.00	Too steep for surface application	1.00

		(NOV-JUL) Slope	0.63	Slope	0.63	application Restricted permeability	1.00
						Too steep for sprinkler application	0.78
822C2: Lamoni-----	90	Very limited		Very limited		Very limited	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.01	Too acid	0.01	Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
						Too acid	0.01
822D2: Lamoni-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.01	Too acid	0.01	Too steep for sprinkler application	0.78
						Too acid	0.01
831C2: Pershing-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface	0.92

					application	
					Too acid	0.31
					Too steep for sprinkler application	0.02
832C2: Weller-----	90	Very limited		Very limited	Very limited	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
						Too steep for sprinkler application	0.02
994E: Douds-----	65	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
						Too acid	0.07
Galland-----	35	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	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	0.78
994E2: Douds-----	65	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for	1.00

		Too acid	0.02	Too acid	0.07	surface application Too steep for sprinkler application Too acid	1.00 0.07
Galland-----	35	Very limited		Very limited		Very limited	

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
1130: Belinda-----	90	Restricted permeability	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	0.78
1131B: Pershing-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40				
		Too acid	0.08	Too acid	0.31	Too acid Too steep for surface application	0.31 0.08
1131C: Pershing-----	90	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	Restricted permeability	1.00	Restricted permeability	1.00
	Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
					Too acid	0.31

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
1132C: Weller-----	90	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.08	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.31	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid Too steep for surface application	1.00 1.00 0.31 0.08
1715: Nodaway-----	40	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Klum-----	30	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Lawson-----	15	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 1.00	Very limited Depth to saturated zone (NOV-JUL) Flooding	1.00 1.00
5030: Limestone-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	

AW: Animal Waste-----	100	Not rated	Not rated	Not rated
--------------------------	-----	-----------	-----------	-----------

USDA-NRCS, IOWA

04/13/2004  
FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL INTERPRETATIONS

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.)

Decatur 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
SL: Sewage Lagoon-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	

