

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.)

Iowa 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 |
| AaC2:<br>Adair-----      | 100              | Very limited<br>Restricted permeability         | 1.00  | Very limited<br>Depth to saturated zone (NOV-JUL) | 1.00  | Very limited<br>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  |
| AaD2:<br>Adair-----      | 100              | Very limited<br>Restricted permeability         | 1.00  | Very limited<br>Depth to saturated zone (NOV-JUL) | 1.00  | Very limited<br>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  |
| AaE2:<br>Adair-----      | 100              | Very limited<br>Restricted permeability         | 1.00  | Very limited<br>Depth to saturated zone (NOV-JUL) | 1.00  | Very limited<br>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   | 1.00  | Slope   | 1.00  | Too steep for sprinkler application               | 1.00  |
|                          |                  |   |       |   |       | Restricted permeability                           | 1.00  |
| AcD2:<br>Adair-----      | 100              | Very limited<br>Restricted permeability         | 1.00  | Very limited<br>Depth to saturated zone (NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone (NOV-JUL) | 1.00  |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste |       | Application of sewage sludge                   |       | Disposal of wastewater by irrigation           |       |
|--------------------------|------------------|---|-------|--|-------|--|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features             | Value | Rating class and limiting features             | Value |
| AcE2:<br>Adair-----      | 100              | 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  |
|                          |                  | 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   | 1.00  | Slope  | 1.00  | Too steep for sprinkler application            | 1.00  |
| AdD3:<br>Adair-----      | 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  | 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  |
| AdE3:<br>Adair-----      | 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  | Restricted permeability                        | 1.00  | Too steep for surface application              | 1.00  |
|                          |                  | Slope   | 1.00  | Slope  | 1.00  | Too steep for sprinkler application            | 1.00  |
|                          |                  |   |       |  |       |  |       |

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Iowa 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 |
| AeD3:<br>Adair-----       | 100              | Very limited                                    |       | Very limited                       |       | 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  | Restricted permeability            | 1.00  | Too steep for surface application    | 1.00  |
|                           |                  | Slope   | 0.63  | Slope                              | 0.63  | Restricted permeability              | 1.00  |
| AeE3:<br>Adair-----       | 100              | Very limited                                    |       | Very limited                       |       | 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  | Too steep for surface application    | 1.00  |
|                           |                  | Slope   | 1.00  | Slope                              | 1.00  | Too steep for sprinkler application  | 1.00  |
| AeF3:<br>Adair-----       | 100              | Very limited                                    |       | Very limited                       |       | Restricted permeability              | 1.00  |
|                           |                  | Slope   | 1.00  | Depth to saturated zone (NOV-JUL)  | 1.00  | Too steep for sprinkler application  | 1.00  |
|                           |                  | Restricted permeability                         | 1.00  | Slope                              | 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  |
| Al:<br>Alluvial Land----- | 90               | Not Rated                                       |       | Not Rated                          |       | Restricted permeability              | 1.00  |
|                           |                  | Not rated; Ksat                                 |       | Not rated; AWC                     |       | Not Rated                            |       |

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| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste  |                  | Application<br>of sewage sludge   |                  | Disposal of<br>wastewater<br>by irrigation  |                  |
|-----------------------------|---------------------------|---|------------------|---|------------------|---|------------------|
|                             |                           | Rating class and<br>limiting features   | Value            | Rating class and<br>limiting features   | Value            | Rating class and<br>limiting features   | Value            |
|                             |                           | Not rated; Ksat<br>Not rated; Bulk<br>density<br>Not rated;<br>Fragments ><br>250mm<br>Not rated;<br>Fragments 75 to<br>250mm |                  | Not rated; Ksat<br>Not rated; Ksat<br>Not rated; pH<br>Not rated;<br>Fragments ><br>250mm |                  | Not rated; Ksat<br>Not rated; Ksat<br>Not rated; pH<br>Not rated;<br>Fragments 75 to<br>250mm |                  |
| Am:<br>Amana-----           | 95                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding   | 1.00<br><br>0.60 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                       | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                           | 1.00<br><br>0.60 |
| An:<br>Amana-----           | 30                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding   | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                       | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                           | 1.00<br><br>1.00 |
| Lawson-----                 | 30                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding   | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                       | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Flooding                           | 1.00<br><br>1.00 |
| Nodaway-----                | 20                        | Very limited<br>Flooding  | 1.00             | Very limited<br>Flooding  | 1.00             | Very limited<br>Flooding  | 1.00             |
| As:<br>Atterberry-----      | 95                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)   | 1.00             | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)                                   | 1.00             | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)                                       | 1.00             |
| At:<br>Atterberry-----      | 95                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)   | 1.00             | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)                                   | 1.00             | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)                                       | 1.00             |
| BaC2:<br>Bassett-----       | 100                       | Somewhat limited  |                  | Somewhat limited  |                  | Somewhat limited  |                  |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste |       | Application of sewage sludge       |       | Disposal of wastewater by irrigation |       |
|--------------------------|------------------|---|-------|------------------------------------|-------|--------------------------------------|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features | Value | Rating class and limiting features   | Value |
| BaD2:<br>Bassett-----    | 100              | 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  |
| BaE2:<br>Bassett-----    | 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  | 0.78  |
| BaF2:<br>Bassett-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Too acid                             | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for surface application    | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application  | 1.00  |
| BaF2:<br>Bassett-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Too steep for sprinkler application  | 1.00  |
|                          |                  |   |       |                                    |       | Too steep for surface application    | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application    | 1.00  |
| BeD3:<br>Bassett-----    | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope             | 0.63  | Too acid                             | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for surface application    | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application  | 0.78  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |

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|--------------------------|------------------|---|-------|--|-------|--|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features             | Value | Rating class and limiting features             | Value |
| BeE3:<br>Bassett-----    | 100              | 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  |
| BrA:<br>Bertrand-----    | 100              | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity                | 1.00  | Very limited Filtering capacity                | 1.00  |
| BrB:<br>Bertrand-----    | 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  |
| BrC2:<br>Bertrand-----   | 100              | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity                | 1.00  | Very limited Filtering capacity                | 1.00  |
|                          |                  |   |       |  |       | Too steep for surface application              | 0.92  |
|                          |                  |   |       |  |       | Too steep for sprinkler application            | 0.02  |
| Bs:<br>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  |  |       |
| Bt:<br>Bremer-----       | 100              | Very limited                                    |       | Very limited                                   |       | Very limited                                   |       |

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|--------------------------|------------------|---|-------|--------------------------------------|-------|--|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features   | Value | Rating class and limiting features               | Value |
| Ca:<br>Chariton-----     | 100              | 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  | 0.60  | Flooding                             | 1.00  | Flooding   | 0.60  |
|                          |                  | Restricted permeability                         | 0.30  | Restricted permeability              | 0.22  | Restricted permeability                          | 0.22  |
|                          |                  | 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  |  |       |
| CeB:<br>Chelsea-----     | 100              | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity      | 1.00  | Very limited Filtering capacity                  | 1.00  |
|                          |                  | Droughty  | 0.65  | Droughty                             | 0.65  | Too steep for surface application                | 0.68  |
|                          |                  | Leaching limitation                             | 0.45  |                                      |       | Droughty   | 0.65  |
| CeD:<br>Chelsea-----     | 100              | 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  | 1.00  |
| CeG:<br>Chelsea-----     | 100              | Droughty  | 0.65  | Droughty                             | 0.65  | capacity Too steep for sprinkler application     | 0.98  |
|                          |                  | Leaching limitation                             | 0.45  |                                      |       | Droughty   | 0.65  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                   | 1.00  | Very limited Too steep for sprinkler application | 1.00  |

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|--------------------------|------------------|---|-------|------------------------------------|-------|---|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features | Value | Rating class and limiting features                    | Value |
| CfC:<br>Chelsea-----     | 50               | Filtering capacity                              | 1.00  | Filtering capacity                 | 1.00  | Too steep for surface application                     | 1.00  |
|                          |                  | Droughty  | 0.65  | Droughty                           | 0.65  | Filtering capacity                                    | 1.00  |
|                          |                  | Leaching limitation                             | 0.45  |                                    |       | Droughty  | 0.65  |
|                          |                  | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Filtering capacity                                    | 1.00  |
|                          |                  | Droughty  | 0.65  | Droughty                           | 0.65  | Too steep for surface application                     | 0.92  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty  | 0.65  |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid  | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application                   | 0.02  |
|                          |                  |   |       |                                    |       |   |       |
|                          |                  |   |       |                                    |       |   |       |
| Fayette-----             | 30               | Somewhat limited<br>Too acid                    | 0.02  | Somewhat limited<br>Too acid       | 0.07  | Somewhat limited<br>Too steep for surface application | 0.92  |
|                          |                  |   |       |                                    |       | Too acid  | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application                   | 0.02  |
| Lamont-----              | 20               | Very limited<br>Filtering capacity              | 1.00  | Very limited<br>Filtering capacity | 1.00  | Very limited<br>Filtering capacity                    | 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  |
| CfD:<br>Chelsea-----     | 50               | Very limited<br>Filtering capacity              | 1.00  | Very limited<br>Filtering capacity | 1.00  | Very limited<br>Too steep for surface application     | 1.00  |

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|--------------------------|------------------|---|-------|------------------------------------|-------|--|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features | Value | Rating class and limiting features             | Value |
| Fayette-----             | 30               | Droughty  | 0.65  | Droughty                           | 0.65  | Filtering capacity                             | 1.00  |
|                          |                  | Slope   | 0.63  | Slope                              | 0.63  | Too steep for sprinkler application            | 0.78  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty                                       | 0.65  |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid                                       | 0.07  |
|                          |                  | 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            | 0.78  |
|                          |                  |   |       |                                    |       | Too acid                                       | 0.07  |
| Lamont-----              | 20               | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Very limited Too steep for surface application | 1.00  |
|                          |                  | Slope   | 0.63  | Slope                              | 0.63  | Filtering capacity                             | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application            | 0.78  |
|                          |                  |   |       |                                    |       | Too acid                                       | 0.07  |
| CfD2:<br>Chelsea-----    | 50               | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Very limited Too steep for surface application | 1.00  |
|                          |                  | Droughty  | 0.65  | Droughty                           | 0.65  | Filtering capacity                             | 1.00  |
|                          |                  | Slope   | 0.63  | Slope                              | 0.63  | Too steep for sprinkler application            | 0.78  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty                                       | 0.65  |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid                                       | 0.07  |
| Fayette-----             | 30               | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope             | 0.63  | Very limited Too steep for surface application | 1.00  |
|                          |                  |   |       |                                    |       |  |       |

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| Map symbol and soil name | Pct. of map unit | Application of manure and food-processing waste |       | Application of sewage sludge       |       | Disposal of wastewater by irrigation           |       |
|--------------------------|------------------|---|-------|------------------------------------|-------|--|-------|
|                          |                  | Rating class and limiting features              | Value | Rating class and limiting features | Value | Rating class and limiting features             | Value |
| Lamont-----              | 20               | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application            | 0.78  |
|                          |                  |   |       |                                    |       | Too acid                                       | 0.07  |
|                          |                  | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Very limited Too steep for surface application | 1.00  |
|                          |                  | Slope   | 0.63  | Slope                              | 0.63  | Filtering capacity                             | 1.00  |
| CfE:<br>Chelsea-----     | 50               | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application            | 0.78  |
|                          |                  |   |       |                                    |       | Too acid                                       | 0.07  |
|                          |                  | 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-----             | 30               | Droughty  | 0.65  | Droughty                           | 0.65  | Filtering capacity                             | 1.00  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty                                       | 0.65  |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid                                       | 0.07  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for surface application | 1.00  |
| Lamont-----              | 20               | 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  |
|                          |                  | Filtering capacity                              | 1.00  | Filtering capacity                 | 1.00  | Too steep for sprinkler application            | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Filtering capacity                             | 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.)

Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |              | Application<br>of sewage sludge       |       | Disposal of<br>wastewater<br>by irrigation                |              |
|-----------------------------|---------------------------|--|--------------|---------------------------------------|-------|---|--------------|
|                             |                           | Rating class and<br>limiting features                  | Value        | Rating class and<br>limiting features | Value | Rating class and<br>limiting features                     | Value        |
| CfE2:<br>Chelsea-----       | 50                        |  |              |                                       |       | Too acid  | 0.07         |
|                             |                           | Very limited<br>Slope                                  | 1.00         | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>surface<br>application   | 1.00         |
|                             |                           | Filtering<br>capacity                                  | 1.00         | Filtering<br>capacity                 | 1.00  | Too steep for<br>sprinkler<br>application                 | 1.00         |
|                             |                           | Droughty   | 0.65         | Droughty                              | 0.65  | Filtering<br>capacity                                     | 1.00         |
|                             |                           | Leaching<br>limitation<br>Too acid                     | 0.45<br>0.02 | Too acid                              | 0.07  | Droughty<br>Too acid                                      | 0.65<br>0.07 |
| Fayette-----                | 30                        | Very limited<br>Slope                                  | 1.00         | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>surface<br>application   | 1.00         |
|                             |                           | Too acid   | 0.02         | Too acid                              | 0.07  | Too steep for<br>sprinkler<br>application                 | 1.00         |
|                             |                           |  |              |                                       |       | Too acid  | 0.07         |
| Lamont-----                 | 20                        | Very limited<br>Slope                                  | 1.00         | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>surface<br>application   | 1.00         |
|                             |                           | Filtering<br>capacity                                  | 1.00         | Filtering<br>capacity                 | 1.00  | Too steep for<br>sprinkler<br>application                 | 1.00         |
|                             |                           | Too acid   | 0.02         | Too acid                              | 0.07  | Filtering<br>capacity<br>Too acid                         | 1.00<br>0.07 |
| CfG:<br>Chelsea-----        | 50                        | Very limited<br>Slope                                  | 1.00         | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>sprinkler<br>application | 1.00         |
|                             |                           | Filtering<br>capacity                                  | 1.00         | Filtering<br>capacity                 | 1.00  | Too steep for<br>surface<br>application                   | 1.00         |
|                             |                           | Droughty   | 0.65         | Droughty                              | 0.65  | Filtering<br>capacity                                     | 1.00         |
|                             |                           | Leaching<br>limitation                                 | 0.45         | Too acid                              | 0.07  | Droughty  | 0.65         |

Agricultural Waste Management

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Iowa 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                |
| Fayette-----             | 30               | Too acid  | 0.02  |  |       | Too acid   | 0.07                 |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                       | 1.00  | Very limited Too steep for sprinkler application                     | 1.00                 |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Too steep for surface application Too acid                           | 1.00<br>0.07         |
| Lamont-----              | 20               | Very limited Slope                              | 1.00  | Very limited Slope                       | 1.00  | Very limited Too steep for sprinkler application                     | 1.00                 |
|                          |                  | Filtering capacity                              | 1.00  | Filtering capacity                       | 1.00  | Too steep for surface application                                    | 1.00                 |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Filtering capacity Too acid  | 1.00<br>0.07         |
| ClB:<br>Clinton-----     | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Somewhat limited Restricted permeability                             | 0.22                 |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Too steep for surface application Too acid                           | 0.08<br>0.07         |
| ClC:<br>Clinton-----     | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Somewhat limited Too steep for surface application                   | 0.92                 |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Restricted permeability Too acid Too steep for sprinkler application | 0.22<br>0.07<br>0.02 |
| ClC2:<br>Clinton-----    | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Somewhat limited Too steep for surface application                   | 0.92                 |

Agricultural Waste Management

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Iowa 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  | 0.02  | Too acid                           | 0.07  | Restricted permeability              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application  | 0.02  |
| ClD:<br>Clinton-----     | 100              | 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              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
| ClD2:<br>Clinton-----    | 100              | 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              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
| ClE2:<br>Clinton-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         |       |
|                          |                  |   |       |                                    |       | Too steep for surface application    | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Restricted permeability            | 0.22  | Too steep for sprinkler application  | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Restricted permeability              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
| ClF2:<br>Clinton-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         |       |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application  | 1.00  |

Agricultural Waste Management

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Iowa 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 |
| CnD3:<br>Clinton-----    | 100              | Restricted permeability                         | 0.30  | Restricted permeability                        | 0.22  | Too steep for surface application              | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                                       | 0.07  | Restricted permeability                        | 0.22  |
|                          |                  |   |       |  |       | Too acid                                       | 0.07  |
|                          |                  | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope                         | 0.63  | Very limited                                   | 1.00  |
|                          |                  |   |       |  |       | Too steep for surface application              | 1.00  |
| CnE3:<br>Clinton-----    | 100              | 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                        | 0.22  |
|                          |                  |   |       |  |       | Too acid                                       | 0.07  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                             | 1.00  | Very limited                                   | 1.00  |
|                          |                  |   |       |  |       | Too steep for surface application              | 1.00  |
| Co:<br>Colo-----         | 100              | 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                        | 0.22  |
|                          |                  |   |       |  |       | Too acid                                       | 0.07  |
|                          |                  | Very limited Depth to saturated zone (NOV-JUL)  | 1.00  | Very limited Depth to saturated zone (NOV-JUL) | 1.00  | Very limited Depth to saturated zone (NOV-JUL) | 1.00  |
|                          |                  | Leaching limitation                             | 0.70  | Flooding                                       | 1.00  | Flooding                                       | 0.60  |
| Cs:<br>Colo-----         | 100              | 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  |
|                          |                  | Leaching limitation                             | 0.70  | Flooding                                       | 1.00  | Flooding                                       | 0.60  |
|                          |                  |   |       |  |       |  |       |
|                          |                  |   |       |  |       |  |       |

Agricultural Waste Management

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Iowa 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                |
| Ct:<br>Colo-----         | 50               | Flooding   | 0.60  |  |       |  |                      |
|                          |                  | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL)   | 1.00                 |
|                          |                  | Leaching limitation                                  | 0.70  | Flooding   | 1.00  | Flooding   | 0.60                 |
|                          |                  | Flooding   | 0.60  |  |       |  |                      |
| Ely-----                 | 40               | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL)   | 1.00                 |
| Cu:<br>Coppock-----      | 95               | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to saturated zone<br>(NOV-JUL)   | 1.00                 |
|                          |                  | Flooding   | 0.60  | Flooding   | 1.00  | Flooding   | 0.60                 |
| DcA:<br>Dickinson-----   | 100              | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity   | 1.00                 |
| DcB:<br>Dickinson-----   | 100              | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity<br>Too steep for surface application  | 1.00<br>0.08         |
| DcC:<br>Dickinson-----   | 100              | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity                   | 1.00  | Very limited<br>Filtering capacity<br>Too steep for surface application<br>Too steep for sprinkler application | 1.00<br>0.92<br>0.02 |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |       | Application<br>of sewage sludge       |       | Disposal of<br>wastewater<br>by irrigation   |                          |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|--|--------------------------|
|                             |                           | Rating class and<br>limiting features                  | Value | Rating class and<br>limiting features | Value | Rating class and<br>limiting features  | Value                    |
| DdB:<br>Dinsdale-----       | 100                       | Somewhat limited<br>Too acid                           | 0.02  | Somewhat limited<br>Too acid          | 0.07  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid  | 0.08<br><br>0.07         |
| DdC:<br>Dinsdale-----       | 100                       | Somewhat limited<br>Too acid                           | 0.02  | Somewhat limited<br>Too acid          | 0.07  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.07<br>0.02 |
| DoB:<br>Downs-----          | 100                       | Somewhat limited<br>Too acid                           | 0.02  | Somewhat limited<br>Too acid          | 0.07  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid  | 0.08<br><br>0.07         |
| DoC:<br>Downs-----          | 100                       | Somewhat limited<br>Too acid                           | 0.02  | Somewhat limited<br>Too acid          | 0.07  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.07<br>0.02 |
| DoC2:<br>Downs-----         | 100                       | Somewhat limited<br>Too acid                           | 0.02  | Somewhat limited<br>Too acid          | 0.07  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.07<br>0.02 |
| DoD2:<br>Downs-----         | 100                       | Somewhat limited                                       |       | Somewhat limited                      |       | Very limited   |                          |

Agricultural Waste Management

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Iowa 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   | 0.63  | Slope                              | 0.63  | Too steep for surface application                  | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application                | 0.78  |
|                          |                  |   |       |                                    |       | Too acid   | 0.07  |
| DoE2:<br>Downs-----      | 100              | 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  |
| DpB:<br>Downs-----       | 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  |
| DsD3:<br>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                | 0.78  |
|                          |                  |   |       |                                    |       | Too acid   | 0.07  |
| DsE3:<br>Downs-----      | 100              | 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  |
| EsB:<br>Ely-----         | 95               | Very limited                                    |       | Very limited                       |       | Very limited                                       |       |

Agricultural Waste Management

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Iowa 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                |
| FaB:<br>Fayette-----     | 100              | Depth to saturated zone (NOV-JUL)               | 1.00  | Depth to saturated zone (NOV-JUL)  | 1.00  | Depth to saturated zone (NOV-JUL)  | 1.00                 |
|                          |                  | Somewhat limited<br>Too acid                    | 0.02  | Somewhat limited<br>Too acid       | 0.07  | Too steep for surface application<br>Too acid  | 0.08<br>0.07         |
| FaC:<br>Fayette-----     | 100              | Somewhat limited<br>Too acid                    | 0.02  | Somewhat limited<br>Too acid       | 0.07  | Somewhat limited<br>Too steep for surface application<br>Too acid  | 0.08<br>0.07         |
|                          |                  | Somewhat limited<br>Too acid                    | 0.02  | Somewhat limited<br>Too acid       | 0.07  | Too steep for surface application<br>Too acid<br>Too steep for sprinkler application                     | 0.92<br>0.07<br>0.02 |
| FaC2:<br>Fayette-----    | 100              | Somewhat limited<br>Too acid                    | 0.02  | Somewhat limited<br>Too acid       | 0.07  | Somewhat limited<br>Too steep for surface application<br>Too acid<br>Too steep for sprinkler application | 0.92<br>0.07<br>0.02 |
|                          |                  | Somewhat limited<br>Slope                       | 0.63  | Somewhat limited<br>Slope          | 0.63  | Very limited<br>Too steep for surface application<br>Too steep for sprinkler application<br>Too acid     | 1.00<br>0.78<br>0.07 |
| FaD:<br>Fayette-----     | 100              | Somewhat limited<br>Slope                       | 0.63  | Somewhat limited<br>Slope          | 0.63  | Very limited<br>Too steep for surface application<br>Too steep for sprinkler application<br>Too acid     | 1.00<br>0.78<br>0.07 |
|                          |                  | Somewhat limited                                |       | Somewhat limited                   |       | Very limited   |                      |
| FaD2:<br>Fayette-----    | 100              | Somewhat limited                                |       | Somewhat limited                   |       | Very limited   |                      |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |       | Application<br>of sewage sludge       |       | Disposal of<br>wastewater<br>by irrigation                |              |
|-----------------------------|---------------------------|--|-------|---------------------------------------|-------|---|--------------|
|                             |                           | Rating class and<br>limiting features                  | Value | Rating class and<br>limiting features | Value | Rating class and<br>limiting features                     | Value        |
| FaE:<br>Fayette-----        | 100                       | Slope  | 0.63  | Slope                                 | 0.63  | Too steep for<br>surface<br>application                   | 1.00         |
|                             |                           | Too acid   | 0.02  | Too acid                              | 0.07  | Too steep for<br>sprinkler<br>application<br>Too acid     | 0.78<br>0.07 |
| FaE2:<br>Fayette-----       | 100                       | Very limited<br>Slope                                  | 1.00  | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>surface<br>application   | 1.00         |
|                             |                           | Too acid   | 0.02  | Too acid                              | 0.07  | Too steep for<br>sprinkler<br>application<br>Too acid     | 1.00<br>0.07 |
| FaF:<br>Fayette-----        | 100                       | Very limited<br>Slope                                  | 1.00  | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>sprinkler<br>application | 1.00         |
|                             |                           | Too acid   | 0.02  | Too acid                              | 0.07  | Too steep for<br>surface<br>application<br>Too acid       | 1.00<br>0.07 |
| FaF2:<br>Fayette-----       | 100                       | Very limited<br>Slope                                  | 1.00  | Very limited<br>Slope                 | 1.00  | Very limited<br>Too steep for<br>sprinkler<br>application | 1.00         |
|                             |                           | Too acid   | 0.02  | Too acid                              | 0.07  | Too steep for<br>surface<br>application<br>Too acid       | 1.00<br>0.07 |

Agricultural Waste Management

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larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Iowa 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        |
| FaG:<br>Fayette-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for sprinkler application               | 1.00         |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application<br>Too acid                  | 1.00<br>0.07 |
| FbB:<br>Fayette-----     | 100              | Somewhat limited Too acid                       | 0.02  | Somewhat limited Too acid          | 0.07  | Somewhat limited Too steep for surface application<br>Too acid | 0.08<br>0.07 |
|                          |                  |   |       |                                    |       |  |              |
| FsD3:<br>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<br>Too acid                | 0.78<br>0.07 |
| FsE3:<br>Fayette-----    | 100              | 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<br>Too acid                | 1.00<br>0.07 |
| FsF3:<br>Fayette-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for sprinkler application               | 1.00         |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application<br>Too acid                  | 1.00<br>0.07 |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |       | Application<br>of sewage sludge                |       | Disposal of<br>wastewater<br>by irrigation   |                          |
|-----------------------------|---------------------------|--|-------|--|-------|--|--------------------------|
|                             |                           | Rating class and<br>limiting features                  | Value | Rating class and<br>limiting features          | Value | Rating class and<br>limiting features  | Value                    |
| GaC2:<br>Gara-----          | 100                       | Somewhat limited<br>Restricted<br>permeability         | 0.30  | Somewhat limited<br>Restricted<br>permeability | 0.22  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Restricted<br>permeability<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.22<br>0.02 |
| GaD2:<br>Gara-----          | 100                       | Somewhat limited<br>Slope                              | 0.63  | Somewhat limited<br>Slope                      | 0.63  | Very limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application<br>Restricted<br>permeability     | 1.00<br><br>0.78<br>0.22 |
| GaE2:<br>Gara-----          | 100                       | Very limited<br>Slope                                  | 1.00  | Very limited<br>Slope                          | 1.00  | Very limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application<br>Restricted<br>permeability     | 1.00<br><br>1.00<br>0.22 |
| GaF2:<br>Gara-----          | 100                       | Very limited<br>Slope                                  | 1.00  | Very limited<br>Slope                          | 1.00  | Very limited<br>Too steep for<br>sprinkler<br>application<br>Too steep for<br>surface<br>application<br>Restricted<br>permeability     | 1.00<br><br>1.00<br>0.22 |
| GrD3:<br>Gara-----          | 100                       | Somewhat limited                                       |       | Somewhat limited                               |       | Very limited   |                          |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste  |       | Application<br>of sewage sludge                         |       | Disposal of<br>wastewater<br>by irrigation                |       |
|-----------------------------|---------------------------|---|-------|---|-------|---|-------|
|                             |                           | Rating class and<br>limiting features                   | Value | Rating class and<br>limiting features                   | Value | Rating class and<br>limiting features                     | Value |
| GrE3:<br>Gara-----          | 100                       | Slope   | 0.63  | Slope   | 0.63  | Too steep for<br>surface<br>application                   | 1.00  |
|                             |                           | Restricted<br>permeability                              | 0.30  | Restricted<br>permeability                              | 0.22  | Too steep for<br>sprinkler<br>application                 | 0.78  |
|                             |                           |   |       |   |       | Restricted<br>permeability                                | 0.22  |
|                             |                           | Very limited<br>Slope                                   | 1.00  | Very limited<br>Slope                                   | 1.00  | Very limited<br>Too steep for<br>surface<br>application   | 1.00  |
| GrF3:<br>Gara-----          | 100                       | Restricted<br>permeability                              | 0.30  | Restricted<br>permeability                              | 0.22  | Too steep for<br>sprinkler<br>application                 | 1.00  |
|                             |                           |   |       |   |       | Restricted<br>permeability                                | 0.22  |
|                             |                           | Very limited<br>Slope                                   | 1.00  | Very limited<br>Slope                                   | 1.00  | Very limited<br>Too steep for<br>sprinkler<br>application | 1.00  |
|                             |                           | Restricted<br>permeability                              | 0.30  | Restricted<br>permeability                              | 0.22  | Too steep for<br>surface<br>application                   | 1.00  |
| Gs:<br>Givin-----           | 95                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)   | 1.00  |
|                             |                           | Restricted<br>permeability                              | 0.30  | Restricted<br>permeability                              | 0.22  | Restricted<br>permeability                                | 0.22  |
|                             |                           |   |       |   |       |   |       |
|                             |                           |   |       |   |       |   |       |
| Gu:<br>Gullied Land-----    | 100                       | Not rated   |       | Not rated   |       | Not rated   |       |

Agricultural Waste Management

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Iowa 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                            |
| HaA:<br>Hagener-----     | 100              | Very limited<br>Filtering capacity<br>Droughty<br>Leaching limitation                  | 1.00<br>0.73<br>0.45                 | Very limited<br>Filtering capacity<br>Droughty              | 1.00<br>0.73             | Very limited<br>Filtering capacity<br>Droughty   | 1.00<br>0.73                     |
| HaB:<br>Hagener-----     | 100              | Very limited<br>Filtering capacity<br>Droughty<br>Leaching limitation                  | 1.00<br>0.73<br>0.45                 | Very limited<br>Filtering capacity<br>Droughty              | 1.00<br>0.73             | Very limited<br>Filtering capacity<br>Droughty<br>Too steep for surface application  | 1.00<br>0.73<br>0.08             |
| HaC:<br>Hagener-----     | 100              | Very limited<br>Filtering capacity<br>Droughty<br><br>Leaching limitation              | 1.00<br>0.73<br><br>0.45             | Very limited<br>Filtering capacity<br>Droughty              | 1.00<br>0.73             | Very limited<br>Filtering capacity<br>Too steep for surface application<br>Droughty<br><br>Too steep for sprinkler application | 1.00<br>0.92<br>0.73<br>0.02     |
| HaD:<br>Hagener-----     | 100              | Very limited<br>Filtering capacity<br><br>Droughty<br>Slope<br><br>Leaching limitation | 1.00<br><br>0.73<br>0.63<br><br>0.45 | Very limited<br>Filtering capacity<br><br>Droughty<br>Slope | 1.00<br><br>0.73<br>0.63 | Very limited<br>Too steep for surface application<br>Filtering capacity<br>Too steep for sprinkler application<br>Droughty     | 1.00<br><br>1.00<br>0.78<br>0.73 |
| HaE:<br>Hagener-----     | 100              | Very limited<br>Slope  | 1.00                                 | Very limited<br>Slope                                       | 1.00                     | Very limited<br>Too steep for surface application  | 1.00                             |

Agricultural Waste Management

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Iowa 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 |
| HgB:<br>Hagener-----     | 50               | Filtering capacity                              | 1.00  | Filtering capacity                 | 1.00  | Too steep for sprinkler application                | 1.00  |
|                          |                  | Droughty  | 0.73  | Droughty                           | 0.73  | Filtering capacity                                 | 1.00  |
|                          |                  | Leaching limitation                             | 0.45  |                                    |       | Droughty   | 0.73  |
|                          |                  | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Filtering capacity                                 | 1.00  |
| Tama-----                | 40               | Droughty  | 0.73  | Droughty                           | 0.73  | Droughty   | 0.73  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Too steep for surface application                  | 0.08  |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid   | 0.07  |
|                          |                  | Somewhat limited Too acid                       | 0.02  | Somewhat limited Too acid          | 0.07  | Somewhat limited Too steep for surface application | 0.08  |
| HgC:<br>Hagener-----     | 50               | Too acid  | 0.02  |                                    |       | Too acid   | 0.07  |
|                          |                  | Very limited Filtering capacity                 | 1.00  | Very limited Filtering capacity    | 1.00  | Filtering capacity                                 | 1.00  |
|                          |                  | Droughty  | 0.73  | Droughty                           | 0.73  | Too steep for surface application                  | 0.92  |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty   | 0.73  |
| Tama-----                | 40               | Too acid  | 0.02  |                                    |       | Too acid   | 0.07  |
|                          |                  | Somewhat limited Too acid                       | 0.02  | Somewhat limited Too acid          | 0.07  | Too steep for sprinkler application                | 0.02  |
|                          |                  |   |       |                                    |       | Too acid   | 0.07  |
|                          |                  | Somewhat limited Too acid                       | 0.02  | Somewhat limited Too acid          | 0.07  | Too steep for surface application                  | 0.92  |
| Tama-----                | 40               |   |       |                                    |       | Too steep for surface application                  | 0.92  |
|                          |                  |   |       |                                    |       | Too acid   | 0.07  |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application                | 0.02  |
|                          |                  |   |       |                                    |       |  |       |

Agricultural Waste Management

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Iowa 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                            |
| HgC2:<br>Hagener-----    | 50               | Very limited<br>Filtering capacity<br>Droughty          | 1.00<br><br>0.73         | Very limited<br>Filtering capacity<br>Droughty          | 1.00<br><br>0.73         | Very limited<br>Filtering capacity<br>Too steep for surface application<br>Droughty  | 1.00<br><br>0.92<br><br>0.73     |
|                          |                  | Leaching limitation<br>Too acid                         | 0.45<br>0.02             | Too acid  | 0.07                     | Too acid<br>Too steep for sprinkler application  | 0.07<br>0.02                     |
| Tama-----                | 40               | Somewhat limited<br>Too acid                            | 0.02                     | Somewhat limited<br>Too acid                            | 0.07                     | Somewhat limited<br>Too steep for surface application<br>Too acid<br>Too steep for sprinkler application                   | 0.92<br><br>0.07<br>0.02         |
| HgD2:<br>Hagener-----    | 50               | Very limited<br>Filtering capacity<br>Droughty<br>Slope | 1.00<br><br>0.73<br>0.63 | Very limited<br>Filtering capacity<br>Droughty<br>Slope | 1.00<br><br>0.73<br>0.63 | Very limited<br>Too steep for surface application<br>Filtering capacity<br>Too steep for sprinkler application<br>Droughty | 1.00<br><br>1.00<br>0.78<br>0.73 |
|                          |                  | Leaching limitation<br>Too acid                         | 0.45<br>0.02             | Too acid  | 0.07                     | Too acid   | 0.07                             |
| Tama-----                | 40               | Somewhat limited<br>Slope<br><br>Too acid               | 0.63<br><br>0.02         | Somewhat limited<br>Slope<br><br>Too acid               | 0.63<br><br>0.07         | Very limited<br>Too steep for surface application<br>Too steep for sprinkler application<br>Too acid                       | 1.00<br><br>0.78<br>0.07         |
| HgE2:<br>Hagener-----    | 50               | Very limited  |                          | Very limited  |                          | Very limited   |                                  |

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Iowa 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        |
| Tama-----                | 40               | Slope   | 1.00  | Slope                              | 1.00  | Too steep for surface application   | 1.00         |
|                          |                  | Filtering capacity                              | 1.00  | Filtering capacity                 | 1.00  | Too steep for sprinkler application   | 1.00         |
|                          |                  | Droughty  | 0.73  | Droughty                           | 0.73  | Filtering capacity  | 1.00         |
|                          |                  | Leaching limitation                             | 0.45  | Too acid                           | 0.07  | Droughty  | 0.73         |
|                          |                  | Too acid  | 0.02  |                                    |       | Too acid  | 0.07         |
| Tama-----                | 40               | 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<br>Too acid                                       | 1.00<br>0.07 |
| HoD2:<br>Hopper-----     | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope             | 0.63  | Very limited Too steep for surface application<br>Too steep for sprinkler application | 1.00<br>0.78 |
| HoE2:<br>Hopper-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for surface application<br>Too steep for sprinkler application | 1.00<br>1.00 |
| HoE3:<br>Hopper-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for surface application<br>Too steep for sprinkler application | 1.00<br>1.00 |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste                           |                  | Application<br>of sewage sludge  |                  | Disposal of<br>wastewater<br>by irrigation   |                  |
|-----------------------------|---------------------------|--|------------------|--|------------------|--|------------------|
|                             |                           | Rating class and<br>limiting features  | Value            | Rating class and<br>limiting features  | Value            | Rating class and<br>limiting features  | Value            |
| HoF2:<br>Hopper-----        | 100                       | Very limited<br>Slope  | 1.00             | Very limited<br>Slope  | 1.00             | Very limited<br>Too steep for<br>sprinkler<br>application<br>Too steep for<br>surface<br>application     | 1.00<br><br>1.00 |
| Ja:<br>Jackson-----         | 95                        | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Filtering<br>capacity | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Filtering<br>capacity | 1.00<br><br>1.00 | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)<br>Filtering<br>capacity                         | 1.00<br><br>1.00 |
| JuB:<br>Judson-----         | 100                       | Not limited  |                  | Not limited  |                  | Somewhat limited<br>Too steep for<br>surface<br>application  | 0.08             |
| KnB:<br>Kenyon-----         | 100                       | Not limited  |                  | Not limited  |                  | Somewhat limited<br>Too steep for<br>surface<br>application  | 0.08             |
| KnC:<br>Kenyon-----         | 100                       | Not limited  |                  | Not limited  |                  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.02 |
| KnC2:<br>Kenyon-----        | 100                       | Not limited  |                  | Not limited  |                  | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.02 |

Agricultural Waste Management

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Iowa 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  |
| KnD2:<br>Kenyon-----     | 100              | Somewhat limited Slope  | 0.63                             | Somewhat limited Slope  | 0.63                             | Very limited<br>Too steep for surface application<br>Too steep for sprinkler application   | 1.00<br><br>0.78                                 |
| Ko:<br>Keomah-----       | 95               | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Restricted permeability<br>Too acid              | 1.00<br><br>0.89<br>0.02         | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Restricted permeability<br>Too acid          | 1.00<br><br>0.78<br>0.07         | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Restricted permeability<br>Too acid   | 1.00<br><br>0.78<br>0.07                         |
| KsD2:<br>Keswick-----    | 100              | Very limited<br>Restricted permeability<br><br>Depth to saturated zone (NOV-JUL)<br>Slope<br>Too acid | 1.00<br><br>1.00<br>0.63<br>0.08 | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Restricted permeability<br>Slope<br>Too acid | 1.00<br><br>1.00<br>0.63<br>0.31 | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Too steep for surface application<br>Restricted permeability<br>Too steep for sprinkler application<br>Too acid | 1.00<br><br>1.00<br>1.00<br>0.78<br>0.31         |
| KsE2:<br>Keswick-----    | 100              | Very limited<br>Restricted permeability<br><br>Depth to saturated zone (NOV-JUL)<br>Slope<br>Too acid | 1.00<br><br>1.00<br>1.00<br>0.08 | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Restricted permeability<br>Slope<br>Too acid | 1.00<br><br>1.00<br>1.00<br>0.31 | Very limited<br>Depth to saturated zone (NOV-JUL)<br>Too steep for surface application<br>Too steep for sprinkler application<br>Restricted permeability<br>Too acid | 1.00<br><br>1.00<br>1.00<br>1.00<br>1.00<br>0.31 |

Agricultural Waste Management

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Iowa 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        |
| KsF2:<br>Keswick-----    | 100              | Very limited Slope                              | 1.00  | Very limited Depth to saturated zone (NOV-JUL) | 1.00  | Very limited Too steep for sprinkler application | 1.00         |
|                          |                  | Restricted permeability                         | 1.00  | Slope  | 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         |
|                          |                  | Too acid  | 0.08  | Too acid                                       | 0.31  | Restricted permeability<br>Too acid              | 1.00<br>0.31 |
| KwD3:<br>Keswick-----    | 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  | 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<br>Too acid  | 0.78<br>0.31 |
| KwE3:<br>Keswick-----    | 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  | Restricted permeability                        | 1.00  | Too steep for surface application                | 1.00         |
|                          |                  | Slope   | 1.00  | Slope  | 1.00  | Too steep for sprinkler application              | 1.00         |
|                          |                  | Too acid  | 0.08  | Too acid                                       | 0.31  | Restricted permeability<br>Too acid              | 1.00<br>0.31 |
| KwF3:<br>Keswick-----    | 100              | Very limited                                    |       | Very limited                                   |       | Very limited                                     |              |

Agricultural Waste Management

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Iowa 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  | Depth to saturated zone (NOV-JUL)              | 1.00  | Too steep for sprinkler application                | 1.00  |
|                          |                  | Restricted permeability                         | 1.00  | Slope  | 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  |
|                          |                  | Too acid  | 0.08  | Too acid                                       | 0.31  | Restricted permeability                            | 1.00  |
| Kz:<br>Koszta-----       | 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  | Flooding                                       | 0.40  | Too acid   | 0.07  |
|                          |                  |   |       | Too acid                                       | 0.07  |  |       |
| LaB:<br>Ladoga-----      | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability       | 0.22  | Somewhat limited Restricted permeability           | 0.22  |
|                          |                  |   |       |  |       | Too steep for surface application                  | 0.08  |
| LaC:<br>Ladoga-----      | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability       | 0.22  | Somewhat limited Too steep for surface application | 0.92  |
|                          |                  |   |       |  |       | Restricted permeability                            | 0.22  |
|                          |                  |   |       |  |       | Too steep for sprinkler application                | 0.02  |
| LaC2:<br>Ladoga-----     | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability       | 0.22  | Somewhat limited Too steep for surface application | 0.92  |
|                          |                  |   |       |  |       | Restricted permeability                            | 0.22  |

Agricultural Waste Management

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Iowa 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 |
| LaD:<br>Ladoga-----      | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope                   | 0.63  | Too steep for sprinkler application  | 0.02  |
|                          |                  |   |       |  |       | Very limited                         |       |
|                          |                  |   |       |  |       | Too steep for surface application    | 1.00  |
| LaD2:<br>Ladoga-----     | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope                   | 0.63  | Too steep for sprinkler application  | 0.78  |
|                          |                  |   |       |  |       | Restricted permeability              | 0.22  |
|                          |                  |   |       |  |       | Restricted permeability              | 0.22  |
| LaD2:<br>Ladoga-----     | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope                   | 0.63  | Very limited                         |       |
|                          |                  |   |       |  |       | Too steep for surface application    | 1.00  |
|                          |                  |   |       |  |       | Too steep for sprinkler application  | 0.78  |
| LaE2:<br>Ladoga-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                       | 1.00  | Restricted permeability              | 0.22  |
|                          |                  |   |       |  |       | Restricted permeability              | 0.22  |
|                          |                  |   |       |  |       | Restricted permeability              | 0.22  |
| LbB:<br>Ladoga-----      | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Very limited                         |       |
|                          |                  |   |       |  |       | Too steep for surface application    | 1.00  |
|                          |                  |   |       |  |       | Restricted permeability              | 0.22  |
| LdD3:<br>Ladoga-----     | 100              | Somewhat limited                                |       | Somewhat limited                         |       | Restricted permeability              | 0.22  |
|                          |                  |   |       |  |       | Too steep for surface application    | 0.08  |
|                          |                  |   |       |  |       | Very limited                         |       |

Agricultural Waste Management

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Iowa 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        |  |              |  |              |  |              |
| LdE3:<br>Ladoga-----     | 100              | Slope  | 0.63         | Slope  | 0.63         | Too steep for surface application                                    | 1.00         |  |              |  |              |  |              |
|                          |                  | Restricted permeability  | 0.30         | Restricted permeability  | 0.22         | Too steep for sprinkler application                                  | 0.78         |  |              |  |              |  |              |
|                          |                  |  |              |  |              | Restricted permeability  | 0.22         |  |              |  |              |  |              |
|                          |                  | Very limited Slope   | 1.00         | Very limited Slope   | 1.00         | Very limited Too steep for surface application                       | 1.00         |  |              |  |              |  |              |
| Restricted permeability  | 0.30             | Restricted permeability  | 0.22         | Too steep for sprinkler application<br>Restricted permeability       | 1.00<br>0.22 |  |              |  |              |  |              |  |              |
| Le:<br>Lawler-----       | 95               | Very limited Filtering capacity<br>Depth to saturated zone (NOV-JUL) | 1.00<br>1.00 | Very limited Filtering capacity<br>Depth to saturated zone (NOV-JUL) | 1.00<br>1.00 | Very limited Filtering capacity<br>Depth to saturated zone (NOV-JUL) | 1.00<br>1.00 |  |              |  |              |  |              |
|                          |                  |  |              |  |              |  |              | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding | 1.00<br>0.60 | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding | 1.00<br>1.00 | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding | 1.00<br>0.60 |
|                          |                  |  |              |  |              |  |              |  |              |  |              |  |              |
| Lh:<br>Lawson-----       | 95               | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding           | 1.00<br>0.60 | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding           | 1.00<br>1.00 | Very limited Depth to saturated zone (NOV-JUL)<br>Flooding           | 1.00<br>0.60 |  |              |  |              |  |              |
|                          |                  |  |              |  |              |  |              | Somewhat limited Slope                                     | 0.63         | Somewhat limited Slope                                     | 0.63         | Very limited Too steep for surface application             | 1.00         |
|                          |                  |  |              |  |              |  |              |  |              |  |              |  |              |
| LnD2:<br>Lindley-----    | 100              | Somewhat limited Slope   | 0.63         | Somewhat limited Slope   | 0.63         | Very limited Too steep for surface application                       | 1.00         |  |              |  |              |  |              |
|                          |                  |  |              |  |              |  |              | Too acid   | 0.08         | Restricted permeability                                    | 0.22         | Too acid   | 0.31         |
|                          |                  |  |              |  |              |  |              |  |              |  |              | Restricted permeability                                    | 0.22         |

Agricultural Waste Management

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Iowa 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 |
| LnE2:<br>Lindley-----    | 100              | 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   | 0.31  |
| LnF:<br>Lindley-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for sprinkler application | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Too acid                           | 0.31  | Too steep for surface application                | 1.00  |
|                          |                  | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid   | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability                          | 0.22  |
| LnF2:<br>Lindley-----    | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for sprinkler application | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Too acid                           | 0.31  | Too steep for surface application                | 1.00  |
|                          |                  | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid   | 0.31  |
| LnG:<br>Lindley-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited Too steep for sprinkler application | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Too acid                           | 0.31  | Too steep for surface application                | 1.00  |
|                          |                  | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid   | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability                          | 0.22  |

Agricultural Waste Management

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Iowa 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 |
| LsD3:<br>Lindley-----    | 100              | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid                             | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability              | 0.22  |
|                          |                  | 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  |
| LsE3:<br>Lindley-----    | 100              | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid                             | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability              | 0.22  |
|                          |                  | 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  |
| LsF3:<br>Lindley-----    | 100              | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid                             | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability              | 0.22  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         |       |
|                          |                  |   |       |                                    |       | Too steep for sprinkler application  | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Too acid                           | 0.31  | Too steep for surface application    | 1.00  |
| Ma:<br>Mahaska-----      | 95               | Too acid  | 0.08  | Restricted permeability            | 0.22  | Too acid                             | 0.31  |
|                          |                  |   |       |                                    |       | Restricted permeability              | 0.22  |
|                          |                  | Very limited                                    |       | Very limited                       |       | Very limited                         |       |
|                          |                  |   |       |                                    |       |                                      |       |

Agricultural Waste Management

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Iowa 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 |
| Mu:<br>Muscatine-----    | 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  |
|                          |                  | Too acid  | 0.02  | Too acid                                       | 0.07  | Too acid                                       | 0.07  |
| Nc:<br>Nevin-----        | 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 acid                                       | 0.07  |
| Nd:<br>Nodaway-----      | 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                                       | 0.40  | Flooding                                       | 0.60  |
| Nh:<br>Nodaway-----      | 90               | Somewhat limited Flooding                       | 0.60  | Very limited Flooding                          | 1.00  | Somewhat limited Flooding                      | 0.60  |
|                          |                  | Very limited Flooding                           | 1.00  | Very limited Flooding                          | 1.00  | Very limited Flooding                          | 1.00  |
| Ns:<br>Nodaway-----      | 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  |
| Nx:<br>Nodaway-----      | 50               | Somewhat limited Flooding                       | 0.60  | Very limited Flooding                          | 1.00  | Somewhat limited Flooding                      | 0.60  |
|                          |                  | Too acid  | 0.02  | Too acid                                       | 0.07  | Too acid                                       | 0.07  |
| Ely-----                 | 40               | 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  |

Agricultural Waste Management

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |                  | Application<br>of sewage sludge           |                  | Disposal of<br>wastewater<br>by irrigation   |                          |
|-----------------------------|---------------------------|--|------------------|---|------------------|--|--------------------------|
|                             |                           | Rating class and<br>limiting features                  | Value            | Rating class and<br>limiting features     | Value            | Rating class and<br>limiting features  | Value                    |
| OcB:<br>Otley-----          | 100                       | Somewhat limited<br>Too acid                           | 0.02             | Somewhat limited<br>Too acid              | 0.07             | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid  | 0.08<br><br>0.07         |
| OcC:<br>Otley-----          | 100                       | Somewhat limited<br>Too acid                           | 0.02             | Somewhat limited<br>Too acid              | 0.07             | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.07<br>0.02 |
| OcC2:<br>Otley-----         | 100                       | Somewhat limited<br>Too acid                           | 0.02             | Somewhat limited<br>Too acid              | 0.07             | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too acid<br>Too steep for<br>sprinkler<br>application | 0.92<br><br>0.07<br>0.02 |
| OcD2:<br>Otley-----         | 100                       | Somewhat limited<br>Slope<br><br>Too acid              | 0.63<br><br>0.02 | Somewhat limited<br>Slope<br><br>Too acid | 0.63<br><br>0.07 | Very limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application<br>Too acid     | 1.00<br><br>0.78<br>0.07 |
| OcD3:<br>Otley-----         | 100                       | Somewhat limited<br>Slope<br><br>Too acid              | 0.63<br><br>0.02 | Somewhat limited<br>Slope<br><br>Too acid | 0.63<br><br>0.07 | Very limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application<br>Too acid     | 1.00<br><br>0.78<br>0.07 |

Agricultural Waste Management

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Iowa 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 |
| OcE2:<br>Otley-----      | 100              | 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  |
| OtB:<br>Otley-----       | 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  |
| ShC:<br>Shelby-----      | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Somewhat limited Too steep for surface application | 0.92  |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Restricted permeability                            | 0.22  |
|                          |                  |   |       |  |       | Too acid   | 0.07  |
|                          |                  |   |       |  |       | Too steep for sprinkler application                | 0.02  |
| ShC2:<br>Shelby-----     | 100              | Somewhat limited Restricted permeability        | 0.30  | Somewhat limited Restricted permeability | 0.22  | Somewhat limited Too steep for surface application | 0.92  |
|                          |                  | Too acid  | 0.02  | Too acid                                 | 0.07  | Restricted permeability                            | 0.22  |
|                          |                  |   |       |  |       | Too acid   | 0.07  |
|                          |                  |   |       |  |       | Too steep for sprinkler application                | 0.02  |
| ShD2:<br>Shelby-----     | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope                   | 0.63  | Very limited Too steep for surface application     | 1.00  |

Agricultural Waste Management

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Iowa 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 |
| ShE2:<br>Shelby-----     | 100              | 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              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Restricted permeability            | 0.22  | Too steep for surface application    | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application  | 1.00  |
| ShF2:<br>Shelby-----     | 100              | Restricted permeability                         | 0.30  | Restricted permeability            | 0.22  | Restricted permeability              | 0.22  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too acid                             | 0.07  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         | 1.00  |
|                          |                  | Restricted permeability                         | 0.30  | Restricted permeability            | 0.22  | Too steep for sprinkler application  | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application    | 1.00  |
|                          |                  |   |       |                                    |       | Restricted permeability              | 0.22  |
| SoD3:<br>Shelby-----     | 100              | Somewhat limited Slope                          | 0.63  | Somewhat limited Slope             | 0.63  | 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              | 0.22  |
|                          |                  | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Too acid                             | 0.07  |
|                          |                  | Restricted permeability                         | 0.30  | Restricted permeability            | 0.22  | Very limited                         | 1.00  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application    | 1.00  |
| SoE3:<br>Shelby-----     | 100              | Very limited Slope                              | 1.00  | Very limited Slope                 | 1.00  | Very limited                         | 1.00  |
|                          |                  |   |       |                                    |       | Too steep for surface application    | 1.00  |
|                          |                  |   |       |                                    |       |                                      |       |

Agricultural Waste Management

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Iowa 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 |
| Sp:<br>Sperry-----       | 100              | 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              | 0.22  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  | 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  |
| Sr:<br>Stronghurst-----  | 95               | Ponding   | 1.00  | Ponding                            | 1.00  | Ponding                              | 1.00  |
|                          |                  | Leaching limitation                             | 0.50  |                                    |       |                                      |       |
|                          |                  | Very limited                                    |       | Very limited                       |       | Very limited                         |       |
| St:<br>Stronghurst-----  | 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  |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too acid                             | 0.07  |
|                          |                  | Very limited                                    |       | Very limited                       |       | Very limited                         |       |
| Ta:<br>Taintor-----      | 100              | 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  | Restricted permeability            | 0.22  | Restricted permeability              | 0.22  |
|                          |                  | Restricted permeability                         | 0.30  |                                    |       |                                      |       |
|                          |                  | Very limited                                    |       | Very limited                       |       | Very limited                         |       |
| TcB:<br>Tama-----        | 100              | Somewhat limited                                |       | Somewhat limited                   |       | Somewhat limited                     |       |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for surface application    | 0.08  |

Agricultural Waste Management

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Iowa 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 |
| TcC:<br>Tama-----        | 100              |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  | Somewhat limited                                | 0.02  | Somewhat limited                   | 0.07  | Somewhat limited                     | 0.92  |
|                          |                  | Too acid  |       | Too acid                           |       | Too steep for surface application    | 0.07  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.02  |
| TcC2:<br>Tama-----       | 100              |   |       |                                    |       | Too steep for sprinkler application  |       |
|                          |                  | Somewhat limited                                | 0.02  | Somewhat limited                   | 0.07  | Somewhat limited                     | 0.92  |
|                          |                  | Too acid  |       | Too acid                           |       | Too steep for surface application    | 0.07  |
|                          |                  |   |       |                                    |       | Too acid                             | 0.02  |
| TcD2:<br>Tama-----       | 100              |   |       |                                    |       | Too steep for sprinkler application  |       |
|                          |                  | Somewhat limited                                | 0.63  | Somewhat limited                   | 0.63  | Very limited                         | 1.00  |
|                          |                  | Slope   |       | Slope                              |       | Too steep for surface application    |       |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application  | 0.78  |
| TcD3:<br>Tama-----       | 100              |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  | Somewhat limited                                | 0.63  | Somewhat limited                   | 0.63  | Very limited                         | 1.00  |
|                          |                  | Slope   |       | Slope                              |       | Too steep for surface application    |       |
|                          |                  | Too acid  | 0.02  | Too acid                           | 0.07  | Too steep for sprinkler application  | 0.78  |
| TcE2:<br>Tama-----       | 100              |   |       |                                    |       | Too acid                             | 0.07  |
|                          |                  | Very limited                                    | 1.00  | Very limited                       | 1.00  | Very limited                         | 1.00  |
|                          |                  | Slope   |       | Slope                              |       | Too steep for surface application    |       |

Agricultural Waste Management

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Iowa 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  | 0.02         | Too acid                                       | 0.07         | Too steep for sprinkler application  | 1.00                         |
|                          |                  |   |              |  |              | Too acid   | 0.07                         |
| ThA:<br>Tama-----        | 100              | Somewhat limited<br>Too acid                    | 0.02         | Somewhat limited<br>Too acid                   | 0.07         | Somewhat limited<br>Too acid   | 0.07                         |
| ThB:<br>Tama-----        | 100              | Somewhat limited<br>Too acid                    | 0.02         | Somewhat limited<br>Too acid                   | 0.07         | Somewhat limited<br>Too steep for surface application  | 0.08                         |
|                          |                  |   |              |  |              | Too acid   | 0.07                         |
| TmB:<br>Tell-----        | 100              | Very limited<br>Filtering capacity<br>Too acid  | 1.00<br>0.02 | Very limited<br>Filtering capacity<br>Too acid | 1.00<br>0.07 | Very limited<br>Filtering capacity<br>Too steep for surface application  | 1.00<br>0.08<br>0.07         |
| TmC:<br>Tell-----        | 100              | Very limited<br>Filtering capacity<br>Too acid  | 1.00<br>0.02 | Very limited<br>Filtering capacity<br>Too acid | 1.00<br>0.07 | Very limited<br>Filtering capacity<br>Too steep for surface application<br>Too acid<br>Too steep for sprinkler application | 1.00<br>0.92<br>0.07<br>0.02 |
| TmC2:<br>Tell-----       | 100              | Very limited<br>Filtering capacity<br>Too acid  | 1.00<br>0.02 | Very limited<br>Filtering capacity<br>Too acid | 1.00<br>0.07 | Very limited<br>Filtering capacity<br>Too steep for surface application<br>Too acid  | 1.00<br>0.92<br>0.07         |

Agricultural Waste Management

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Iowa 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        |
| TmD2:<br>Tell-----       | 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   | 0.63  | Slope  | 0.63  | Filtering capacity                              | 1.00         |
|                          |                  | Too acid  | 0.02  | Too acid                                       | 0.07  | Too steep for sprinkler application<br>Too acid | 0.78<br>0.07 |
| Ud:<br>Udolpho-----      | 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         |
|                          |                  | Filtering capacity                              | 1.00  | Filtering capacity                             | 1.00  | Filtering capacity                              | 1.00         |
|                          |                  | Leaching limitation                             | 0.70  | Flooding                                       | 0.40  |   |              |
|                          |                  |   |       |  |       |   |              |
| Wa:<br>Wabash-----       | 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         |
|                          |                  | Ponding   | 1.00  | Flooding                                       | 1.00  | Ponding   | 1.00         |
|                          |                  | Flooding  | 0.60  | Ponding  | 1.00  | Flooding  | 0.60         |
|                          |                  | Runoff limitation                               | 0.40  |  |       |   |              |
| Wb:<br>Walford-----      | 100              | Very limited Depth to saturated zone (NOV-JUL)  | 1.00  | Very limited Depth to saturated zone (NOV-JUL) | 1.00  | Very limited Depth to saturated zone (NOV-JUL)  | 1.00         |
|                          |                  | Leaching limitation                             | 0.70  | Restricted permeability                        | 0.22  | Restricted permeability                         | 0.22         |
|                          |                  | Restricted permeability                         | 0.30  |  |       |   |              |

Agricultural Waste Management

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Iowa 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        |
| WkA:<br>Watkins-----     | 100              | Not limited                                     |       | Somewhat limited<br>Flooding          | 0.40  | Not limited  |              |
| WkB:<br>Watkins-----     | 100              | Not limited                                     |       | Somewhat limited<br>Flooding          | 0.40  | Somewhat limited<br>Too steep for<br>surface<br>application  | 0.08         |
| WmB:<br>Waubeek-----     | 100              | Not limited                                     |       | Not limited                           |       | Somewhat limited<br>Too steep for<br>surface<br>application  | 0.08         |
| WmC2:<br>Waubeek-----    | 100              | Not limited                                     |       | Not limited                           |       | Somewhat limited<br>Too steep for<br>surface<br>application<br>Too steep for<br>sprinkler<br>application | 0.92<br>0.02 |
| WnA:<br>Waukegan-----    | 100              | Very limited<br>Filtering<br>capacity           | 1.00  | Very limited<br>Filtering<br>capacity | 1.00  | Very limited<br>Filtering<br>capacity  | 1.00         |
| WnB:<br>Waukegan-----    | 100              | Very limited<br>Filtering<br>capacity           | 1.00  | Very limited<br>Filtering<br>capacity | 1.00  | Very limited<br>Filtering<br>capacity<br>Too steep for<br>surface<br>application                         | 1.00<br>0.08 |
| WnC:<br>Waukegan-----    | 100              | Very limited<br>Filtering<br>capacity           | 1.00  | Very limited<br>Filtering<br>capacity | 1.00  | Very limited<br>Filtering<br>capacity<br>Too steep for<br>surface<br>application                         | 1.00<br>0.92 |

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Iowa County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit | Application of<br>manure and food-<br>processing waste |       | Application<br>of sewage sludge                         |       | Disposal of<br>wastewater<br>by irrigation                  |       |
|-----------------------------|---------------------------|--|-------|---|-------|---|-------|
|                             |                           | Rating class and<br>limiting features                  | Value | Rating class and<br>limiting features                   | Value | Rating class and<br>limiting features                       | Value |
| WsB:<br>Waukegan-----       | 100                       | Very limited<br>Filtering<br>capacity                  | 1.00  | Very limited<br>Filtering<br>capacity                   | 1.00  | Too steep for<br>sprinkler<br>application                   | 0.02  |
|                             |                           |  |       |   |       | Very limited<br>Filtering<br>capacity                       | 1.00  |
|                             |                           |  |       |   |       | Too steep for<br>surface<br>application                     | 0.08  |
| WsC:<br>Waukegan-----       | 100                       | Very limited<br>Filtering<br>capacity                  | 1.00  | Very limited<br>Filtering<br>capacity                   | 1.00  | Very limited<br>Filtering<br>capacity                       | 1.00  |
|                             |                           |  |       |   |       | Too steep for<br>surface<br>application                     | 0.92  |
|                             |                           |  |       |   |       | Too steep for<br>sprinkler<br>application                   | 0.02  |
| WtA:<br>Wiota-----          | 100                       | Not limited  |       | Somewhat limited<br>Flooding                            | 0.40  | Not limited   |       |
| WtB:<br>Wiota-----          | 100                       | Not limited  |       | Somewhat limited<br>Flooding                            | 0.40  | Somewhat limited<br>Too steep for<br>surface<br>application | 0.08  |
| Zk:<br>Zook-----            | 100                       | Very limited<br>Restricted<br>permeability             | 1.00  | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL) | 1.00  | Very limited<br>Depth to<br>saturated zone<br>(NOV-JUL)     | 1.00  |
|                             |                           | Depth to<br>saturated zone<br>(NOV-JUL)                | 1.00  | Flooding  | 1.00  | Restricted<br>permeability                                  | 1.00  |
|                             |                           | Flooding   | 0.60  | Restricted<br>permeability                              | 1.00  | Flooding  | 0.60  |
|                             |                           | Leaching<br>limitation                                 | 0.50  |   |       |   |       |
| Zo:<br>Zook-----            | 100                       | Very limited   |       | Very limited  |       | Very limited  |       |

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Iowa 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  | Flooding                           | 1.00  | Restricted permeability              | 1.00  |
|                          |                  | Flooding  | 0.60  | Restricted permeability            | 1.00  | Flooding                             | 0.60  |
|                          |                  | Leaching limitation                             | 0.50  |                                    |       |                                      |       |