

(Absence of an entry indicates that no rating is applicable.)

WINDBREAK INTERPRETATIONS

Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |                                       |   |   |              |
|-----------------------------|--|---------------------------------------|---|---|--------------|
|                             | <8   | 8-15                                  | 16-25   | 26-35   | >35          |
| 6:<br>Okoboji-----          | redosier dogwood   | ---                                   | black ash, tall<br>purple willow                                | black willow, golden<br>willow, white<br>willow                         | ---          |
| 28B:<br>Dickman-----        | Siberian peashrub,<br>common lilac                           | eastern redcedar                      | Austrian pine,<br>Russian olive,<br>green ash,<br>honeylocust   | Siberian elm,<br>eastern white pine,<br>jack pine, red pine             | ---          |
| 55:<br>Nicollet-----        | ---  | common lilac,<br>redosier dogwood     | eastern arborvitae,<br>white spruce, Amur<br>maple, blue spruce | Austrian pine,<br>eastern white pine,<br>common hackberry,<br>green ash | silver maple |
| 62C2:<br>Storden-----       | American plum,<br>Siberian peashrub                          | common hackberry,<br>eastern redcedar | Russian olive, green<br>ash, honeylocust                        | Siberian elm  | ---          |
| 62D2:<br>Storden-----       | American plum,<br>Siberian peashrub                          | common hackberry,<br>eastern redcedar | Russian olive, green<br>ash, honeylocust                        | Siberian elm  | ---          |
| 62E2:<br>Storden-----       | American plum,<br>Siberian peashrub                          | common hackberry,<br>eastern redcedar | Russian olive, green<br>ash, honeylocust                        | Siberian elm  | ---          |
| 73B:<br>Salida-----         | ---  | ---                                   | ---   | ---   | ---          |
| 73E:<br>Salida-----         | ---  | ---                                   | ---   | ---   | ---          |
| 90:<br>Okoboji-----         | redosier dogwood   | ---                                   | black ash, tall<br>purple willow                                | black willow, golden<br>willow, white<br>willow                         | ---          |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |   |   |
|-----------------------------|--|--|--|---|---|
|                             | <8   | 8-15   | 16-25  | 26-35   | >35   |
| 95:<br>Harps-----           | ---  | Siberian peashrub,<br>common lilac,<br>eastern arborvitae                | eastern redcedar,<br>bur oak, white<br>spruce, common<br>hackberry                             | green ash, golden<br>willow, honeylocust                                | eastern cottonwood                                |
| 107:<br>Webster-----        | ---  | American plum,<br>cotoneaster,<br>redosier dogwood                       | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 135:<br>Coland-----         | ---  | American plum,<br>cotoneaster,<br>redosier dogwood                       | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 135B:<br>Coland-----        | ---  | American plum,<br>cotoneaster,<br>redosier dogwood                       | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 138B:<br>Clarion-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 138C:<br>Clarion-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |

(Absence of an entry indicates that no rating is applicable.)

Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |   |   |
|-----------------------------|--|--|--|---|---|
|                             | <8   | 8-15   | 16-25  | 26-35   | >35   |
| 138C2:<br>Clarion-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 138D2:<br>Clarion-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 150:<br>Hanska-----         | ---  | American plum,<br>redosier dogwood                                       | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 168B:<br>Hayden-----        | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 168C:<br>Hayden-----        | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 168D2:<br>Hayden-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 168E:<br>Hayden-----        | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |

(Absence of an entry indicates that no rating is applicable.)

Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |  |                             |
|-----------------------------|--|--|--|--|-----------------------------|
|                             | <8   | 8-15   | 16-25  | 26-35  | >35                         |
| 175B:<br>Dickinson-----     | common lilac   | Siberian peashrub,<br>Russian olive,<br>eastern redcedar                 | Amur maple, common<br>hackberry, red<br>pine, eastern white<br>pine, green ash | Norway spruce,<br>honeylocust  | ---                         |
| 221:<br>Palms-----          | common ninebark,<br>silky dogwood                            | American<br>cranberrybush,<br>nannyberry                                 | Black Hills spruce,<br>eastern arborvitae,<br>white spruce                     | Manchurian<br>crabapple, Norway<br>spruce, eastern<br>white pine, green<br>ash | imperial Carolina<br>poplar |
| 224:<br>Linder-----         | ---  | common lilac,<br>redosier dogwood  | eastern arborvitae,<br>white spruce, Amur<br>maple, blue spruce                | Austrian pine,<br>eastern white pine,<br>common hackberry,<br>green ash        | silver maple                |
| 236B:<br>Lester-----        | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine        | ---                         |
| 236C2:<br>Lester-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine        | ---                         |
| 236D2:<br>Lester-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine        | ---                         |
| 236E2:<br>Lester-----       | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine        | ---                         |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of--          |  |  |   |   |
|-----------------------------|---|--|--|---|---|
|                             | <8  | 8-15   | 16-25  | 26-35   | >35   |
| 236F:<br>Lester-----        | ---   | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood                       | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---   |
| 307:<br>Dundas-----         | ---   | Tatarian<br>honeysuckle, common<br>lilac, redosier<br>dogwood                                  | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 321:<br>Boots-----          | common ninebark,<br>nannyberry,<br>redosier dogwood,<br>silky dogwood | American<br>cranberrybush, late<br>lilac, eastern<br>arborvitae                                | white spruce,<br>Japanese tree<br>lilac, Manchurian<br>crabapple                               | Siberian crabapple  | imperial Carolina<br>poplar                       |
| 325:<br>Le Sueur-----       | ---   | common lilac,<br>redosier dogwood  | eastern arborvitae,<br>white spruce, Amur<br>maple, blue spruce                                | Austrian pine,<br>eastern white pine,<br>common hackberry,<br>green ash | silver maple                                      |
| 349:<br>Darfur-----         | ---   | American plum,<br>redosier dogwood   | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 384:<br>Collinwood-----     | ---   | Siberian peashrub,<br>common lilac,<br>cotoneaster,<br>eastern arborvitae,<br>eastern redcedar | bur oak, white<br>spruce, Austrian<br>pine, Russian<br>olive, common<br>hackberry              | eastern white pine,<br>green ash  | ---   |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |   |   |
|-----------------------------|--|--|--|---|---|
|                             | <8   | 8-15   | 16-25  | 26-35   | >35   |
| 384B:<br>Collinwood-----    | ---  | Siberian peashrub,<br>common lilac,<br>cotoneaster,<br>eastern arborvitae,<br>eastern redcedar | bur oak, white<br>spruce, Austrian<br>pine, Russian<br>olive, common<br>hackberry              | eastern white pine,<br>green ash  | ---   |
| 386:<br>Cordova-----        | ---  | American plum,<br>redosier dogwood   | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 390:<br>Waldorf-----        | ---  | American plum,<br>redosier dogwood   | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| 485B:<br>Spillville-----    | ---  | common lilac,<br>redosier dogwood  | eastern arborvitae,<br>white spruce, Amur<br>maple, blue spruce                                | Austrian pine,<br>eastern white pine,<br>common hackberry,<br>green ash | silver maple                                      |
| 507:<br>Canisteo-----       | ---  | Siberian peashrub,<br>common lilac,<br>cotoneaster,<br>eastern arborvitae                      | eastern redcedar,<br>bur oak, white<br>spruce, common<br>hackberry                             | green ash, golden<br>willow, honeylocust                                | eastern cottonwood                                |
| 511:<br>Blue Earth-----     | redosier dogwood   | ---  | black ash, tall<br>purple willow   | golden willow, white<br>willow  | ---   |
| 583:<br>Minnetonka-----     | ---  | American plum,<br>common lilac,<br>redosier dogwood  | Amur maple, eastern<br>arborvitae, white<br>spruce, common                                     | golden willow   | green ash, silver<br>maple, eastern               |
| cottonwood                  |  |  | hackberry, tall<br>purple willow   |   |   |

Windbreaks and Environmental Plantings

FIELD OFFICE TECHNICAL GUIDE Sec. II  
WINDBREAK INTERPRETATIONS

(Absence of an entry indicates that no rating is applicable.)

Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |   |   |
|-----------------------------|--|--|--|---|---|
|                             | <8   | 8-15   | 16-25  | 26-35   | >35   |
| 585B:<br>Coland-----        | ---  | American plum,<br>cotoneaster,<br>redosier dogwood                       | Amur maple, eastern<br>arborvitae, white<br>spruce, common<br>hackberry, tall<br>purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |
| Spillville-----             | ---  | common lilac,<br>redosier dogwood  | eastern arborvitae,<br>white spruce, Amur<br>maple, blue spruce                                | Austrian pine,<br>eastern white pine,<br>common hackberry,<br>green ash                         | silver maple                                      |
| 621:<br>Houghton-----       |  | gray dogwood, common<br>ninebark, silky<br>dogwood                       | Amur privet, common<br>lilac, nannyberry   | eastern arborvitae<br>Siberian crabapple,<br>Norway spruce,<br>eastern white pine,<br>green ash | imperial Carolina<br>poplar                       |
| 638B2:<br>Clarion-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine                         | ---   |
| Storden-----                |  | American plum,<br>Siberian peashrub                                      | common hackberry,<br>eastern redcedar  | Russian olive, green<br>ash, honeylocust  | Siberian elm<br>---                               |
| 638C2:<br>Clarion-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine                         | ---   |
| Storden-----                |  | American plum,<br>Siberian peashrub                                      | common hackberry,<br>eastern redcedar  | Russian olive, green<br>ash, honeylocust  | Siberian elm<br>---                               |
| 638D2:<br>Clarion-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood | eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce                         | Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine                         | ---   |

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Winnebago County, Iowa

| Map symbol<br>and soil name            | Trees having predicted 20-year average height, in feet, of-- |  |  |   |                               |
|--|--|--|--|---|-------------------------------|
|  | <8   | 8-15   | 16-25  | 26-35   | >35                           |
| Storden-----<br>638E2:<br>Clarion----- | American plum,<br>Siberian peashrub<br><br>---               | common hackberry,<br>eastern redcedar<br><br>Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood  | Russian olive, green<br>ash, honeylocust<br><br>eastern arborvitae,<br>eastern redcedar,<br>Amur maple, blue<br>spruce | Siberian elm<br><br>Russian olive,<br>common hackberry,<br>green ash, eastern<br>white pine | ---<br><br>---                |
| Storden-----<br>655:<br>Crippin-----   | American plum,<br>Siberian peashrub<br><br>---               | common hackberry,<br>eastern redcedar<br><br>Siberian peashrub,<br>common lilac,<br>cotoneaster,<br>eastern arborvitae | Russian olive, green<br>ash, honeylocust<br><br>eastern redcedar,<br>white spruce, bur<br>oak, common<br>hackberry     | Siberian elm<br><br>green ash,<br>honeylocust, golden<br>willow                             | ---<br><br>eastern cottonwood |
| 658:<br>Mayer-----                     | ---  | Siberian peashrub,<br>common lilac,<br>eastern arborvitae  | eastern redcedar,<br>bur oak, white<br>spruce, common<br>hackberry   | green ash, golden<br>willow, honeylocust  | eastern cottonwood            |
| 777:<br>Wapsie-----                    | Siberian peashrub,<br>common lilac                           | Manchurian<br>crabapple, common<br>hackberry, eastern<br>redcedar  | Russian olive, bur<br>oak, green ash,<br>eastern white pine,<br>jack pine,<br>honeylocust                              | ---   | ---                           |
| 777B:<br>Wapsie-----                   | Siberian peashrub,<br>common lilac                           | Manchurian<br>crabapple, common<br>hackberry, eastern<br>redcedar  | Russian olive, bur<br>oak, green ash,<br>eastern white pine,<br>jack pine,<br>honeylocust                              | ---   | ---                           |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of--          |   |   |   |                             |
|-----------------------------|---|---|---|---|-----------------------------|
|                             | <8  | 8-15  | 16-25   | 26-35   | >35                         |
| 777C:<br>Wapsie-----        | Siberian peashrub,<br>common lilac                                    | Manchurian<br>crabapple, common<br>hackberry, eastern<br>redcedar | Russian olive, bur<br>oak, green ash,<br>eastern white pine,<br>jack pine,<br>honeylocust | ---   | ---                         |
| 787B:<br>Vinje-----         | gray dogwood, silky<br>dogwood  | American plum,<br>redosier dogwood                                | Amur maple, Russian<br>olive, eastern<br>redcedar   | Norway spruce,<br>common hackberry,<br>red pine | silver maple                |
| 787C2:<br>Vinje-----        | gray dogwood, silky<br>dogwood  | American plum,<br>redosier dogwood                                | Amur maple, Russian<br>olive, eastern<br>redcedar   | Norway spruce,<br>common hackberry,<br>red pine | silver maple                |
| 787D2:<br>Vinje-----        | gray dogwood, silky<br>dogwood  | American plum,<br>redosier dogwood                                | Amur maple, Russian<br>olive, eastern<br>redcedar   | Norway spruce,<br>common hackberry,<br>red pine | silver maple                |
| 811:<br>Muskego-----        | common ninebark,<br>nannyberry,<br>redosier dogwood,<br>silky dogwood | American<br>cranberrybush, late<br>lilac, eastern<br>arborvitae   | white spruce,<br>Japanese tree<br>lilac, Manchurian<br>crabapple                          | Siberian crabapple                              | imperial Carolina<br>poplar |
| 823:<br>Ridgeport-----      | Siberian peashrub,<br>common lilac                                    | Manchurian<br>crabapple, common<br>hackberry, eastern<br>redcedar | Russian olive, bur<br>oak, green ash,<br>eastern white pine,<br>jack pine,<br>honeylocust | ---   | ---                         |
| 823B:<br>Ridgeport-----     | Siberian peashrub,<br>common lilac                                    | Manchurian<br>crabapple, common<br>hackberry, eastern<br>redcedar | Russian olive, bur<br>oak, green ash,<br>eastern white pine,<br>jack pine,<br>honeylocust | ---   | ---                         |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |  |  |   |   |
|-----------------------------|--|--|--|---|---|
|                             | <8   | 8-15   | 16-25  | 26-35   | >35   |
| 836B:<br>Kilkenny-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood       | eastern redcedar,<br>Amur maple, eastern<br>arborvitae, blue<br>spruce             | common hackberry,<br>green ash, Austrian<br>pine, eastern white<br>pine | ---   |
| 836C2:<br>Kilkenny-----     | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood       | eastern redcedar,<br>Amur maple, eastern<br>arborvitae, blue<br>spruce             | common hackberry,<br>green ash, Austrian<br>pine, eastern white<br>pine | ---   |
| 836D2:<br>Kilkenny-----     | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood       | eastern redcedar,<br>Amur maple, eastern<br>arborvitae, blue<br>spruce             | common hackberry,<br>green ash, Austrian<br>pine, eastern white<br>pine | ---   |
| 836E2:<br>Kilkenny-----     | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood       | eastern redcedar,<br>Amur maple, eastern<br>arborvitae, blue<br>spruce             | common hackberry,<br>green ash, Austrian<br>pine, eastern white<br>pine | ---   |
| 836F:<br>Kilkenny-----      | ---  | Siberian peashrub,<br>common lilac, gray<br>dogwood, redosier<br>dogwood       | eastern redcedar,<br>Amur maple, eastern<br>arborvitae, blue<br>spruce             | common hackberry,<br>green ash, Austrian<br>pine, eastern white<br>pine | ---   |
| 855:<br>Shorewood-----      | ---  | Siberian peashrub,<br>common lilac,<br>eastern arborvitae,<br>eastern redcedar | bur oak, white<br>spruce, Austrian<br>pine, Russian<br>olive, common<br>hackberry  | eastern white pine,<br>green ash  | ---   |
| 1133:<br>Colo-----          | ---  | American plum,<br>redosier dogwood   | Amur maple, white<br>fir, white spruce,<br>common hackberry,<br>tall purple willow | golden willow   | green ash, silver<br>maple, eastern<br>cottonwood |

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Winnebago County, Iowa

| Map symbol<br>and soil name | Trees having predicted 20-year average height, in feet, of-- |      |       |       |     |
|-----------------------------|--|------|-------|-------|-----|
|                             | <8   | 8-15 | 16-25 | 26-35 | >35 |
| 2811:<br>Muskego-----       | ---  | ---  | ---   | ---   | --- |
| 5010:<br>Pits-----          | ---  | ---  | ---   | ---   | --- |
| 5040:<br>Orthents-----      | ---  | ---  | ---   | ---   | --- |
| W:<br>Water-----            | ---  | ---  | ---   | ---   | --- |