

# Selected Flora of Orland Grassland with Coefficients of Conservatism

Marnie Baker, Volunteer Steward, Orland Grassland FPCC; Illinois Master Naturalist

Photos by: John Hilty, illinoiswildflowers.info. Orland Grassland is part of the Forest Preserves of Cook County. Input from: Kris DaPra. .Produced by Marnie Baker marnie.baker@gmail.com and Alicia Diaz, Field Museum.

© Field Museum (2020) CC BY-NC 4.0. Licensed works are free to use/share/remix with attribution, but does not permit commercial use of the original work.

[fieldguides.fieldmuseum.org] [1318] versión 1 11/2020

**Coefficients of Conservatism** - A coefficient of conservatism (C) is used as a weighted index along with the Floristic Quality Index (FQI) to provide repeatable measures for conservation/restoration goals. It is an integer ranging from 0 to 10 assigned to each taxon in a regional flora that estimates the fidelity of a species to natural areas (non-native species or ruderal species are assigned 0 or low values, respectively; species known primarily from natural areas are assigned higher values). A low C value for a species indicates an adaptability to disturbed areas and a more widespread distribution. A high C value for a species indicates a more specialized natural habitat is needed.

**Sources:** Wilhelm, Gerould & Rericha, Laura /**Flora of the Chicago Region 2017**. Taft, John B.; Hauser, Christopher; Robertson, Kenneth R. / **Estimating floristic integrity in tallgrass prairie**. In: Biological Conservation. 2006; Vol. 131, No. 1. pp. 42-51.



1 *Amorpha canescens*  
**LEAD  
PLANT - C9**



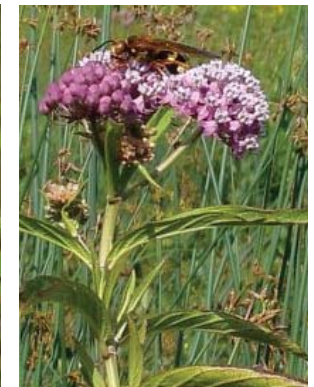
2 *Andropogon gerardi*  
**BIG  
BLUESTEM - C5**



3 *Antennaria neglecta*  
**FIELD  
PUSSYTOES - C5**



4 *Asclepias hirtella*  
**TALL GREEN  
MILKWEED - C10**



5 *Asclepias incarnata*  
**SWAMP  
MILKWEED - C4**



6 *Asclepias verticillata*  
**WHORLED  
MILKWEED - C10**



7 *Asclepias viridiflora*  
**SHORT GREEN  
MILKWEED - C10**



8 *Baptisia alba macrophylla* v.  
**WHITE WILD I  
NDIGO - C10**



9 *Bouteloua curtipendula*  
**SIDE-OATS  
GRAMA - C8**



10 *Bromus kalmii*  
**PRAIRIE  
BROME - C10**



11 *Chamaecrista fasciculata*  
**PARTRIDGE  
PEA - C5**



12 *Coreopsis palmata*  
**PRAIRIE  
COREOPSIS - C6**



13 *Coreopsis tripteris*  
**TALL PRAIRIE  
COREOPSIS - C5**



14 *Dalea purpurea*  
**PURPLE PRAIRIE  
CLOVER - C9**



15 *Desmanthus illinoensis*  
**ILLINOIS BUNDLE  
FLOWER - C3**



## Selected Flora of Orland Grassland with Coefficients of Conservatism

Marnie Baker, Volunteer Steward, Orland Grassland FPCC; Illinois Master Naturalist

Photos by: John Hilty, [illinoiswildflowers.info](http://illinoiswildflowers.info). Orland Grassland is part of the Forest Preserves of Cook County. Input from: Kris DaPra. .Produced by Marnie Baker [marnie.baker@gmail.com](mailto:marnie.baker@gmail.com) and Alicia Diaz, Field Museum.



© Field Museum (2020) CC BY-NC 4.0. Licensed works are free to use/share/remix with attribution, but does not permit commercial use of the original work.

[[fieldguides.fieldmuseum.org](http://fieldguides.fieldmuseum.org)] [1318] versión 1 11/2020

**Coefficients of Conservatism** - A coefficient of conservatism (C) is used as a weighted index along with the Floristic Quality Index (FQI) to provide repeatable measures for conservation/restoration goals. It is an integer ranging from 0 to 10 assigned to each taxon in a regional flora that estimates the fidelity of a species to natural areas (non-native species or ruderal species are assigned 0 or low values, respectively; species known primarily from natural areas are assigned higher values). A low C value for a species indicates an adaptability to disturbed areas and a more widespread distribution. A high C value for a species indicates a more specialized natural habitat is needed.

**Sources:** Wilhelm, Gerould & Rericha, Laura /**Flora of the Chicago Region 2017**. Taft, John B.; Hauser, Christopher; Robertson, Kenneth R. / **Estimating floristic integrity in tallgrass prairie**. In: *Biological Conservation*. 2006; Vol. 131, No. 1. pp. 42-51.



16 *Dodecatheon meadia*  
SHOOTING STAR - C6



17 *Echinacea pallida*  
PALE PURPLE  
CONEFLOWER - C9



18 *Erigeron strigosus*  
DAISY  
FLEABANE - C5



19 *Eryngium yuccifolium*  
RATTLESNAKE  
MASTER - C9



20 *Eupatorium maculatum*  
SPOTTED JOE  
PYE WEED - C4



21 *Eupatorium perfoliatum*  
COMMON  
BONESET - C4



22 *Fragaria virginiana*  
WILD  
STRAWBERRY - C1



23 *Gentiana andrewsii*  
BOTTLE  
GENTIAN - C8



24 *Helianthus  
grosseserratus*  
SAWTOOTH  
SUNFLOWER - C2



25 *Juncus dudleyi*  
DUDLEY'S  
RUSH - C4



26 *Lespedeza capitata*  
ROUND-HEADED  
BUSH CLOVER - C4



27 *Liatris aspera*  
ROUGH BLAZING  
STAR - C6



28 *Liatris pycnostachya*  
PRAIRIE BLAZING  
STAR - C8



29 *Lithospermum  
canescens*  
HOARY PUCCOON - C10



30 *Lobelia siphilitica*  
GREAT BLUE  
LOBELIA - C6



## Selected Flora of Orland Grassland with Coefficients of Conservatism

Marnie Baker, Volunteer Steward, Orland Grassland FPCC; Illinois Master Naturalist

Photos by: John Hilty, [illinoiswildflowers.info](http://illinoiswildflowers.info). Orland Grassland is part of the Forest Preserves of Cook County. Input from: Kris DaPra. Produced by Marnie Baker [marnie.baker@gmail.com](mailto:marnie.baker@gmail.com) and Alicia Diaz, Field Museum.



© Field Museum (2020) CC BY-NC 4.0. Licensed works are free to use/share/remix with attribution, but does not permit commercial use of the original work.

[[fieldguides.fieldmuseum.org](http://fieldguides.fieldmuseum.org)]

[1292] version 1 11/2020

**Coefficients of Conservatism** - A coefficient of conservatism (C) is used as a weighted index along with the Floristic Quality Index (FQI) to provide repeatable measures for conservation/restoration goals. It is an integer ranging from 0 to 10 assigned to each taxon in a regional flora that estimates the fidelity of a species to natural areas (non-native species or ruderal species are assigned 0 or low values, respectively; species known primarily from natural areas are assigned higher values). A low C value for a species indicates an adaptability to disturbed areas and a more widespread distribution. A high C value for a species indicates a more specialized natural habitat is needed.

**Sources:** Wilhelm, Gerould & Rericha, Laura /**Flora of the Chicago Region 2017**. Taft, John B.; Hauser, Christopher; Robertson, Kenneth R. / **Estimating floristic integrity in tallgrass prairie**. In: *Biological Conservation*. 2006; Vol. 131, No. 1. pp. 42-51.



31 *Lobelia spicata*  
**PALE SPIKED  
LOBELIA - C10**



32 *Monarda fistulosa*  
**WILD  
BERGAMOT - C4**



33 *Parthenium integrifolium*  
**WILD QUININE - C8**



34 *Pedicularis canadensis*  
**WOOD BETONY - C9**



35 *Penstemon digitalis*  
**FOXGLOVE BEARD  
TONGUE - C4**



36 *Phlox pilosa*  
**PRAIRIE  
PHLOX - C7**



37 *Psoraleidium  
tenuiflorum*  
**SCURFY PEA - C10**



38 *Pycnanthemum  
virginianum*  
**COMMON MOUNTAIN  
MINT - C5**



39 *Ratibida pinnata*  
**YELLOW  
CONEFLOWER - C4**



40 *Rosa setigera*  
**CLIMBING  
WILD ROSE - C7**



41 *Rudbeckia hirta*  
**BLACK-EYED  
SUSAN - C4**



42 *Rudbeckia triloba*  
**BROWN-EYED  
SUSAN - C3**



43 *Schizachyrium  
scoparium*  
**LITTLE  
BLUESTEM - C5**



44 *Silphium  
integrifolium*  
**ROSIN WEED - C5**



45 *Silphium laciniatum*  
**COMPASS PLANT - C5**



## Selected Flora of Orland Grassland with Coefficients of Conservatism

Marnie Baker, Volunteer Steward, Orland Grassland FPCC; Illinois Master Naturalist

Photos by: John Hilty, illinoiswildflowers.info. Orland Grassland is part of the Forest Preserves of Cook County. Input from: Kris DaPra. .Produced by Marnie Baker marnie.baker@gmail.com and Alicia Diaz, Field Museum.



© Field Museum (2020) CC BY-NC 4.0. Licensed works are free to use/share/remix with attribution, but does not permit commercial use of the original work.

[fieldguides.fieldmuseum.org]

[1292] version 1 11/2020

**Coefficients of Conservatism** - A coefficient of conservatism (C) is used as a weighted index along with the Floristic Quality Index (FQI) to provide repeatable measures for conservation/restoration goals. It is an integer ranging from 0 to 10 assigned to each taxon in a regional flora that estimates the fidelity of a species to natural areas (non-native species or ruderal species are assigned 0 or low values, respectively; species known primarily from natural areas are assigned higher values). A low C value for a species indicates an adaptability to disturbed areas and a more widespread distribution. A high C value for a species indicates a more specialized natural habitat is needed.

**Sources:** Wilhelm, Gerould & Rericha, Laura /**Flora of the Chicago Region 2017**. Taft, John B.; Hauser, Christopher; Robertson, Kenneth R. / **Estimating floristic integrity in tallgrass prairie**. In: Biological Conservation. 2006; Vol. 131, No. 1. pp. 42-51.



46 *Silphium perfoliatum*  
CUP PLANT - C6



47 *Silphium terebinthinaceum*  
PRAIRIE DOCK - C5



48 *Solidago juncea*  
EARLY GOLDEN-  
ROD - C5



49 *Solidago nemoralis*  
OLD FIELD  
GOLDENROD - C4



50 *Spiranthes cernua*  
NODDING LADIES'  
TRESSES - C7



51 *Sporobolus heterolepis*  
PRAIRIE  
DROPSEED - C10



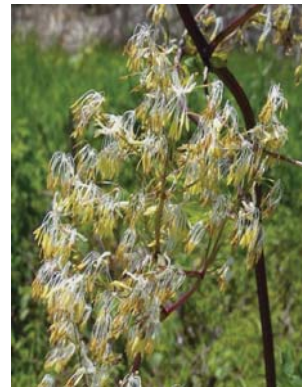
52 *Symphyotrichum ericoides*  
HEATH ASTER - C5



53 *Symphyotrichum laeve*  
SMOOTH BLUE  
ASTER - C9



54 *Symphyotrichum oolentangiense*  
SKY-BLUE ASTER - C8



55 *Thalictrum dasycarpum*  
PURPLE MEADOW  
RUE - C5



56 *Tradescantia ohiensis*  
COMMON  
SPIDERWORT - C2



57 *Verbena hastata*  
BLUE VERVAIN - C2



58 *Vernonia fasciculata*  
COMMON  
IRONWEED - C5



59 *Veronicastrum virginicum*  
CULVER'S ROOT - C7



60 *Zizia aurea*  
GOLDEN  
ALEXANDERS - C7