

# The Tallgrass Prairie Center Guide to Seed and Seedling Identification in the Upper Midwest (Bur Oak Guide)

Dave Williams



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Settlers crossing the tallgrass prairie in the early 1800s were greeted by a seemingly endless landscape of wildflowers and grasses, one of the most diverse ecosystems on our planet. Today, although the tallgrass prairie has been reduced to a tiny percentage of its former expanse, people are working to restore and reconstruct prairie communities. This lavishly illustrated guide to seeds and seedlings, crafted by Tallgrass Prairie Center botanist Dave Williams and illustrator Brent Butler, will insure that everyone from urban gardeners to grassland managers can properly identify and germinate seventy-two species of tallgrass wildflowers and grasses in eastern North Dakota, eastern South Dakota, southwestern Minnesota, southwestern Wisconsin, northern Illinois, northwestern Indiana, Iowa, eastern Nebraska, eastern Kansas, northwestern Missouri, and eastern Oklahoma.

Williams has created a brilliant, nearly foolproof system of identification and verification. Two primary keys lead to eleven secondary keys that link to characteristic groups of tallgrass plants: seven groups for wildflowers and four groups for grasses. To identify a seedling, use the primary key to discover its place in the secondary key, then turn to that characteristic group to find your seedling. Circles on each full seedling photograph correspond to close-up photographs; triangles on these close-ups illustrate information in the text to further pinpoint identification. Drawings of leaves illuminate exact identification, and enlarged photographs of each seed provide yet another way to confirm identification.

Thousands of seeds were sprouted in the Tallgrass Prairie Center's greenhouse to provide seedlings close in size and development to those grown in the field near the end of their first season; research and photography took place over four years. Williams's text for each species includes a thorough description, a comparison of similar species, and guidance for germination and growth. A complete glossary supports the text, which is concise but detailed enough to be accessible to beginning prairie enthusiasts.

Anyone in the Upper Midwest who wishes to preserve the native vegetation of prairie remnants or reconstruct a tallgrass prairie of whatever size—from home gardens to schoolyards to roadsides to large acreages—will benefit from the hundreds of photographs and drawings and the precise text in this meticulously prepared guide.



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