

PLANT LIFE OF KENTUCKY

We had passed through a great forest, on which stood myriads of trees, some gay with blossoms, others rich with fruits. Nature was here a series of wonders, and a fund of delight. Here she displayed her ingenuity and industry in a variety of flowers and fruits beautifully coloured, elegantly shaped, and charmingly flavoured; and we were diverted with innumerable animals presenting themselves perpetually to our view.

DANIEL BOONE, 1769 (AS PUBLISHED IN FILSON 1784)

It is extremely unfortunate that in a state endowed by nature with so inspiring topographical panorama, where mountains and hill land contrast so pleasingly with rolling plateau and barren, and where originally beneath magnificent, broad-leafed forests along mountain stream and meadow brook, there existed abundant and varied wild life, that such wretched physical conditions as are now only too apparent have come to exist.

W. R. JILLSON, 1924 (AS PUBLISHED IN "PRIMEVAL TRACTS OF KENTUCKY")

PLANT LIFE OF KENTUCKY

AN ILLUSTRATED GUIDE TO THE VASCULAR FLORA



RONALD L. JONES

WITH THE ASSISTANCE OF
JOHN W. THIERET, EDITORIAL ASSOCIATE
AND
CHARLES J. LAPHAM, TECHNICAL ASSOCIATE

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DEDICATION

TO MY WIFE, KATHLEEN, MY DAUGHTER, REBECCA, AND MY SON, ANDREW, FOR ALL THEIR LOVE, SUPPORT, AND ENCOURAGEMENT.

AND TO THE LOVING MEMORY OF MY PARENTS, HERMAN L. JONES (1920–1998) AND FLORA A. JONES (1925–2000).

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EASTERN KENTUCKY UNIVERSITY,
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THE KENTUCKY NATIVE PLANT SOCIETY

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knowledge of the flora have been enormous and have provided the foundation upon which this work is built.

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CREDITS FOR LINE DRAWINGS, PHOTOGRAPHS, AND

GLOSSARY

A total of 1,984 line drawings are included in this book. The following organizations, agencies, and individuals are greatly thanked for their assistance in providing these images. Line drawings were obtained from the following sources:

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AUTHOR'S NOTE

In a work of this magnitude it is not possible to eliminate all errors. The author takes responsibility for any such errors or omissions, including ones in the contributed treatments. Corrections, suggestions, and any other comments from individuals using the book are welcome, and should be directed to the e-mail address given following the note. The keys are a particular area where corrections will likely be needed. They have undergone several years of testing in field botany classes and by various users, but no doubt errors will continue to be found with more intensive use. Any future editions of this book will greatly benefit by the correction of these problems.

It is hoped that this book will increase interest in the state flora and in documenting the diminishing botanical resources of the state. Individuals interested in assisting in the documentation by collecting specimens and contributing them to the Eastern Kentucky University Herbarium (or other local herbaria) are requested to contact the author (or appropriate curator) for more information (see the author's Web page for a link to collecting methods). In particular, novice collectors should acquaint themselves with proper collecting techniques and collecting ethics. Of special need are specimens that

document new county, regional, or state records. They will be much appreciated and placed in permanent care as an important resource for the future.

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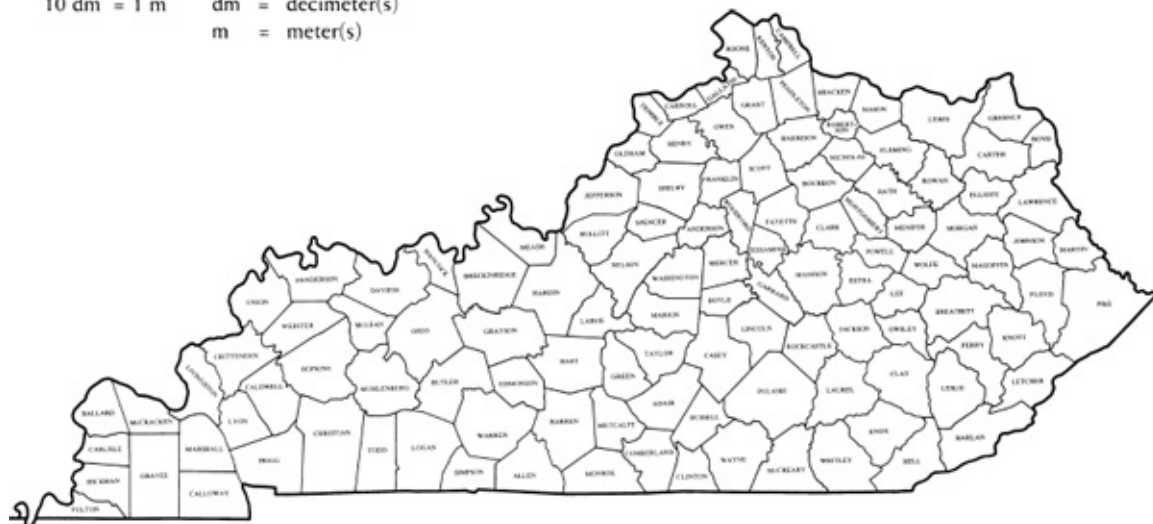
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PREFACE

Kentucky is widely known for the beauty of its landscapes, from the Appalachian highlands, to the rolling Bluegrass plains, to the lowlands along the Mississippi River. The flora of Kentucky has long been recognized for its richness, having been formed by the intermixing of plant species over millions of years of geologic and climatic change. Through the efforts of many workers over the last two centuries, a great deal of information has now been accumulated on the past and present plant life of the state. Today much is known about what plant species are present, their general distribution and habitats, and the occurrence of rare species in the state. Many areas of the state are little explored, and there is still much more to be learned about the Kentucky flora. To date, no single reference provides both a summary of our current knowledge and a identification guide to the flora. It has become increasingly obvious in recent years that the state is greatly in need of such a reference. Habitat alterations, effects of exotic pests and invasive plants, and overharvesting have combined to severely impact plant populations and communities. Although Kentucky's native plants face a precarious future, all is not lost. There is still incomparable natural beauty to be found in the landscapes and plant communities of Kentucky. There is also an increasing awareness both among professionals and the general public, of the state's rich natural heritage and of the value of protecting this biodiversity. Kentuckians across the state are showing in many ways their interest in learning about and protecting our native plants. Public officials, industry and business leaders, and conservation groups have joined in the effort to protect these dwindling resources. A key element to help promote these efforts is a reference book on the state's flora. As evidenced in other states, such books provide a baseline information for many users, stimulate additional research, and spur interest in activities at many levels. It is hoped that the present volume will have similar effects.



10 mm = 1 cm mm = millimeter(s)
10 cm = 1 dm cm = centimeter(s)
10 dm = 1 m dm = decimeter(s)
 m = meter(s)





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