

## The Loasaceae of Oklahoma

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The family Loasaceae is represented in the Oklahoma flora by one species of *Cerallia* and five species of *Mentzelia*. Species of *Mentzelia* have been included in the segregate genera *Nuttallia* and *Touiterea* in several floras of the plains region (1, 4, 5, 6).

According to the findings of this study, *Mentzelia multiflora*, which has been reported in the state (3, 6), has not been shown to occur in Oklahoma.

This study was based on material in the Bebb Herbarium of the University of Oklahoma and the Herbarium of Oklahoma A. & M. College. The author is indebted to Dr. George J. Goodman and Professor U. T. Waterfall, curators of these two herbaria, for their assistance in this study. Additional information on distribution as well as considerable taxonomic aid was obtained from Darlington's monograph of the genus (2).

### KEY TO THE SPECIES

- Stamens 5; calyx plumose-pubescent—*Cerallia* ..... *C. sinuata*
- Stamens many; calyx with glochidiate hairs—*Mentzelia*
- Petals 5, 1 cm. long or less
- Capsule 2-3.5 cm. long; calyx tube 10-20 mm. long ..... *M. albescens*
- Capsule 1-1.5 cm. long; calyx tube 5-6 mm. long ..... *M. oligosperma*
- Petals 10, more than 1 cm. long
- Bracts deeply pinnatifid
- Calyx tube 2-3 cm. long; calyx lobes 2.5-4 cm. long ..... *M. decapetala*
- Calyx tube 1-1.5 cm. long; calyx lobes 1-2 cm. long ..... *M. stricta*
- Bracts linear or wanting ..... *M. nudica*

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The counties from which specimens have been seen or were cited in Darlington's monograph (2) are listed below, along with the approximate date of flowering and the synonymy which is used in several floras of the plains region.

*Cerallia sinuata* Lag. Harmon and Jackson Counties. Four collections seen. June and July.

*Mentzelia albescens* (Gill.) Griseb. Comanche and Kiowa Counties. Two collections seen. May 25 and July 4.

*Mentzelia oligosperma* Nutt. Blaine, Caddo, Cimarron, Comanche, Custer, Greer, Harmon, Kay, Kingfisher, Kiowa, Logan, Love, McClain, Murray, Muskogee, Oklahoma, Payne, Pontotoc, and Woods Counties. May to September, primarily June.

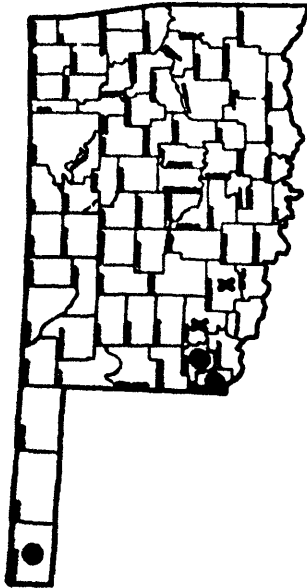
*Mentzelia decapetala* (Pursh) Urban and Gilg.  
*Nuttallia decapetala*  
*Touiterea decapetala*  
 Beckham, Cimarron, Garfield, Greer, Harper, Jackson, Kingfisher, and Woods Counties. August to September.

*Mentzelia stricta* (Osterh.) Stev.  
*Nuttallia stricta*  
*Touiterea stricta*  
 Alfalfa, Beckham, Blaine, Caddo, Cimarron, Cotton, Custer, Ellis, Greer, Harmon, Harper, Jackson, Jefferson, Kingfisher, Kiowa, Roger Mills, Stephens, Texas, Tillman, Woods, and Woodward Counties. May to October, primarily June to August.

*Mentzelia nuda* (Pursh) T. & G.  
*Nuttallia nuda*  
*Touiterea nuda*  
 Cimarron, Greer, and Harmon Counties. June to August.

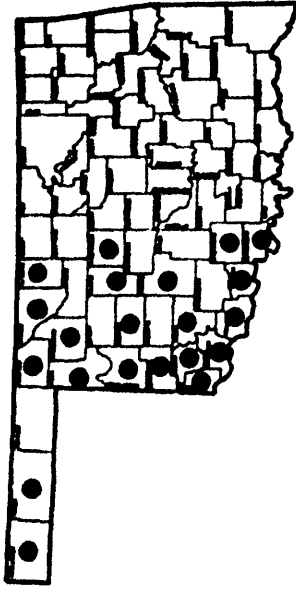
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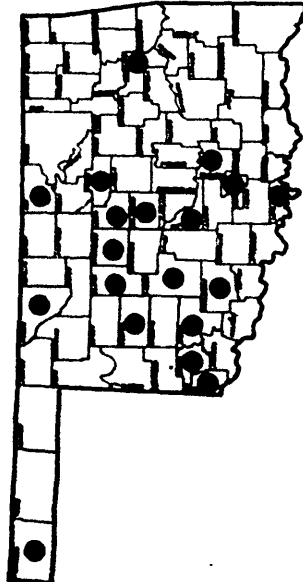


● *M. nuda*

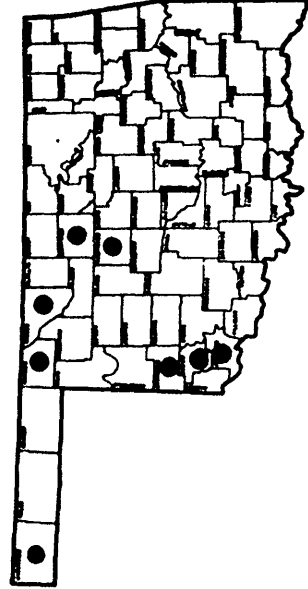
x *M. albescens*



*M. stricta*



*M. oligosperma*



*M. decapetala*

THE DISTRIBUTION OF MENTZELIA IN OKLAHOMA