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# THE EARTH'S GRASS FLORA: A NUMERICAL CONSPECTUS

## (A Comparison of Seventeen Summaries)

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Source	Subfamilies	Tribes	Genera	Species
Hackel (1887)	✧	13	313	3500
Bews (1929)	2	15	483	5871
Prat (1936)	3	26	350	4900
Roshevits (1937)	2	28	564	6063
Pilger (1954)	9	34	556	✧
Potzta (1964)	9	37	700	8000
Hubbard (1973)	2	25	482	✧
Clayton & Renz (1986)	6	40	651	9675
Tzvelev (1989)	2	20	898	10,300
Watson & Dallwitz (1992)	5	45	785	10,000
Simon & Healy (2007)	12	✧	756	12,096
Thorne (2007)	12	38	678	10,220
Mabberley (2008)	6	40	715	10,550
Grass Phylogeny Working Group II	✧	✧	531	11,157
Soreng et al. (2015)	12	51	771	12,074
Kellogg (2015)	12	35	707	11,347
Clayton et al. (2016)	✧	✧	715	11,230

### SOURCES

- Hackel, E. 1887. Gramineae. In, Engler, A. & K. Prantl. Die Natürlichen Pflanzenfamilien. Abt. 2.  
 Bews, J. W. 1929. The world's grasses.  
 Prat, H. 1936. La systématique des Graminées.  
 Roshevits, R. Y. 1937. Grasses: an introduction to the study of fodder and cereal grasses.  
 Pilger, R. 1954. Das System der Gramineae.  
 Potzta, E. 1964. Gramineae (Poaceae). In, A. Engler's. Syllabus der Pflanzenfamilien. II. Band.

Hubbard, C. E. 1973. Poaceae. In, Hutchinson, J. The families of flowering plants.

Clayton, W. D. & S. A. Renz. 1986. Genera graminum: grasses of the world.

Tzvelev, N. N. 1989. The system of grasses (Poaceae) and their evolution.

Watson, L. & M. J. Dallwitz. 1992. The grass genera of the world.

Simon, B. K. & D. Healy. 2007. Grassworld: checklist of world grasses.

Thorne, R. F. 2007. Poaceae. An updated classification of the Class Magnoliopsida.

Mabberley, D. J. 2008. Gramineae. In Mabberley's plant-book.

Grass Phylogeny Working Group II. New grass phylogeny resolves deep evolutionary relationships....

Soreng, R. J. et al. 2015. A worldwide phylogenetic classification of the Poaceae (Gramineae).

Kellogg, E. A. 2015. Poaceae. In, Kubitzki, K. The families and genera of vascular plants. Volume XIII.

Clayton, W. D. et al. 2016. GrassBase - the online world grass flora.