

pappi 20-30 uniseriatae vel subbiseriatae scabridae
 superne leniter incrassatae, cellulis apicalibus sub-
 acutis. Grana. pollinis 18-20 μ diam. minute spinulosa.
 Species typica: Eupatorium plucheoides Griseb.

The species of Grisebachianthus may be determined
 with the following key.

1. Leaves with petioles 5-10 mm long -- G. carsticola
1. Leaves subsessile, petioles usually less than 5 mm
 long ----- 2
 2. Heads with 30-60 flowers ----- 3
 2. Heads with 10-27 flowers----- 5
3. Anther appendage about half as long as wide, often
 strongly bilobed; leaves mostly pinnately veined
G. libanotica
3. Anther appendage about as long as wide, scarcely
 bilobed; leaves usually prominently trinerved
 from near base ----- 4
 4. Stems and undersurfaces of leaves brownish
 tomentose; leaf undersurface not closely
 reticulated; heads with 36-60 flowers
G. plucheoides
 4. Stems and undersurfaces of leaves whitish
 tomentose; leaf undersurface with prominent
 close reticulations; heads with 30-40 flowers
G. hypoleucus
5. Leaves with short tomentum below; heads with 10-12
 flowers ----- G. nipensis
5. Leaves densely tomentose below; heads with 12-27
 flowers ----- 6
 6. Stems and undersurfaces of leaves brownish tomentose; leaves broadly ovate to ovate-elliptical; phyllaries mostly obtuse
G. lanatanifolius
 6. Stems and undersurfaces of leaves whitish or
 grayish tomentose; leaves ovate to oblong-
 ovate; phyllaries often acute ----- 7

7. Leaves rough on upper surface ----- G. mayarensis

7. Leaves shiny on upper surface ---- G. holquinensis

Our studies of the genus indicate that it contains the following eight species.

Grisebachianthus carsticola (Borhidi & Muniz) R.M.King & H.Robinson, comb. nov. Eupatorium carsticola Borhidi & Muniz, Acta Bot. Acad. Sci. Hungar. 18: 45. 1973.

Grisebachianthus holquinensis (B.L.Robinson) R.M.King & H.Robinson, comb. nov. Eupatorium holquinense B.L.Robinson, Contr. Gray Herb. n. s. 77:18. 1926. Much of the material in herbaria under the name E. hypoleucum belongs here. Syn? Eupatorium heterophyllum A. Rich. non Eupatorium heterophyllum D.C.

Grisebachianthus hypoleucus (Griseb.) R.M.King & H.Robinson, comb. nov. Eupatorium hypoleucum Griseb., Mem. Amer. Acad. n.s. 8:512. 1863.

Grisebachianthus lantanifolius (Griseb.) R.M.King & H. Robinson, comb. nov. Eupatorium lantanifolium Griseb. Mem. Amer. Acad. n.s. 8:511. 1863.

Grisebachianthus libanotica (Sch.-Bip.) R.M.King & H. Robinson, comb. nov. Eupatorium libanoticum Sch.-Bip., Journ. Bot. 1:234. 1863. syn. Eupatorium reticulatum A. Rich. non E. reticulatum Desv.

Grisebachianthus mayarensis (Alain) R.M.King & H.Robinson, comb. nov. Eupatorium mayarense Alain, Contr. Ocas. Mus. Hist. Nat. Col. 'de la Salle' Habana 18:5. 1960.

Grisebachianthus nipensis (B.L.Robinson) R.M.King & H. Robinson, comb. nov. Eupatorium nipense B.L.Robinson, Contr. Gray Herb. n.s. 77:25. 1926.

Grisebachianthus plucheoides (Griseb.) R.M.King & H. Robinson, comb. nov. Eupatorium plucheoides Griseb., Mem. Amer. Acad. n.s. 8:511. 1863.

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King, Robert Merrill and Robinson, Harold E . 1975. "Studies in the Eupatorieae (Asteraceae). CLII. A new genus, *Imeria*." *Phytologia* 32(3), 271–272.

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