

DIAGNOSES OF CYRTANDRA SPECIES (GESNERIACEAE) SECTION  
MICROCALYCES

HAWAIIAN PLANT STUDIES 155

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Section Microcalyces of Cyrtandra is a small one, containing 4 species and 1 variety on Oahu, and 1 species and 1 variety on Hawaii. To these eight species are here added.

The types of the following species are in the Bishop Museum, Honolulu, unless otherwise indicated.

Cyrtandra ataute sp. nov. Novellae pilosae sunt, foliis oppositis, petiolis 4-8 cm longis pilosis, laminis 7.5-11 X 5-7 cm coriaceis ellipticis basi cuneata et breve decurrenti apice acuminato supra intervallis pilosis et midnervo et nervis principalibus dense pilosis, cymis 1-floriferis pilosis, pedicellis 12-15 mm longis, calycibus 15 mm longis pilosis tubo 7 mm longo lobis lanceolatis subobtusis pilosis 2 lobis superis 7 mm longis 3 lobis inferis 8 mm longis, corollis 14 mm longis. Typus: Hawaii I., Stainback Hwy., Mary A. B. Lee 1.

Cyrtandra deltoidea sp. nov. Novellae pilosae sunt, foliis oppositis, petiolis 2.5-3.5 cm longis hirsutis, laminis 10.5-12.3 X 4-5 cm ellipticis apice acuminato basi cuneata infra nervis pilosulis, cymis 5 cm longis (1-) 5-floriferis pilosulis, pedicellis 7-17 mm longis, calycibus 14 mm longis pilosulis tubo 8-10 mm longo 5 lobis 5-6.5 mm longis subaequalibus deltoideis, corollis 30 mm longis. Typus: Hawaii I. Park Jct., M. R Crosby & W. R. Anderson 1,964.

Cyrtandra exilis sp. nov. Novellae pilosae sunt, foliis oppositis inaequalibus, petiolis 4-9 cm longis pilosis, laminis 8.5-13 X 4-6.4 cm ellipticis apice acuminato basi cuneata et breve decurrenti supra hirsutis infra hirsutulis nervis hirsutis, cymis 2-2.5 cm longis 1-floriferis pilosis, pedicellis 11 mm longis, calycibus 12-13 mm longis ½ lobatis 5 lobis 5-6 mm longis lanceolatis subobtusis, corollis 16 mm longis puberulis tubo 12 mm longo 2 lobis superis 4 mm longis suborbicularibus, loba infera 5 mm longa semiorbiculari. Typus: Hawaii I., Kulani, H. St. John 25,337.

Cyrtandra hesperia sp. nov. Novellae hirsutae sunt, foliis oppositis inaequalibus, petiolis 2-5.5 cm longis hirsutulis, laminis 7-11 X 2.5-4.6 cm fusiformi-ellipticis varie oblanceolatis acuminatis basi cuneata hirsutulis infra hirsutulis, cymis 4-5 cm longis 2-3-floriferis

puberulis, pedicellis 10-14 mm longis, calycibus 15-18 mm longis puberulis, tubo 7-8 mm longo lobis lineari-lanceolatis eis superis 10-11 mm longis, corollis 19-21 mm longis puberulis. Typus: Hawaii I., Hookena, F. R. Warshauer 1,932,

*Cyrtandra lalaensis* sp. nov. Novellae villosae sunt, foliis oppositis, petiolis 2-11.5 cm longis villosis, laminis 7.5-26 X 4-15 cm ellipticis acuminatis basi cuneata supra hirsutis infra hirsutulis nervis hirsutis, cymis 6-8 cm longis 5-floriferis villosis, pedicellis 10-28 mm longis, calycibus 9-10 mm longis pilosulis. lobis 2.5-6.5 mm longis deltoideis ad lanceolatis, corollis 23 mm longis pilosulis. Typus: Hawaii I., Puu Lala, H. St. John et al. 22,503.

*Cyrtandra simulata* sp. nov. Novellae pilosae sunt, foliis oppositis inaequalibus, petiolis 5-9 cm longis, laminis 8-10.5 X 4.5-7 cm ellipticis acuminatis basi cuneata supra hirsutulis infra pilosis, cymis 3-floriferis hirsutulis, pedicellis 5-8 mm longis, calycibus 9-10 mm longis hirsutulis tubo 5 mm longo lobis 5 mm longis lanceolatis hirsutulis, corollis 12 mm longis hirsutulis. Typus: Hawaii I., Stainback Hwy., Mary A. B. Lee.

*Cyrtandra triangularis* sp. nov. Novellae pilosae sunt, foliis oppositis, petiolis 3-4 cm longis pilosis, laminis 9-11 X 7-7.3 cm subcoriaceis ellipticis acuminatis basi subcordata supra hirsutis infra pilosis, cymis 6 cm longis 3-floriferis pilosis, pedicellis 20 mm longis, calycibus 9 mm longis pilosis lobis 4 mm longis deltoid-eis subobtusis. Typus: Hawaii I., Laupahoehoe, W. Wong (HAW).

*Cyrtandra waipioensis* sp. nov. Novellae villosae sunt, foliis oppositis, petiolis 3-7 cm longis villosis, laminis 5-17 X 3.5-9.8 cm ellipticis acuminatis basi cuneata supra hirsutis infra pilosulis, cymis 5-8 cm longis 2-5-floriferis villosis, pedicellis 12-25 mm longis, calycibus 11-14 mm longis villosis lobis 4-5 mm longis lanceo-ovatis, corollis 13-16 mm longis villosis. Typus: Hawaii I., Waipio, Upper Hamakua Ditch TRail, H. St. John et al. 11,453.