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LUPINUS CONCINNUS VAR. BREVIOR

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Lupinus sparsiflorus var. *brevior* was proposed by Jepson presumably because *L. sparsiflorus* and not *L. concinnus* possesses cilia on the lower margin of the keel near the claws—also frequently at the same location on the wings. If one places the variety *brevior* in *L. sparsiflorus*, one must ignore certain vegetative characters which the former has in common with *L. concinnus*, i.e. the stature of the plant, the size and shape of the leaflets, and the pattern of branching. In addition, the size and shape of the floral parts of the variety are similar to those of *L. concinnus*.

Studies conducted during the spring of 1957 at the University of Missouri on interfertility between six intraspecific taxa of *L. concinnus* and four taxa of the *L. sparsiflorus* complex show that variety *brevior* and two members of the *L. concinnus* complex are interfertile. All attempts to cross the variety with members of the *L. sparsiflorus* complex failed. Then too, cilia were observed on the lower margin of the claws and/or wings of *L. concinnus* var. *pallidus*. Hence, even ciliation is not confined to the *L. sparsiflorus* complex. The following new combination is proposed, therefore.

***Lupinus concinnus* Agardh. var. *brevior* (Jeps.) Dunn comb. nov.**

Lupinus sparsiflorus Benth. var. *brevior* Jeps., Fl. Calif. 2: 277. 1936.

Type: Jepson 11711 (JEPS) collected at Meyer Creek Bridge at the foot of Mt. Springs Grade, Imperial County, California.

Representative specimens: R. S. Ferris 7074 (DS, POM) ½ mile east of Mt. Springs, Imperial County, California; C. B. Wolf 8467 (DS, RSA) Borego State Park, Palm Canyon, Park Headquarters, San Diego County, California.

Thus far, typical material of *L. concinnus* var. *brevior* has been obtained only from Imperial or San Diego counties, California. Not all of the paratypes cited by Jepson in his original description are referable to var. *brevior*.