

KEY TO *PENSTEMON* IN NEW MEXICO

- 1 Plants** shrubby; leaves linear & < 35 mm long
- 2 Corolla** blue, blue-purple, or reddish purple; 8-14 mm long, all lobes spreading; tube gradually expanded; **desert grasslands** in sNM (CA, HI, LU), sAZ, sCA, nMEX; Apr-Aug.....*P. thurberi* Torr.
- 2 Corolla** pink externally, 15-24 mm long, white on the face of the lobes; upper lobes reflexed, lower lobes projecting; tube narrow and curved
- 3 Stems** puberulous; **sandy soils** in eNM (BE, CU, DB, GU, LE, QU, RO, SF, TO, UN), eCO, wTX, wOK; (May) Jun-Jul (Aug)..... *P. ambiguus* Torr. subsp. *ambiguus*
- 3 Stems** glabrous; sNM (ED, LU, SO), AZ, TX, NV, MEX; Jun-Jul..... *P. ambiguus* Torr. subsp. *laevissimus* Keck
- 1 Plants** herbaceous or woody only at the base;
leaves linear or broader
- 4 Leaves** linear and short (< 35 mm long)
- 5 Corollas** red, 25-32 mm long, tubular, strongly bilabiate; inflorescence secund, glandular; anthers explanate, glabrous; **staminode** bearded most of length with bright yellow hairs; base of lower lobes with long, flat, yellow hairs; **stems** woody well above base; leaves small, needlelike, crowded on lower part of stems; **rocky areas** in swNM (CA, GR, fl, SO), seAZ, nMEX; 5800-10,000 ft; Jun-Aug..... *P. pinifolius* Greene
- 5 Corollas** some shade of blue or purplish; bottom of corolla throat plicate (2-ridged) forming a low palate
- 6 Stems** and leaves puberulous with flat, appressed scale-like hairs, especially on **lower leaves** (scales much smaller & stems more uniformly retrorsely puberulent in var. *linarioides*); **leaves** scattered on flowering stems; calyx lobes acute or very short acuminate, scarious margined almost to tip
- 7 Principal leaves** mostly lanceolate to oblanceolate; **limestone cliffs**; apparently last collected in NM in 1880 (Gila valley, GR), seAZ
..... *P. linarioides* Gray subsp. *maguirei* Keck
- 7 Principal leaves** essentially linear; base of lower lobes lightly bearded
- 8 Staminode** sparsely bearded with short hairs, longer golden hairs in apical tuft; base of lower lobes lightly bearded; **plants** shorter (1-3.5 dm); resembles *P. crandallii glabrescens* in habit; vestiture variable; common in **plains & foothills with sagebrush, PJ¹, oak** in nwNM (CI, MC, RA, SJ) & swCO; 5200-8700 ft; Jun-Jul *P. linarioides* Gray subsp. *coloradoensis* (A.Nels.) Keck
- 8 Staminode** more densely bearded with longer hairs for most of its length; base of lower lobes strongly bearded; **plants** relatively tall (2-5 dm), scoparioid, stem bases more-or-less woody; common in **canyons & foothills** in PJ & PIPO in swNM (DA, CA, GR, HI, LU, MC, SI, SO) & seAZ; 4500-6000 ft; Jun Aug..... *P. linarioides* Gray subsp. *linarioides*
- 6 Stems and leaves** puberulous with fine erect or retrorse hairs, or **leaves** glabrous; **leaves** numerous on **flowering stems**; **calyx** lobes long acuminate, scarious margined only at base
- 9 Leaves** glabrous ventrally; **dry hillsides** in nwNM (CO, SA, RA, TA) & sCO; 6900-9000 ft; Jun-Aug
..... *P. crandallii* A.Nels. subsp. *glabrescens* (Pennell) Keck var. *glabrescens*
- 9 Leaves** puberulous with fine erect or retrorse hairs; ncNM near Taos (RA, TA)
..... *P. crandallii* A.Nels. subsp. *glabrescens* (Pennell) Keck var. *taosensis* (Keck) Nisbet & Jackson
- 4 Leaves** not linear or if linear, then much longer than 35 mm
- 10 Upper stem leaves** connate perfoliate (upper stem leaves of *P. superbus* sometimes connate-perfoliate, but not serrate); **corolla** pink to rose, 25-35 mm; leaves usually serrate
- 11 Corolla** expanding gradually, pale pink to rose; staminode glabrous; anthers explanate; plants glabrous, inflorescence glandular; rocky places in **PJ/oak & PIPO²** in swNM (CA, DA, GR, HI), AZ, sNV, nMEX; 4500-7000 ft; Apr-Jun (Aug)
..... *P. pseudospectabilis* M.E. Jones subsp. *connatifolius* (A.Nels.) Keck
- 11 Corolla** expanding abruptly; **staminode** bearded; **anthers** explanate or not; plants glaucous, inflorescence glandular; disjunct in NM, but now established in at least two places along 140; cNM (BE, TO), cAZ & westward; 5000-7000 ft (in NM); May-Jun (in NM)
..... *P. palmeri* Gray ssp. *palmeri*
- 10 Upper stem leaves** sessile or subcordate; **corollas** various colors (rarely pink to rose or white); **leaf** margins various

¹ PJ=pinyon and juniper² PIPO=ponderosa pine

- 12 Corolla** some shade of red but not pink to rose, usually tubular or slightly expanding
- 13 Corolla** constricted at orifice & with long yellow hairs; **staminode** bearded near tip; **anthers** minutely spinescent on sutures, opening all but the connective, & minutely puberulent
- 14 Stem leaves** moderately thin, broadly lanceolate, oblong, or lance-ovate, lower ones 10-20 cm long; **calyx** 3 mm long; **rocky areas** in **PIPO & PSME³** in scNM only (LI, OT, SO? Capitan, Sacramento, & Oscura (?) Mts); 6600-8800 ft; Jun Jul; RARE
- *P. cardinalis* Wool. & Standl. subsp. *cardinalis*
- 14 Stem leaves** moderately thick, ovate or subcordate, lower ones 5-6 cm long; **calyx** 4-6 mm long; **rocky areas** in chaparral, **PJ, & PIVO** in seNM (ED, OT), tpTX (Guadalupe Mts of both states); 4500-5500 ft; May Jun; RARE
- *P. cardinalis* Wool. & Standl. subsp. *regalis* (A.Nels.) Nisbet & Jackson
- 13 Corolla** not constricted at orifice, with hairs or not; **anthers** glabrous or not, spinescent on sutures or not
- 15 Anther sacs** dehiscent by a short slit across the connective, the tips remaining closed, U-shaped, sutures spinescent; **corolla** glandular, strongly bilabiate, upper lip projecting & forming galeate hood, glabrous within; staminode glabrous; **sagebrush, PJ, oak, PIVO** in wNM (CA), AZ, swCO, sUT, NV, sCA; 5200-9000 ft; (Jun) Jul-Aug (Oct)
- *P. rostriflorus* Kellogg (*P. bridgesii* Gray)
- 15 Anther sacs** completely or partially dehiscent, the tips open
- 16 Anther sacs** explanate
- 17 Staminode** glabrous; foliage not glaucous; **corolla** bright red; **rocky areas** in limestone, Sacramento Mts only (DA, OT); 4300-5300 ft; May-Jun; RARE *P. alamosensis* Pennell & Nisbet
- 17 Staminode** bearded; foliage strongly glaucous; corolla orange-pink to scarlet; **PJ, oak, PIVO** in **rocky areas & washes** in swNM (GR, fl), seAZ, nMEX; 3500-5200 ft; Mar-Jim; RARE
- *P. superbus* A.Nels.
- 16 Anther sacs** not explanate
- 18 Corolla** bilabiate but not strongly so, lower lobes short, rounded, usually spreading; throat glabrous
- 19 Corolla** barely bilabiate, almost regular; **inflorescence** glabrous or puberulent; **anthers** U-shaped, opening at tips only, minutely puberulent, sutures denticulate; **staminode** glabrous to slightly bearded at tip; **dry slopes & flats** in **sagebrush, PJ, & PIVO** in nwNM (SJ), swCO, UT, AZ; 5000-9200 ft; Apr-Jun (Jul)
- *P. eatonii* Gray subsp. *undosus* (M.E. Jones) Keck
- 19 Corolla** definitely bilabiate; **inflorescence** glandular; **anthers** opening almost completely, glabrous; **staminode** glabrous; **PJ & PEPO** in rocky canyons in swNM (GR, HI, LU), seAZ, nMEX; about 5000 ft; Jun Aug; RARE
- *P. ramosus* Crosswhite (*P. lanceolatus* of NM authors)
- 18 Corolla** strongly bilabiate, lower lobes long, narrow, reflexed, upper lobes projecting; throat usually bearded
- 20 Base of lower lobes** bearded with yellow hairs; calyx lobes 6-10 mm long; **PJ, oak, & PIVO** in swNM (CA, GR, HI, SI), seAZ, tpTX, nMEX; 5200-10,000 ft; Jun-Sep *P. barbatus* (Cav.) Roth, subsp. *barbatus*
- 20 Base of lower lobes** glabrous or bearded with a few white or yellowish hairs; calyx lobes < 6 mm long
- 21 Anthers** glabrous; **dry hillsides** in **PJ, oak, PIVO**; NM (BE, CA, CO, DA, ED, GR, LI, MO, OT, RA, SA, SM, SI, SO, TA, UN), seUT, neAZ; 5200-8200 ft; Jun-Aug (Sep)
- *P. barbatus* (Cav.) Roth, subsp. *torreyi* (Benth.) Keck
- 21 Anthers** bearded; **dry hillsides** in **PJ, oak, PIVO** in nwNM (CA, CI, MC, RA, SA, SJ, SO), swCO, seUT, neAZ; 5200-8200 ft; Jun-Aug *P. barbatus* (Cav.) Roth, subsp. *trichander* (Gray) Keck
- 12 Corolla** some shade of blue or purple (rarely white or pink)
- 22 Foliage** glabrous and slightly to heavily glaucous; **leaves** usually thickened or fleshy; **staminode** tip expanded
- 23** Most of the **inflorescence bracts** prominent; inflorescence compact, not secund, the very short **internodes, pedicels,** and **peduncles** giving the effect of a spike of flowers
- 24 Bracts** lance-ovate to orbicular, acute to short acuminate, large, conspicuous, often overlapping, clasping
- 25 Plants** tall (usually 5-10 dm); **calyx** lobes 7-13 mm long; **flowers** 35-48 mm long; **inflorescence** open; corolla pink, bluish lavender, or pale blue, abruptly inflated; **sandy to loamy soils in prairies**; at western edge of range neNM (UN), also scTX to neWY, ND & IN; about 5100 ft (in NM); Jun
- *P. grandiflorus* Nutt.
- 25 Plants** usually < 5 dm tall; **calyx** lobes usually < 7 mm long; **flowers** 14-20 mm long; inflorescence congested; corolla pale lavender-blue; **sandy soil in grasslands**; eNM (CH, ED, LE, RO), TX, seCO, wKS; 3500-4500 ft; May-Jun *P. buckleyi* Pennell
- 24 Bracts** lance-ovate or ovate, smaller, usually caudate; inflorescence congested; corolla sky-blue, violet-blue, or pinkish (often in same inflorescence); [these two subspecies may not be worthy of distinction since only flower color is different]
- 26 Corollas** pale blue to bluish-purple; **prairies & hills** in nNM (CO, MC, SJ, TA, UN), seCO, wKS, wOK (southern Great

³ PSME=Douglas Fir (*Pseudotsuga menziesii*)

- Plains); 4000-8500 ft; May-Jun *P. angustifolius* Nutt. subsp. *caudatus* (Heller) Keck
- 26 Corollas** lavender to pinkish; **sandy soils in blackbrush, sagebrush, PJ** in nwNM (SJ), seUT, neAZ (Colorado Plateau); 5000-5800 ft; May-Jun *P. angustifolius* Nutt. subsp. *venosus* Keck
- 23** Only the **lower inflorescence bracts** prominent; inflorescences not spike-like, usually open, either n to distinctly secund or not; anthers completely dehiscent but not explanate, glabrous, sutures minutely spinescent
- 27 Inflorescence** not secund; bracts broadly ovate with a short, abruptly pointed tip; throat narrow and often somewhat curved, expanded only at the orifice, glabrous at base of lower lobes; **prairies & lower mts** in NM (CH, DA, DB, GR, GU, HA, HI, LE, LI, LU, MO, QU, SA, SI, SM, SO), swKS, wOK, wTX, seAZ, Chihuahua; about 4000-7000 ft; Apr-Jun *P. fendleri* Torr. & Gray
- 27 Inflorescence** at least more-or-less secund, usually distinctly so; bracts lanceolate; throat gradually expanded, usually bearded at base of lower lobes; staminode bearded, tip dilated [the following not always easy to distinguish]
- 28 Calyx margins** broadly scarios, often pinkish or purplish; inflorescence usually strongly secund; pedicels & peduncles usually short; **rocky areas** in w,c,n,c&neNM (BE, CA, CO, HA, LA, MC, SA, SF, SM, TA, UN), sCO, sWY; 5000-9500 ft; May-Jun *P. secundiflorus* Benth.
- 28 Calyx margins** narrowly scarios, usually not colored; inflorescence more-or-less secund; peduncles & pedicels usually elongate; **sandy or gravelly soils in sagebrush, PJ, oak, PIPO** in nwNM (MC, SJ), seUT, swCO, neAZ; 4900-8500 ft; May-Jun; RARE *P. lentus* Pennell
- 22 Foliage** glabrous, puberulent, &/or glandular, but not glaucous; leaves not thickened; staminode tip expanded or not
- 29 Inflorescence and corollas** glandular pubescent externally
- 30** Fascicles of small, obscurely toothed **leaves** in axils of **stem leaves**; corolla abruptly ampliate ventricose, violet to purple color; anthers fully dehiscent but not explanate; **staminode** dilated distally, yellow bearded; **rocky areas at middle elevations** in swNM (HI) to scMEX. *P. campanulatus* (Cav.) Willd. subsp. *chihuahuensis* Straw (*P. pulchellus* Lindl.)
- 30** No fasciculate **leaves** (fascicles of leaves occasionally present in *P. dasyphyllus*, but then leaves much longer & not toothed and staminode glabrous & not dilated)
- 31 Anther sacs** explanate
- 32 Corolla** dull purple (rarely white), lower lobes projecting, 3-5 mm longer than upper lobes; **subalpine to above timberline** in NM (BE, CA, LI, MO, RA, SA, SF, SI, TA, TO, VA), AZ, CO, UT, WY, seID, swMT; 8200-11,800 ft; Jun-Aug (Sep) *P. whippleanus* Gray (*P. metcalfei* Wool. & Standl., *P. puberulus* Wool. & Standl.?)
- 32 Corolla** white, pale lavender, violet-blue, blue-purple, lower lobes not projecting, not noticeably longer than upper lobes
- 33 Corolla** not bearded at base of lower lobes; staminode sparsely to moderately bearded
- 34 Corolla** 1-2 cm long, densely glandular pubescent within and without, white (rarely pale lavender); tube funnel form & moderately inflated; western **Great Plains**; NM (QU, UN) to TX & sCAN; about 5000 ft; May-Jun *P. albidus* Nutt.
- 34 Corolla** 3.6-6 cm long, pale colored, densely glandular pubescent without but glabrous within; tube abruptly inflated; **prairies, pastures, hills**; escaped in NM (QU, TA) & seCO, native range in NB, MO, AR, OK, eTX; 3800-7200 ft; AprJun *P. cobaea* Nutt.
- 33 Corolla** bearded at base of lower lobes; staminode conspicuously bearded
- 35 Corolla** 5-6 mm wide, orifice as high or higher than wide; lower lip not glandular within; staminode not or barely exerted; throat not to moderately inflated; **shrub land, PJ** in nwNM (MC, SJ), swCO, seUT; 5200-7600 ft; May-Jun *P. breviculus* (Keck) Nisbet & Jackson
- 35 Corolla** 8-19 mm wide, orifice much wider than high; lower lip glandular within; staminode usually prominently exerted; throat much inflated
- 36 Corolla** 24-35 mm long, 10-15 mm wide; **plains** in NM (BE, CO, CU, DB, ED, GU, LI, MO, OT, QU, RO, SA, SF, SM, TO, UN), seCO, swKS, wTX; 4200-8000 ft; May-Jun *P. jamesii* Benth.
- 36 Corolla** 14-22 mm long, 8-19 mm wide; wNM (CA, CI, MC, SI, SJ, VA), swCO, nAZ, sUT (Colorado Plateau); 4900-7400 ft; Jun-Aug *P. ophianthus* Pennell
- 30 Anther sacs** not explanate
- 37 Staminode** glabrous, not dilated at tip; corolla markedly ampliate; anthers U-shaped, sutures spinescent; leaves occasionally in fascicles; **gravelly slopes, desert grasslands** in swNM (HI, LU), seAZ, Big Bend, neMEX; 4500-5700 ft; Jun-Aug *P. dasyphyllus* Gray
- 37 Staminode** bearded; corolla narrow to expanded; anthers not U-shaped & not spinescent; leaves never in fascicles
- 38** Leaves finely toothed; corolla pale lavender to pale violet; corolla floor narrow, 2-ridged; base of lower lobes white hairy; **plains** in neNM (CO, SM, UN), seCO, to CAN, WI (eastern slope of Rockies); 7000-8700 ft; Jun-Aug *P. gracilis* Nutt.
- 38 Leaves** entire or undulate (occasionally denticulate in *P. auriberbis*); corollas darker in color; corolla floor ridged

- or not, base of lower lobes usually hairy
- 39 Corolla** floor without ridges on under side; base of lower lobes villous; corolla 14-24 mm long, staminode slightly included to distinctly exerted, densely golden bearded for most its length, dilated at tip; bracts leaf-like and not much reduced; **plains** in neNM (CO, UN, barely enters NM) & seCO (common); 4500-7500 ft; May-Jun *P. auriberbis* Pennell
- 39 Corolla** floor deeply to moderately ridged on under side; base of lower lobes with a few white or many yellow hairs; staminode usually included, densely bearded for half its length; bracts always reduced and never leaf-like
- 40 Corolla** floor deeply 2-ridged; base of lower lobes & floor of corolla and staminode densely covered with golden hairs; corolla 17-25 mm; flowers drooping to horizontal; **rocky areas in forests & grasslands** in neNM (RA, TA), seCO; 7000-10,000 ft *P. griffonii* A.Nels.
- 40 Corolla** floor less strongly ridged, glabrous; base of lower lobes with a few white hairs; staminode orange-bearded; corolla 11-27 mm; flowers ascending to drooping [these three not always readily distinguishable]
- 41 Corolla** fairly abruptly but moderately inflated, 17-27 mm long; flowers ascending to horizontal; plants robust (1-6 dm); basal rosette usually gone at anthesis; all but uppermost cauline leaves usually well-developed & similar to basal; **hillsides & meadows** in c&ncNM (BE, CO, SF, SM, TA, TO); 7500-11,000 ft; (May) Jun-Aug *P. inflatus* Crosswhite
- 41 Corolla** straight or little inflated, 11-20 mm long; plants smaller (1-4 dm); basal rosette often present at anthesis; basal leaves best developed; cauline leaves usually smaller than basal
- 42 Stems** obviously puberulent; flowers mostly ascending, never drooping; corollas not inflated; floor obscurely ridged; plants 1-3 dm tall; basal rosette persistent; **subalpine meadows** in wc&cNM (SO San Mateo & Magdalena Mts); 9500-10,100 ft; Jul-Aug (Oct); RARE
- *P. pseudoparvus* Crosswhite
- 42 Stems** obscurely puberulent; flowers drooping to horizontal, never ascending; corollas little inflated; floor moderately ridged; plants 1.5-4 dm tall; basal rosette present or absent at anthesis; **meadows & moist woods** in wc&ncNM (CA, CI, MC, SA, SO) to ecAZ (White Mts); 8200-11,400 ft; Jun-Aug *P. oliganthus* Woot. & Standl.
- 29 Inflorescence** not glandular (glabrous or puberulous)
- 43 Inflorescence** not at all secund; flowers 10-14 mm long, in dense fascicles usually separated by long intemodes; slopes, **meadows, forests** in nNM (CO, RA, SA, SJ, TA), nAZ, wCO, neUT, seWY; 7000-10,800 ft; Jul-Aug (Sep) *P. rydbergii* A.Nels.
- 43 Inflorescence** at least somewhat secund, often distinctly so; flowers 15-40 mm long, not in dense fascicles, or if so, the fascicles not separated by long intemodes
- 44 Leaves** large & broad, lance ovate or oblong; inflorescence usually broad and compact; corolla 30-40 mm long; stems usually densely leafy; **plains & low mountains** in neNM (CO, UN) & seCO; 5200-6700 ft; Jun-Aug *P. glaber* Pursh var. *brandegei* (Porter) Freeman (*P. alpinus* Torr. subsp. *brandegei* (Porter) Harrington)
- 44 Leaves** linear or lanceolate; inflorescence usually narrow and elongated; corolla 15-38 mm long
- 45 Anthers** glabrous, not explanate; staminode hairy or glabrous
- 46 Staminode** with tuft of golden hairs at tip; corolla blue purple, violet purple, occasionally paler, 16-25 mm, base of lower lobes white bearded; sepals 4-9mm; NM (CA, CI), ecAZ (fairly common); 7500-11,280 ft; Jul-Sep; RARE
- *P. deaveri* Crosswhite
- 46 Staminode** glabrous
- 47 Corolla** 25-35 mm long, 10-17 mm wide, usually strongly white bearded at base of lower lobes; **sepals** 4-8 mm long; plants glabrous; MM (LI, OT) endemic to Capitan & Sacramento Mts but not rare; 6000-9000 ft; Jul-Aug
- *P. neomexicanus* Wool. & Standl.
- 47 Corolla** 17-28 mm long, 7-10 mm wide, glabrous or lightly white bearded at base of lower lobes; **sepals** 2-4 mm long
- 48 Plants** puberulous; **mountain valleys & hillsides** in nc,wc,swNM (BE, CA, CO, GR, LU, MC, RA, SA, SF, SI, M, TA, TO) & ncAZ; 7000-11,000 ft; Jul-Aug... *P. virgatus* Gray subsp. *virgatus*
- 48 Plants** glabrous; uncommon in ncNM (CO) but abundant in Front Range, CO; 5500-9500 ft; Jul *P. virgatus* Gray subsp. *asa-grayii* Crosswhite
- 45 Anthers** pubescent (sometimes very sparsely), not opening proximal 1/6 1/4, sutures spinescent; staminode glabrous to short bearded
- 49 Anthers** with flexuous hairs < length of sac; **staminode** short bearded on distal half; calyx 8-10 mm long, segments usually lanceolate, acuminate or caudate, lower margins scarios, erase; **corolla** pale blue to lavender; nwNM (RA, SJ), seUT, swCO, neAZ; 5500-9200 ft; Jun-M *P. strictiformis* Rydb (*P. strictus* Benth. subsp. *strictiformis*)

- 49 Anthers** usually densely villous (sometimes sparsely so) with hairs greater than or equalling the length of the sac; **staminode** glabrous or with a few hairs at the tip; calyx 3-6 (8) mm long, segments usually ovate, rounded 50
Inflorescence narrow, **cymes** 1-2 flowered on short, usually appressed **peduncles & pedicels**; **corolla** deep blue, 18-32 mm long; **anthers** less densely pubescent than *P. comarrhenus*, cells not obscured, occasionally very sparse; **plains, meadows, wooded slopes in sagebrush, oak, PJ, PIPO & fir** in NM (BE, CA, CI, CO, MC, RA, SA, SJ, TA, TO), neAZ, wCO, UT, sWY; 7200-10,500 ft; Jun-Aug.....*P. strictus* Benth.
49 Inflorescence usually broader, **cymes** often much-branched, **peduncles & pedicels** elongate & divaricate; **corolla** pale blue to lavender, 25-38 mm long; **sagebrush, PJ, oak, PIPO** in nwNM (SJ), swCO, UT, neAZ, NV; 5200-9000 ft; Jun-Aug.....*P. comarrhenus* Gray 03

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SPECIES LISTED IN THIS KEY⁴

<i>alamosensis</i>	<i>buckleyi</i>	<i>deaveri</i>	<i>inflatus</i>	<i>ophianthus</i>	<i>rydbergii</i>
<i>albidus</i>	<i>campanulatus</i> *	<i>eatonii</i>	<i>jamesii</i>	<i>palmeri</i>	<i>secundiflorus</i>
<i>ambiguus</i>	<i>cardinalis</i>	<i>fendleri</i>	<i>lanceolatus</i> **	<i>parviflorus</i> **	<i>strictiformis</i>
<i>angustifolius</i>	<i>cobaea</i>	<i>glaber</i> ***	<i>lentus</i>	<i>pinifolius</i>	<i>strictus</i>
<i>auriberbis</i>	<i>comarrhenus</i>	<i>gracilis</i>	<i>linarioides</i>	<i>pseudospectabilis</i>	<i>superbus</i> **
<i>barbatus</i>	<i>crandallii</i>	<i>grandiflorus</i> *	<i>neomexicanus</i> **	<i>ramosus</i>	<i>thurberi</i>
<i>breviculus</i>	<i>dasyphyllus</i>	<i>griffinii</i>	<i>oliganthus</i>	<i>rostiflorus</i>	<i>virgatus</i>
					<i>whippleanus</i>

*not listed by Lindgren and Wilde **not listed in Key

***alternative nomenclature given in Key as *P. alpinus subsp brandegei* and *P. glaber v brandegei*; Lindgren and Wilde list only *P. brandegeei*, but not *P. glaber*

⁴ In a few cases, this key differs from the Penstemons listed by Lindgren in Wilde. These are noted in the table.