

229. *Primula amoena* M. Bieb., Fl. Taur.-Cauc. 1: 138 (1808).
 Syn.: *P. elatior* var. *amoena* Duby, *P. kusznetzovii* Fedorov,
P. meyeri Rupr., *P. elatior* subsp. *meyeri* (Rupr.) Valentine et Lamond
 Small caespitose herb 6-15 cm, with short rhizome and cord-like
 roots. **Leaves** long obovate, 5-10 × 2.5-4 cm, glabrous above, grey
 tomentose below, irregularly dentate on margin, finely reticulate
 by veins submersed under surface, with cuneate base tapering to
 short winged petioles, 3-4 × shorter than blade. **Scapes** longer than
 leaves bearing umbels of 2-7 flowers. **Flowers** large, 20-25 mm,
 variable in colour from dark purple or violet blue to pale blue;
 bracts linear setiform to lanceolate, peduncles longer than bracts;
 calyx tubular, angular; corolla tube narrow, 1.5 × longer than calyx,
 lobes widely obcordate, shallowly bifid. Seed **capsules** as long as
 the calyx; **seeds** angular, dark brown.

Fl. VI-VII. **Fr.** VIII.

Habitat: Alpine meadows, among rocks near melting snow, in
 subalpine and alpine zones, 1700-3300 m.

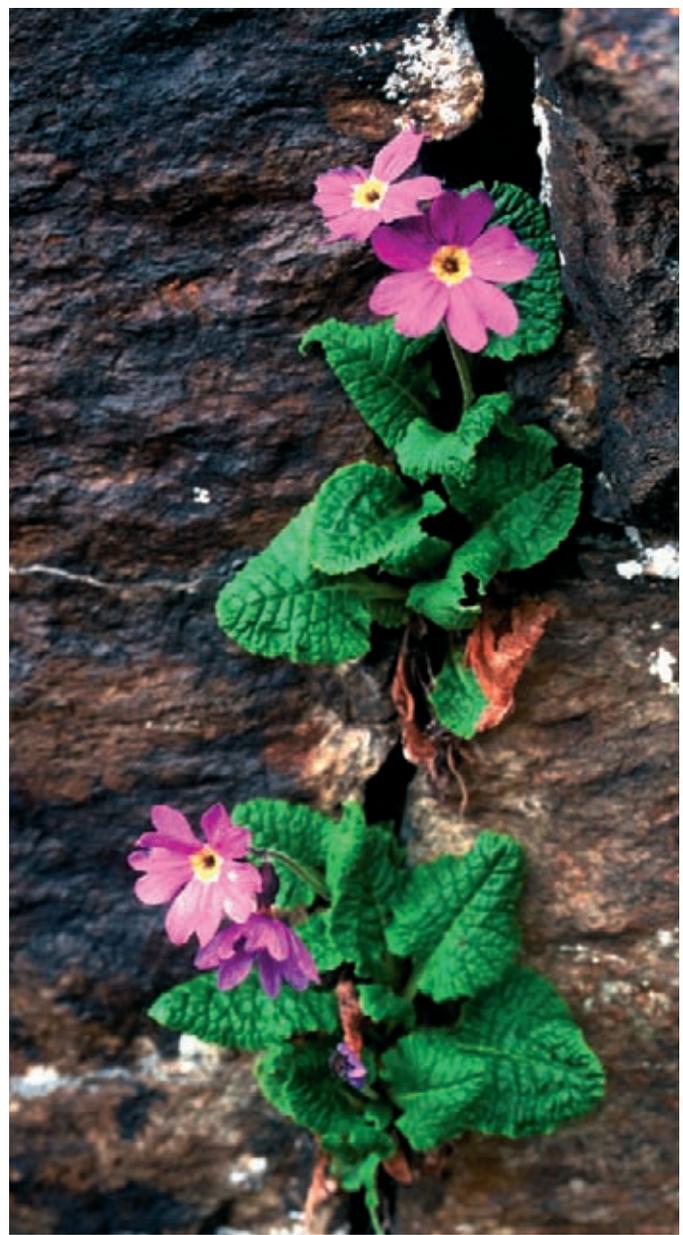
Distribution: Common in W. half of the area including N.E.
 Turkey but rare in E. Caucasus and E. Transcaucasia. Endemic.

Cultivation: On a cold northern slope in humus-rich soil, with
 good drainage.

229 a. *Russia: Dombaj, 3000, PK.*

229 b.c. *Russia: Mt. Fisht, 2200 m, Olga N. Bondareva.*

229 d. *White form: Russia/Kabardino Balkaria: Sukansu, 2500 m, VH.*



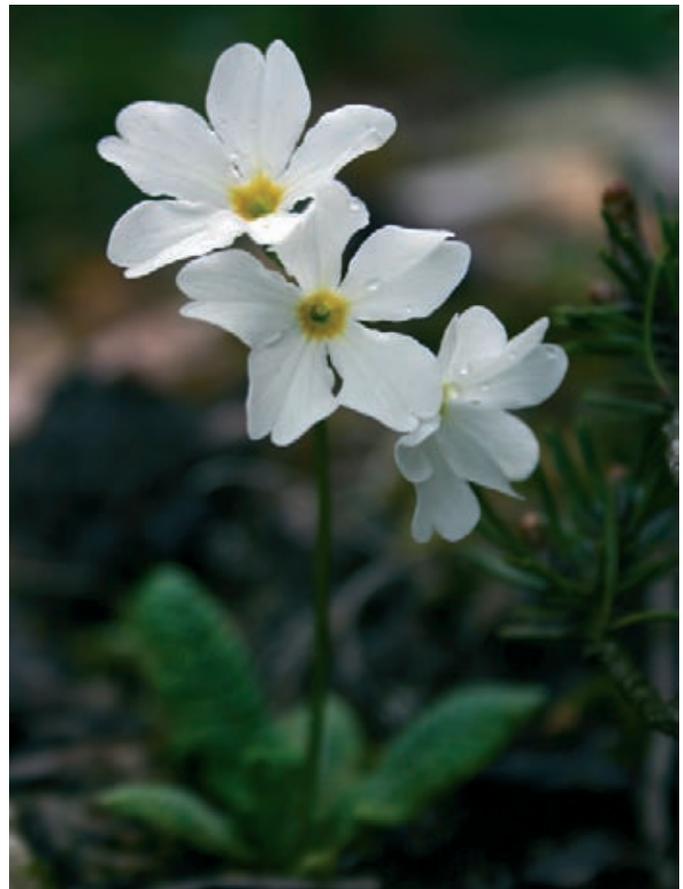
229 a



229 b



229 c



229 d



230. *Primula ruprechtii* Kusn. in Delect. Pl. Exs. 2: 51 (1899).

Syn.: *P. elatior* ssp. *ruprechtii* (Kusn.) Harrison, *P. leucophylla* var. *ruprechtii* (Kusn.) Pax, *P. amoena* var. *flava* Rupr.

Small caespitose herb 10-20 cm, with short rhizome and many cord-like roots. **Leaves** long elliptic, 6-12 cm, glabrous above, grey tomentose below, crenate dentate with bent margin, finely reticulate by veins submersed under surface, with cuneate base tapering to winged petioles. **Scapes** hairy, twice the length of the leaves bearing umbels of 3-8(10) flowers. **Flowers** large, 20-25 mm, pale yellow; bracts 2-3, small and lanceolate, peduncles hairy; calyx cylindrical; corolla tube short, surpassing calyx, lobes widely obovate, deeply bifid. Seed **capsules** ovate, same length as calyx; seeds large, angular, dark brown. **Fl.** VII. **Fr.** VIII.

Habitat: Alpine meadows in subalpine and alpine zones, 1600-3500 m.

Distribution: Throughout the whole area, more abundant in Central Caucasus. Endemic.

Cultivation: On cold northern slope in humus-rich soil, with good drainage.

230. *Russia/Kabardino-Balkaria: near Verchnaya Balkaria, 2400 m. PK.*