

Lupinus bicolor Lindl., MINIATURE LUPINE, DOVE LUPINE. Annual, taprooted, erect with ascending lateral shoots, 10–40 cm tall; shoots short-pilose with mostly ascending hairs or ± strigose-sericeous with loosely appressed hairs; roots nodulated. **Stems:** cylindric, to 2.5 mm diameter, light green, short-pilose to strigose. **Leaves:** helically alternate, palmately compound with (5–)7–9 leaflets, long-petiolate without pulvinus, with stipules; stipules 2, attached to base of petiole as a narrow wing for 2–5 mm, free tip ascending, narrowly linear to narrowly triangular, 3–5 mm long, green, often becoming red or purplish red along margins and at tip; petiole (10–)18–67 mm long, often > blade and ascending; petiolule pulvinuslike, < 0.7 mm long, nongreen; blades of leaflets narrowly elliptic to narrowly oblanceolate, 5–30 × 1–4 mm, folded upward from midrib, narrowly tapered at base, entire, acute to obtuse at tip, pinnately veined but with only midrib conspicuous, scattered short-pilose or loosely strigose-sericeous and lacking hairs with swollen bases. **Inflorescence:** raceme, terminal, 10–55 mm long (excluding peduncle), 7–18-flowered, flowers generally clustered in pseudowhorls of 4–5 flowers (sometimes helically arranged or in pseudowhorls at lower nodes and alternate above), bracteate, short-pilose and strigose; bract subtending peduncle leaflike; peduncle 10–65 mm long; rachis with ridge descending from each bractlet; bractlet subtending pedicel short-petiolate and lanceolate, 2.5–4 mm long, light green at base and dark green above becoming reddish from acute tip downward, hairy, early-deciduous above base leaving a shelflike, persistent petiole < 0.5 mm long; pedicel 1.5–3.3 mm long, light green becoming purplish red and with bractlet petiole becoming swollen in developing fruit. **Flower:** bisexual, bilateral, pealike (papilionaceous), 2.5–3.5(–4) mm across, 5–6(–9) mm long; **calyx** 2-lipped, with 5 teeth and lobes, 3.5–5 mm long, green with red-purple at tips, densely pubescent to short-pilose; tube 1–1.5 mm long; upper lip deeply 2-lobed, lobes acuminate-lanceolate, 1.8–2.7 mm long, membranous along outer margin; lower lip generally 3-toothed (sometimes unequally divided between teeth), teeth ca. 0.5 mm long and sometimes unequal in width; **petals** 5, violet-blue and white, pink, or all white (tinged) with pink), glabrous; banner obovate, 4.3–5.5(–8) × 2.8–3.6(–4) mm, initially folded but eventually curving upward, slightly keeled on outer surface and longitudinally 2-ridged on inner (upper) surface (ridges separated by groove formed by keel of outer surface), marginally violet-blue (pink) and sometimes tinged with pink on outer (distal) edge of blue areas and on margin approaching tip, with a white to creamy white central area extending to margin approaching tip, sometimes yellowish along ridges, having several dark purplish, elongate or small spots (various sizes) along ridges above midpoint; wings 2, weakly fused along lower (outer) margin thereby hiding margin of keel, short-clawed, obovate, 4.1–6(–9) × 2–3 mm, violet-blue along upper and exposed margin, whitish along lower, basal margin, with a broad, backward-pointing lobe above claw, keel of 2 partially fused petals, short-clawed, 4–5.6(–9) × 1.7–1.8 mm, claws ca. 0.6 mm long, lower margin curved upward into a slightly 2-toothed tip, upper margin straight or slightly wavy and ciliate above midpoint, whitish with purplish to reddish purple tip (all white); **stamens** 10, monadelphous (10 filaments fused into column); filament column 1.6–3 mm long, whitish, filament free portions 0.8–2 mm alternating long and short, anthers basifixed, dithecal, ca. 0.15 mm long (long filaments) and 0.5 mm long (short filaments), orange-yellow, longitudinally dehiscent; pollen orange-yellow, sticky; **nectary** diffuse at base of stamens and pistil; **pistil** 1; ovary superior, oblong, ca. 2 × 0.7 mm, green, with colorless, appressed hairs;

style ca. 2 mm long, green, curved upward, glabrous, 1-chambered with several ovules attached to upper side; style with whitish hairs on periphery of stigma longer on upper side; stigma terminal, conic or narrowly domed, papillate. **Fruit:** pod (legume), dehiscent by valves twisting, 5–7-seeded, linear, in range 12–20 × 3.5–5 mm, ridged along top and bottom edge, sparsely strigose-sericeous. **Seed:** ± quadrate to circular and biconvex or somewhat compressed side-to-side, 2.2–2.8 mm wide, 1–1.4 mm thick, tan with brown dots and squiggles. Late February–May.

Native. Annual occurring throughout SMM from eastern to western boundaries and less so in SH, growing in full sun, open habitats and recent burns. *Lupinus bicolor* is the common small-leaved lupine in range and has easily recognized small, blue and white flowers (“bicolor”), although rarely a small population can be found lacking the dark pigment, occurring as a pink and white form, or without pigment, thereby being essentially all white.

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