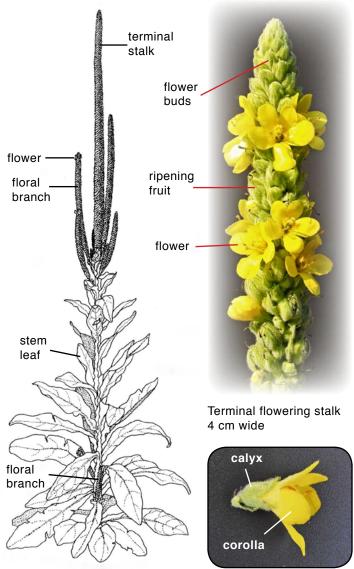
Common Mullein Verbascum thapsus

Scrophulariaceae — Figwort family
by Tom Reaume © 2011 Nature Manitoba

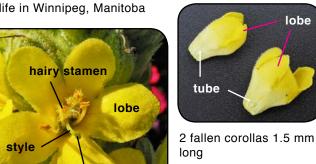
Grant: Manitoba 🐆

A biennial wildflower, solitary or in a small assembly, averages 114 (34–244) cm tall, most parts covered with multi-branched hairs, soft to touch; **taproot** rough, branched, 5–30 cm long by 2–26 mm wide; **side roots** 3–15 cm long by 0.5–1.3 mm wide; in grassy fields, gravelly railway slopes and roadsides.

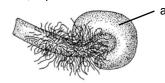
- FLOWERS yellow, blooming June-September; inflorescence a spike, compact, erect, terminal and lateral, forming once then the plant dies, terminal ones 6-110 cm long by 2-4.3 cm wide, often the tallest plants may form 4 (1-20) additional lateral floral branches 2-67 cm long; flowers perfect, sessile, 15-40 mm wide by 12-17 mm long, horizontal to slightly ascending, few to several blooming at once in no obvious order, closing in early afternoon; subtending bracts (of flowers) 3, one large keeled bract and 2 smaller ones c. 9 mm long by c. 2 mm wide, very hairy, entire, reduced above; calvx tubular, 6-9 mm long, 5-lobed, the lobes 4-6 mm long, pointed, erect even in fruit; corollas 1.1-1.9 cm long, 5-lobed (4-), dropping whole while still yellow; corolla tube pale yellow, shiny, 6.5-9.5 mm long, partially hairy, with a flat round basal opening 2.5-3.3 mm wide; corolla lobes ascending to spreading, blunt, 6-11 mm long by 4-10 mm wide, hairy on outside, with microscopic yellow glands at the inner apices; stamens 5, (rarely 4 or 6) yellow, between the corolla lobes, of 2 different lengths, 4.2-7.5 mm long in a large bud; filaments 6-10 mm long depending on position, attached c. 2.5 mm from the base of corolla tube, the 3 shorter upper posterior ones very hairy, the 2 longer lower anterior filaments glabrous to slightly hairy on one side only; anthers orange, arched, hairless, with a suture along the top; pollen bright orange; pistil 1, from 9-14 mm long; ovary very hairy, 5-sided, 2.5-4.5 mm long by 2.5-2.7 mm wide, tapered above; style 6-9 mm long, hairy at base, visible after corolla falls; stigma green, curved, 1-1.3 mm wide by 0.6-0.9 mm tall; fruiting stalks brown, erect, stiff, overwintering; flower to fruit 5-7 weeks.
- FRUIT a capsule, tan, crowded, woody, 6–10.5 mm long by 5–6 mm wide and thick, 2-valved, 2 main sutures open apically, hairy, c. 80 per 10 cm of spike, veined, overwintering and slowly disintegrating on the stalk; **pedicels** 2–5 mm long; **seeds** dark brown, 438 (280–550) per capsule, 0.7–1.3 mm long by 0.4–0.6 mm wide and thick, ribbed and angular.
- LEAVES basal and stem; vegetative rosettes 14 (2–63) cm wide of 5–55 leaves, winter hardy; basal leaves 8–12+, spreading, 13–30 cm long (including petioles) by 3–12 cm wide; petioles pale green, 3–7 cm long by 4–10 mm wide, not grooved above; stem leaves alternate, hairy, imbricate, arched below to erect above, 2–56 cm long by 1–16 cm wide, 19–50 per plant, reduced and sessile above, teeth blunt, wide and shallow, upper blades with wavy margins and twisted pointed tips, the wavy margins continue down the stem forming parallel wavy wings, some stem leaves form axillary leaves.
- STEM erect, tough, branched or not, mostly hidden by wings; 5–30 mm wide near the leafy, solid, hairy base; internodal lengths on four plants 1.2–1.6 m tall were 3.5 (0.9–7.5) cm.
- RANGE: (CAN) 10 provinces; (USA) 48 states; naturalized in North America.



Common Mullein x0.09, 240 cm tall with several floral branches; drawn from life in Winnipeg, Manitoba

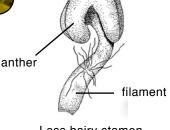


Flower 3.5 cm wide, 5-lobed, 5 stamens, 1 pistil



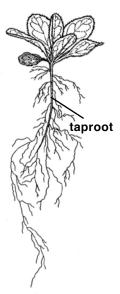
stigma

Hairy stamen x12, in bud

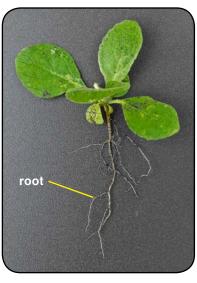


Flower 1.6 cm long

Less hairy stamen x10, in bud



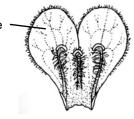
Young rosette x0.6



Young vegetative plant 5 cm wide with a thin taproot



Open corolla 1.7 cm long with 3 hairy stamens



Open corolla x2, with 3 hairy upper stamens



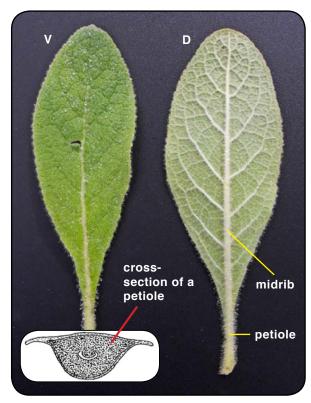
Short hair x40



Open corolla x2, with 2 slightly hairy lower stamens



Rosette 36 cm wide of Common Mullein in Winnipeg, Manitoba



Two leaves – left leaf, hairy ventral (upper) side; insert is a cross-section x5, of winged petiole; right leaf is 5.2 cm wide, dorsal view with raised veins



Long angular hair x25



Long sinuous hair x32



Short wide hair x32

Leaf margin with numerous branched hairs, dorsal side

