

**110. AEGILOPS** Linnaeus, Sp. Pl. 2: 1050. 1753.

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*Aegilops* subg. *Gastropyrum* Jaubert & Spach; *Gastropyrum* (Jaubert & Spach) Á. Löve; *Patropyrum* Á. Löve.

Plants annual. Culms usually erect. Leaf sheath split almost to base; auricles crescent-shaped; leaf blade usually flat. Spike cylindrical, lanceolate, or ovoid, dense; rachis disarticulating below each spikelet into segments. Spikelets 1 per node, sessile and fitting into rachis, cylindrical or turgid, with 2–8 florets; rachilla not jointed, shortly pilose. Glumes rounded abaxially, leathery or cartilaginous, many veined, not keeled, apex truncate or toothed; teeth usually prolonged into longish awns. Lemma oblong or lanceolate, rounded abaxially, leathery-membranous to leathery, 5–7-veined, not keeled, apex usually 1–3-toothed or -awned; callus very short, obtuse. Palea equaling or subequaling lemma, ciliate along keels. Caryopsis free or adherent to lemma and palea, oblong-ovate, furrowed, apex hairy.  $x = 7$ .

About 21 species: mainly in the Mediterranean region, extending into N Africa and eastward to C Asia; one species in China.

In addition, the following mainly Mediterranean species have been recorded as cultivated in China (FRPS 9(3): 39–43. 1987): *Aegilops biuncialis* Visiani, *A. cylindrica* Host, *Aegilops ovata* Linnaeus, *A. triaristata* Willdenow, *A. triuncialis* Linnaeus, *A. umbellulata* Zhukovsky, and *A. ventricosa* Tausch. It is not clear in which sense the ambiguous name *A. ovata* was used: that of *A. geniculata* Roth, which has been its traditional application, or that of *A. neglecta* Requien ex Bertoloni, where its lectotype illustration is said to belong.

**1. Aegilops tauschii** Cosson, Notes Pl. Crit. 69. 1850.

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*Patropyrum tauschii* (Cosson) Á. Löve; *Triticum tauschii* (Cosson) Schmalhausen.

Culms 20–40 cm tall. Leaf sheath glabrous but margin ciliate; ligule 0.5–1 mm, membranous; leaf blade 4–6 × ca. 0.3 cm, scabrous, adaxial surface pilose. Spike cylindrical, with (5–) 7–10(–13) spikelets. Spikelets cylindrical, ca. 9 mm, with 3 or 4(or 5) florets. Glumes 4–6 mm, leathery, 7–9(–10)-veined, apex truncate or slightly toothed. Lemma lanceolate, 5-veined; first lemma ca. 7 mm; awn 1–4 cm. Palea equaling lemma. Fl. and fr. May–Jun.  $2n = 14$ .

Stony slopes, fields of *Triticum*, weedy places. Henan, Shaanxi, Xinjiang [Afghanistan, Kashmir, Kazakhstan, Kyrgyzstan, Pakistan, Russia, Turkmenistan, Uzbekistan; SW Asia].

The name *Aegilops squarrosa* Linnaeus has been misapplied to this species by some authors.

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