

KEY TO THE OHIO MAPLES IN THE WINTER CONDITION.

CHARLES H. FLORY.

Acer, L. Trees or shrubs with fibrous roots; twigs slender or sometimes robust, usually glabrous, green, gray, brown or red, with or without lenticular corky ridges; lenticels sometimes prominent; pith solid, rather small; leaf scars opposite, contiguous or connected by a ridge, sometimes meeting in a free point, either U or V shaped; stipular scars none; bundle scars 3-5; buds short-stalked or sessile; terminal bud present; lateral buds prominent, often three side by side; scales either dry or fleshy, glabrous or pubescent, brown, gray, green or red; bark close or exfoliating, gray, brown or black; wood light colored, usually hard, heavy, strong, stiff and tough, of fine texture or frequently wavy grained; fruit a 2-winged, 2-seeded samara.

1. Twigs green or purplish green, glaucous; axillary buds originally covered by the petioles; buds hairy, not stalked; leaf scars meeting in a free point. *Acer negundo* L. Boxelder.
1. Twigs green, brownish, or reddish, with narrow, white, longitudinal lines; buds large, glabrous, stalked; a shrub or small tree. *Acer pennsylvanicum* L. Striped Maple.
1. Axillary buds not covered by the petiole base; twigs not striped. 2.
2. Older twigs with prominent, longitudinal, corky ridges; cultivated, from Europe. *Acer campestre* L. English Maple.
2. Twigs without corky ridges. 3.

3. Terminal buds large, angular, more or less pointed, glabrous except at the margins of the scales; bud scales very fleshy; twigs robust; not red. 4.
 3. Terminal buds rather small, pointed or obtuse, pubescent, not very angular; scales dry or if rather fleshy then the twigs red or reddish; twigs usually slender. 5.
 4. Twigs slender, brownish or grayish, not glaucous; leaf scars meeting in a free point; buds large, fleshy, slightly greenish to dark red; outer surface of 4-6 inner scales chestnut brown; cultivated.
Acer platanoides L. Norway Maple.
 4. Twigs stout, greenish brown to gray, glaucous; leaf scars usually not contiguous; buds large, fleshy, green or slightly tinged with red; outer surface of inner scales not chestnut brown; twigs with self-pruning scars; cultivated.
Acer pseudo-platanus L. Sycamore Maple.
 5. Twigs closely gray pubescent; buds small, evidently stalked; shrubs or rarely small trees. *Acer spicatum* Lam. Mountain Maple.
 5. Twigs glabrous; buds short-stalked or sessile; large trees. 6.
 6. Buds rounded, robust, fleshy, reddish in color; visible scales 2-8; leaf scars rarely contiguous; twigs with self-pruning scars. 7.
 6. Buds slender, pointed, dry, brownish to brownish gray, sometimes nearly black at tip; visible scales 6-16; leaf scars contiguous or nearly so; twigs without self-pruning scars. 8
 7. Twigs glabrous, brownish to red; bark gray, falling away in large, thin flakes on old trees. *Acer saccharinum* L. Silver Maple.
 7. Twigs glabrous, reddish to red; bark light gray, rough on old trees, but not falling away in large pieces. *Acer rubrum* L. Red Maple.
 8. Twigs reddish brown or buff, mostly glossy; buds conical, acute, gray, pubescent; limb of leaf scars less prominent because of the absence of stipules; ridge connecting leaf scars only slightly pubescent; bark of trunk dark gray or gray, somewhat spreading.
Acer saccharum Marsh. Sugar Maple.
 8. Twigs greenish to gray buff, dull; buds ovoid, conical, often obtuse; limb of leaf scars more prominent because of the presence of stipules; ridge connecting leaf scars prominently pubescent; lenticels prominent and usually many; bark of trunk black, rather close.
Acer nigrum Michx. Black Maple.
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