

Key to Pomaderris Groups

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Key to Groups

1	Leaves ± toothed or margins appearing uneven due to marginal tufts of hairs, secondary veins commonly reaching the margins (rarely looping to the inside) and terminating in minute hairy tufts	Group 1
1*	Leaves entire or rarely slightly crenate, secondary veins either obscure or looping to inside and not reaching the margins	
2	Upper surface of leaves hairy (at least when young)	Group 2
2*	Upper surface of leaves glabrous, sometimes a few hairs along veins	Group 3

Group 1 Local Species in blue – Not so Local Species in orange

NB *P. walshii* not yet included

1	Leaves >5cm long; flowers in loose elongated panicles, 8-25cm long	<i>P. aspera</i>
1*	Leaves <5cm long; flowers in head-like clusters or short panicles.	
2	Leaves regularly <5cm wide	<i>P. pauciflora</i>
2*	Leaves generally >5cm wide.	
3	Lower surface of leaves and young stems densely hairy with long brownish simple hairs above a whitish tomentum.	
4	Upper surface of leaves with sparse to dense simple hairs	<i>P. eriocephala</i>
4*	Upper surface of leaves glabrous.	<i>P. brunnea</i>
3*	Lower surface of leaves and young stems ± hoary with stellate hairs, rusty, whitish or greenish.	
5	Upper leaf surface sparsely to densely hairy.	
6	Leaves stellate-hairy on both surfaces, lower surface greenish, epidermis visible between the stellate hairs.	<i>P. aspera x cinerea</i>
6*	Leaves with simple hairs on upper surface, lower surface closely tomentose, whitish to rusty-coloured, epidermis not visible between hairs.	
7	Flowers shortly pedicellate in short panicles, bracts falling early; stigma divided almost to base.	<i>P. prunifolia</i>
7*	Flowers sessile in dense head-like clusters surrounded by bracts, bracts persistent until flowers open: stigma divided to about mid-way.	<i>P. betulina</i>
5*	Upper leaf surface glabrous or almost so.	
8	Leaves elliptic to obovata, 15-40mm long, 8-22mm wide, margins without a whitish border; hypanthium, sepals and capsule with long simple hairs over a short whitish tomentum; chiefly on the coast and ranges, west to Burrinjuck (SWS)	<i>P. betulina</i>
8*	Leaves ovate to broad-ellipti, usuallu 10-20mm long, 5-15mm wide, margins often with a narrow whitish border; hypanthium, sepals and capsule with only stellate hairs; doubtfully in far western NSW (FWP)	<i>P. paniculosa</i>

Group 2

1	Leaves ± narrow-oblong, lamina usually <6mm wide and mostly <20mm long; flowers in short axillary cymes forming narrow terminal leafy panicles.	
2	Leaves <1.5mm wide, ± terete, margins strongly revolute, lower surface of lamina not visible.	<i>P. phyllicifolia</i> (ssp. <i>ericoides</i>)
2*	Leaves generally >1.5mm wide, ± flat, margins recurved but at least part of lower surface of lamina visible.	
3	Secondary veins not apparent on either surface, lamina usually <3mm wide;	

	capsule glabrous or hairy.	
4	Capsule and ovary glabrous, capsule blunt, almost entirely exerted from shortly tomentose hypanthium.	
5	Upper surface of leaves bristly with scattered stellate hairs; leaves \pm narrow-oblong, margins recurved.	<i>P. angustifolia</i>
5*	Upper surface of leaves bristly with scattered simple hairs; leaves narrow-elliptic to oblanceolate, \pm flat.	<i>P. helianthemifolia</i>
4*	Capsule and ovary hairy, capsule acute, immersed for about a third of its length in the tomentose hypanthium.	<i>P. phyllicifolia</i>
3*	Secondary veins visible on both surfaces of leaves or rarely apparent on lower surface; lamina mostly $>3\text{mm}$ wide; capsule hairy.	
6	Upper surface of leaves velvety with a covering of minute stellate hairs.	<i>P. pallida</i>
6*	Upper surface of leaves bristly with scattered simple hairs, sometimes hairs clustered	
7	Leaves with margins \pm crenate, primary and secondary veins conspicuously impressed on upper surface.	<i>P. pauciflora</i>
7*	Leaves with margins entire, usually only primary vein impressed on upper surface.	<i>P. phyllicifolia</i>
1*	Leaves broader, lanceolate to \pm circular, leaves usually $>5\text{mm}$ wide and mostly $>20\text{mm}$ long (or if 20mm long then lamina \pm circular to broad-ovate or elliptic); flowers in terminal generally leafless panicles, often corymbose or in dense head-like clusters.	
8	Leaves mostly $<8\text{mm}$ long and $<6\text{mm}$ wide; lower surface of leaves and branchlets coarsely stellate-hairy.	<i>P. elachophylla</i>
8*	Leaves mostly $>10\text{mm}$ long and $>6\text{mm}$ wide, if smaller then lower surface of leaves and branchlets finely stellate-hairy.	
9	Leaves rusty-hairy on lower surface at least along the secondary veins, young stems and leaves usually densely rusty-hairy with long rusty hairs.	
10	Flowers 3-5mm long; petals present; leaves often $>30\text{mm}$ long.	
11	Upper surface of leaves with sparse to moderately dense simple hairs, often \pm bristly; secondary and usually tertiary veins distinct on lower surface of lamina; lamina lanceolate to ovate, sometimes elliptic, apex \pm acute to rounded.	<i>P. lanigera</i>
11*	Upper surface of leaves with short dense simple hairs, velvety; only secondary veins distinct on lower surface; lamina \pm oblong to circular, apex obtuse to emarginate.	<i>P. vellea</i>
10*	Flowers 2-2.5mm long, in head-like clusters or short panicles; petals present or absent; leaves mostly $<30\text{mm}$ long.	
12	Secondary veins commonly terminating in minute hair tufts, margins \pm crenate to toothed, upper leaf surface \pm scabrous, hairs sparse; petals absent.	See Group 1
12*	Secondary veins looping to inside of margins, margins entire, upper leaf surface \pm velvety, hairs dense; petals generally present (mostly absent in <i>P. cocoparrana</i>)	
13	Flowers \pm sessile in relatively compact clusters, bracts usually persistent until fruit formed.	<i>P. subcapitata</i>
13*	Flowers pedicellate in loose panicles, bracts falling before flowers open.	
14	Leaves oblong to \pm elliptic: upper surface dull grey-green; petals usually present; species of the coast and ranges.	<i>P. velutina</i>
14*	Leaves ovate to \pm circular, upper surface \pm shining dark green; petals usually absent; western species.	
15	Hairs on upper surface of leaves sparse; simple hairs on young stems and lower surface of leaves stellate; coast and ranges.	<i>P. cocoparrana</i>
15*	Hairs on upper surface of leaves dense (but very	<i>P. cotoneaster</i>

		short); simple hairs on young stems and leaf lower surface mostly simple; inland species.	
9*		Mature leaves not rusty on lower surface; young stems and leaves not or rarely rusty, if rusty then long spreading rusty hairs absent.	
16		Upper surface of leaves with a dense very fine soft pubescence, ± velvety, sometimes hairs very sparse.	
17		Leaves usually <15mm long; obovate to ± circular; 0.6-2cm long, 5-14mm wide.	<i>P. brogoensis</i>
17*		Leaves usually >15mm long; ovate, elliptic to broad-ovate, 1-5cm long, 8-20mm wide.	
18		Leaves greyish on upper surface; coastal ranges of the south coast, SC, ST.	<i>P. cinerea</i>
18*		Leaves green on upper surface; inland ranges and upper Hunter Valley: CWS, NC, CC.	
19		Petals absent; chiefly in and near the Rylstone-Bylong area, also gorges near Hillgrove.	<i>P. precaria</i>
19*		Petals present; confined to the Denman area.	<i>P. reperta</i>
16*		Upper surface of leaves ± bristly, not velvety, hairs scattered to very sparse.	<i>P. cotoneaster</i>

Group 3

1		Most leaves small, either <10 mm wide or mostly <30 mm long	
2		Secondary veins obscure on lower surface; leaves <4 mm wide, generally 10–15 mm long	
3		Petals absent; stems and lower surface of leaves with long fawnish to golden-brown hairs, margins prominently recurved	
4		Hairs on new growth and lower surface of leaves short and appressed, shining golden-brown	<i>P. sericea</i>
4*		Hairs on new growth and lower surface of leaves long and spreading, fawnish above a short whitish tomentum	<i>P. mediora</i>
3*		Petals present; stems and lower leaf surface with short whitish hairs, margins thickened but not always recurved	<i>P. ledifolia</i>
2*		Secondary veins distinct on lower surface; leaves usually >4 mm wide and 10–30 mm long	
5		Leaves with secondary veins looping and not reaching the margins, margins entire and without hair tufts.	
6		Species growing south from Sydney	
7		Lower surface of leaves appearing silky, with a short greyish tomentum and longer forwardly appressed rusty hairs; upper surface of leaves often wrinkled; secondary veins usually >6 pairs	<i>P. andromedifolia</i>
7*		Lower surface of leaves not appearing silky, with a short greyish tomentum, all hairs ± the same length; upper surface of leaves smooth; secondary veins 3–6 pairs	
8		Petals absent; species confined to the escarpment ranges inland from Moruya (SC)	<i>P. gilmourii</i>
8*		Petals present on most flowers (but sometimes fewer than 5); confined to Sublime Point (CC) and Bungonia-Goulburn area (ST)	
9		Flowers cream; leaves 3–8 mm wide, confined to Sublime Point	<i>P. adnata</i>
9*		Flowers golden-yellow; leaves 5–15 mm wide; restricted to the Bungonia-Goulburn area (ST)	<i>P. delicata</i>
6*		Species growing north from the upper Hunter Valley	
10		Sepals 1.5–2 mm long; petals absent; chiefly from Guyra district to Gibraltar Range National Park	<i>P. ligustrina</i>

10*	Sepals 2–2.5 mm long; petals usually present; mostly north from Gibraltar Range National Park, also near Wingen, Hillgrove and Inverell	<i>P. argyrophylla</i>
5*	Leaves with secondary veins reaching the margins (rarely looping to inside) and commonly terminating in minute hair tufts, margins ± crenate	See Group 1
1*	Most leaves larger, >10 mm wide and mostly >25 mm long (leaves associated with inflorescences often smaller)	
11	Lower surface of leaves silvery- or rusty-hairy; secondary veins regularly arranged, tertiary veins sometimes obscure; flowers mostly pale when fresh, cream to whitish	
12	Lower surface of mature leaves silvery or whitish (rarely rusty) with a dense covering of hairs of similar length (veins, margins and petioles sometimes rusty), new growth and young stems with ± short dense coppery to reddish hairs; tertiary veins usually not apparent	
13	North from Barrington Tops; petals usually present, falling early	
14	Lower surface of leaves not silky, tomentum of short curly hairs and sometimes with longer straight hairs; leaves mostly >5 cm long; sepals 1.3–2.5 mm long	<i>P. argyrophylla</i>
14*	Lower surface of leaves silky with hairs lying in the same direction; leaves generally <5 cm long; sepals 2–2.5 mm long	<i>P. nitidula</i>
13*	South of Barrington Tops, chiefly on the SC and ST; petals absent or present	
15	Petals present; sepals 2.5–3 mm long	<i>P. parrisiae</i>
15*	Petals absent; sepals 1.5–2.2 mm long	
16	Leaves lanceolate to oblong, >3 times as long as wide; hairs on new growth coppery-coloured to crimson; secondary veins on lower surface of leaves visible but immersed within hair layer	<i>P. virgata</i>
16*	Leaves ovate to broad-ovate or elliptic, <3 times as long as wide; hairs on new growth fawn to golden; secondary veins on lower surface of leaves protruding above hair layer between veins	
17	Leaves with >6 pairs of secondary veins; simple hairs on young growth very dense, <0.4 mm long, forming an even, distinctly rusty layer	<i>P. costata</i>
17*	Leaves with 4–6 pairs of secondary veins; simple hairs on young growth thread-like, the longest >0.5 mm, forming a sparse, uneven layer over the short grey stellate tomentum	<i>P. bodalla</i>
12*	Lower surface of leaves ± rusty with loose simple rusty hairs longer than the paler short tomentum, especially rusty along veins; new growth and young stems with long spreading rusty hairs; tertiary veins obscure or apparent	
18	Leaves either usually <15 mm wide or <3 cm long; lower surface with longer forwardly appressed hairs, hairs usually obscuring tertiary veins; either petals auriculate and margins toothed or petals absent	
19	Petals auriculate, margins toothed; lower surface of leaves pale, sometimes rusty, with secondary veins distinct	<i>P. andromedifolia</i>
19*	Petals absent; lower surface of leaves generally rusty with secondary veins often obscure	<i>P. ligustrina</i>
18*	Leaves usually >15 mm wide and >3 cm long; lower surface with longer curly rusty hairs above whitish tomentum, tertiary veins generally apparent; petals usually present, entire and narrow or petals absent	
20	Simple hairs on lower surface of leaves and young stems appressed to spreading, straight or curved but not flexuous; leaves with apex acute to obtuse; widespread south of Stroud	<i>P. ferruginea</i>
20*	Simple hairs on lower surface of leaves and young stems spreading, flexuous, rusty, very dense, appearing woolly; leaves with apex	<i>P. crassifolia</i>

	obtuse; north of Gloucester district (NC)	
11*	Lower surface of leaves dull greyish to whitish hairy, rarely with rusty hairs on midvein; secondary veins not regularly arranged, tertiary veins usually distinct on lower surface; flowers cream to yellow	
21	Stems and at least main veins on lower surface of leaves with scattered long hairs over short whitish tomentum	
22	Petals present, auriculate	<i>P. intermedia</i>
22*	Petals usually absent, if present then not auriculate	
23	Long hairs usually confined to main veins on lower leaf surface; margins recurved or not recurved.	
24	Leaf margins recurved; leaves pointed at apex; simple hairs on lower surface pale	<i>P. discolor</i>
24*	Leaf margins not recurved; leaves obtuse; simple hairs on lower surface rusty	<i>P. pilifera</i>
23*	Long hairs scattered over lower leaf surface as well as veins; margins not recurved	<i>P. queenslandica</i>
21*	Branches and lower surface of leaves, including veins, covered with short tomentum, longer simple hairs \pm absent	
25	Petals absent; rare species, north from Mt Warning	<i>P. notata</i>
25*	Petals present, \pm auriculate; widespread species, south of Taree	<i>P. elliptica</i>