

## Key to Pomaderris Groups

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### Key to Groups

|           |   |                |
|-----------|---|----------------|
| <b>1</b>  | 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 | <b>Group 1</b> |
| <b>1*</b> | Leaves entire or rarely slightly crenate, secondary veins either obscure or looping to inside and not reaching the margins  |                |
| <b>2</b>  | Upper surface of leaves hairy (at least when young)   | <b>Group 2</b> |
| <b>2*</b> | Upper surface of leaves glabrous, sometimes a few hairs along veins   | <b>Group 3</b> |

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

NB *P. walshii* not yet included

|           |   |                            |
|-----------|---|----------------------------|
| <b>1</b>  | Leaves >5cm long; flowers in loose elongated panicles, 8-25cm long  | <i>P. aspera</i>           |
| <b>1*</b> | Leaves <5cm long; flowers in head-like clusters or short panicles.  |                            |
| <b>2</b>  | Leaves regularly <5cm wide  | <i>P. pauciflora</i>       |
| <b>2*</b> | Leaves generally >5cm wide.   |                            |
| <b>3</b>  | Lower surface of leaves and young stems densely hairy with long brownish simple hairs above a whitish tomentum.   |                            |
| <b>4</b>  | Upper surface of leaves with sparse to dense simple hairs   | <i>P. eriocephala</i>      |
| <b>4*</b> | Upper surface of leaves glabrous.   | <i>P. brunnea</i>          |
| <b>3*</b> | Lower surface of leaves and young stems ± hoary with stellate hairs, rusty, whitish or greenish.  |                            |
| <b>5</b>  | Upper leaf surface sparsely to densely hairy.   |                            |
| <b>6</b>  | Leaves stellate-hairy on both surfaces, lower surface greenish, epidermis visible between the stellate hairs.   | <i>P. aspera x cinerea</i> |
| <b>6*</b> | Leaves with simple hairs on upper surface, lower surface closely tomentose, whitish to rusty-coloured, epidermis not visible between hairs.   |                            |
| <b>7</b>  | Flowers shortly pedicellate in short panicles, bracts falling early; stigma divided almost to base.   | <i>P. prunifolia</i>       |
| <b>7*</b> | 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>         |
| <b>5*</b> | Upper leaf surface glabrous or almost so.   |                            |
| <b>8</b>  | 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>         |
| <b>8*</b> | 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

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

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|     | 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 $>3$ 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 $>5$ mm wide and mostly $>20$ 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 $<8$ mm long and $<6$ mm wide; lower surface of leaves and branchlets coarsely stellate-hairy.   | <i>P. elachophylla</i>     |
| 8*  | Leaves mostly $>10$ mm long and $>6$ 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 $>30$ 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 $<30$ 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.   | <b>See Group 1</b>         |
| 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>     |

|            |  |                          |
|------------|--|--------------------------|
| <b>10*</b> | 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>   |
| <b>5*</b>  | Leaves with secondary veins reaching the margins (rarely looping to inside) and commonly terminating in minute hair tufts, margins ± crenate   | <b>See Group 1</b>       |
| <b>1*</b>  | Most leaves larger, >10 mm wide and mostly >25 mm long (leaves associated with inflorescences often smaller)   |                          |
| <b>11</b>  | Lower surface of leaves silvery- or rusty-hairy; secondary veins regularly arranged, tertiary veins sometimes obscure; flowers mostly pale when fresh, cream to whitish  |                          |
| <b>12</b>  | 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 |                          |
| <b>13</b>  | North from Barrington Tops; petals usually present, falling early  |                          |
| <b>14</b>  | 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>   |
| <b>14*</b> | 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>       |
| <b>13*</b> | South of Barrington Tops, chiefly on the SC and ST; petals absent or present   |                          |
| <b>15</b>  | Petals present; sepals 2.5–3 mm long   | <i>P. parrisiae</i>      |
| <b>15*</b> | Petals absent; sepals 1.5–2.2 mm long  |                          |
| <b>16</b>  | 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>        |
| <b>16*</b> | 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  |                          |
| <b>17</b>  | 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>        |
| <b>17*</b> | 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>        |
| <b>12*</b> | 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   |                          |
| <b>18</b>  | 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  |                          |
| <b>19</b>  | Petals auriculate, margins toothed; lower surface of leaves pale, sometimes rusty, with secondary veins distinct   | <i>P. andromedifolia</i> |
| <b>19*</b> | Petals absent; lower surface of leaves generally rusty with secondary veins often obscure  | <i>P. ligustrina</i>     |
| <b>18*</b> | 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   |                          |
| <b>20</b>  | 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>     |
| <b>20*</b> | 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)  |                         |
| <b>11*</b> | 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 |                         |
| <b>21</b>  | Stems and at least main veins on lower surface of leaves with scattered long hairs over short whitish tomentum   |                         |
| <b>22</b>  | Petals present, auriculate   | <i>P. intermedia</i>    |
| <b>22*</b> | Petals usually absent, if present then not auriculate  |                         |
| <b>23</b>  | Long hairs usually confined to main veins on lower leaf surface; margins recurved or not recurved.   |                         |
| <b>24</b>  | Leaf margins recurved; leaves pointed at apex; simple hairs on lower surface pale  | <i>P. discolor</i>      |
| <b>24*</b> | Leaf margins not recurved; leaves obtuse; simple hairs on lower surface rusty  | <i>P. pilifera</i>      |
| <b>23*</b> | Long hairs scattered over lower leaf surface as well as veins; margins not recurved  | <i>P. queenslandica</i> |
| <b>21*</b> | Branches and lower surface of leaves, including veins, covered with short tomentum, longer simple hairs $\pm$ absent   |                         |
| <b>25</b>  | Petals absent; rare species, north from Mt Warning   | <i>P. notata</i>        |
| <b>25*</b> | Petals present, $\pm$ auriculate; widespread species, south of Taree   | <i>P. elliptica</i>     |