Australian Bird Study Association Inc. - Bird in the Hand (Second Edition), published on www.absa.asn.au - Revised September 2020



Morphometrics

	Adult Male	Adult Female
Wing:	99 – 119 mm	99 – 110 mm
Tail:	87 – 109 mm	86 – 105 mm
THL:	43.1 – 45.9 mm	40.6 – 42.9 mm
Bill:	21.5 – 24.3 mm	19.2 – 22.7 mm
Tarsus:	21.5 – 24.3 mm	19.6 – 25.9 m
Weight:	41 – 45.5 g	33 – 41 g

Ageing:

Bill:	Adult (2+) black with light grey-brown	Immature brownish-black;	Juvenile yellowish;
_	base to lower mandible;		
Gape:	light grey-brown;	fleshy yellow;	bright yellow-orange to pale yellow;
Iris:	dark red-brown;	brown;	brownish-grey;
Bare facial skin:	normally dirty yellow with pink tinge, some light brown, buff or pink-buff with warty nodules;	blue-grey & smooth until about 9 months of age when first warts develop;	small, smooth and pinkish -grey;
Mantle:	adult male – black upper mantle, but rest is scalloped by broad pale yellow fringes to feathers; adult female – all black;	initially brown but moults to black (like adult female) by about 9 months of a age:	

Juveniles moult to an immature plumage within 3 months of fledging, but undergo a further moult to adult female-like plumage toward the end of the first year;

Complete moult to adult plumage early in second year, coinciding with adult post-breeding moult. Thus adults aged (2+).

Sexing:

Males are larger than females in most measurements and have more heavily marked underparts; Males tend to have larger bare facial skin patch than females and more wartiness; Mantle also differs (see above); Only females incubate.