

This appears to be a rare form and is much like *mephistaria* Swett except for the differences noted, viz., the wider, heavier median band and different shade of colour. In this variety, as well as *mephistaria*, the central band is solid black or reddish black, and the extradiscal and intradiscal lines can barely be seen.

*Holotype*.—♂, Victoria, B. C., April 25, 1915, E. H. Blackmore, in coll. Swett.

*Allotype*.—♀, Victoria, B. C., May 2, 1915, in coll. Blackmore.

*Paratypes*.—♂, Victoria, B. C., April 25, 1915, in coll. Blackmore; ♂, Victoria, B. C., June 2, 1914, E. H. Blackmore, in coll. Swett.

This includes all the forms of *Xanthorhœ defensaria* that might lead to confusion and they are connected by every intergradation, but I think it worth while only to describe the extreme forms, where I have a good series.

Summary of the varieties of *Xanthorhœ defensaria* Guen:—

	Time of appearance	Med. band of fore wing.	Outer border or outer third of fore wing.
<i>X. defensaria</i> Gn.	July 3—Aug. 31. (summer form).	Reddish chocolate (♀). Light brown suffused with blackish (♂).	Dark gray.
1. Var. <i>californiata</i> Pack.?— <i>amorata</i> Hulst.	July 3—Sept. (summer form).	4. Bright reddish brown (♀). ♂ unknown, probably like typical form.	Light gray.
2. Var. <i>conciliaria</i> Swett.	July 23—Sept. 18. (summer form).	18. Reddish cinereous, almost blackish (♂ ♀).	Ochre yellow, (also basally).
3. Var. <i>mephistaria</i> Swett.	June 6—Aug. (summer form).	1. Solid black or reddish black (♂ ♀).	Light ashen gray.
4. Var. <i>thanataria</i> Swett.	Aug. 1—Sept. 25. (Chiefly Sept.—fall or late summer form).	25. Very narrow, lighter than typical, small sized (♂ ♀).	Pale ashen, almost without markings, more or less diaphanous.
5. Var. <i>gigantaria</i> Swett.	April 20—May 22. (spring form).	22. Very wide, dark reddish brown (♂), dark reddish brown to cinereous (♀).	Dark gray.
6. Var. <i>suppuraria</i> Swett.	April 15—May 2. (spring form).	2. Very wide black or reddish black (♂ ♀).	Pale ashen gray, sometimes ochreous tinge.

These times of appearance are only approximate but give the dates of my series. Whether *thanataria* Swett is a late summer form or a third brood is a question which can only be answered by breeding.