

×*Fallenbeckia*, a New Nothogenus for Hybrids Between *Fallopia* and *Muehlenbeckia*, and ×*Reynopterus*, a New Nothosection in *Fallopia* (Polygonaceae)

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Abstract—The nothogenus ×*Fallenbeckia* (= *Fallopia* × *Muehlenbeckia*) and the nothosection *Fallopia* nothosect. ×*Reynopterus* (= *F.* nothosect. *Reynoutria* × *F.* nothosect. *Pleuropterus*) are proposed.

Putative hybrids between *Fallopia japonica* (Houtt.) Ronse Decr. [JAPANESE KNOTWEED] and *Muehlenbeckia australis* (G.Forst.) Meisn. ([POHUEHUE]) have been reported from New Zealand. A nothogeneric name for this intergeneric hybrid is proposed here:

×*Fallenbeckia* M.van der Meer **nothogen. nov.**

Fallopia Adans. × *Muehlenbeckia* Meisn.

Additionally, a nothosectional name for hybrids between *Fallopia* sect. *Pleuropterus* and *Fallopia* sect. *Reynoutria* is proposed here:

Fallopia nothosect. ×*Reynopterus* M.van der Meer **nothosect. nov.**

Fallopia sect. *Pleuropterus* (Turcz.) Haraldson × *Fallopia* sect. *Reynoutria* (Houtt.) Ronse Decr.

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This nothosection includes the following known hybrids:

Fallopia japonica var. *japonica* × *Fallopia baldschuanica* (Regel) Holub
[RUSSIAN VINE] = *Fallopia* × *conollyana* J.P.Bailey [RAILWAY-YARD
KNOTWEED]

Fallopia japonica var. *compacta* (Hook.f.) J.P.Bailey × *Fallopia baldschuanica*

Fallopia sachalinensis (F.Schmidt) Ronse Decr. [GIANT KNOTWEED] × *Fallopia
baldschuanica*

Fallopia × *bohemica* (Chrtek & Chrtková) J.P.Bailey [BOHEMIAN KNOTWEED]
(= *F. japonica* × *F. sachalinensis*) × *Fallopia baldschuanica*

If *Fallopia* sect. *Reynoutria* is recognized at the generic level these hybrids are included in the nothogenus ×*Reyllopia* Holub.

Literature

Bailey J.P. (2001). *Fallopia* × *conollyana* The Railway-yard Knotweed. *Watsonia* 23: 539-541.

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Bailey J. P. (2013). The Japanese knotweed invasion viewed as a vast unintentional hybridisation experiment. *Heredity* (Edinb). 110(2): 105–110.

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