

Summary of EPPO Prioritization process¹ for: *Acer rufinerve****Section A. Prioritization process scheme for the elaboration of different lists of invasive alien plants (pests or potential pests) for the area under assessment*****A.1 Is the plant species known to be alien in all, or a significant part, of the area under assessment?**

Yes: *Acer rufinerve* is native to Japan (EPPO, 2019).

A.2 Is the plant species established in at least a part of the area under assessment? (if yes goto A5)

Yes the species is established in the EPPO region. The species has been recorded in Belgium (where it is considered invasive), the Czech Republic, Denmark, Finland, France, Germany, Ireland, Lithuania, the Netherlands, Poland, Russia, Slovenia, Sweden, Switzerland, the United Kingdom

A. 3 Is the plant species known to be invasive outside the area under assessment?

A yes for question A.2 means this question is skipped.

A.4 Based on ecoclimatic conditions, could the species establish in the area under assessment?

A yes for question A.2 means this question is skipped.

A.5 How high is the spread potential of the plant in the area under assessment?

High spread potential with moderate uncertainty: Throughout its native and introduced range, seed production is very high and dispersal can occur up to 50 m from the maternal plant facilitated by wind (EPPO, 2019).

A.6 How high is the potential negative impact of the plant on native species, habitats and ecosystems in the area under assessment?

High with a moderate uncertainty: The impact of *A. rufinerve* in Belgium forests is the first time the species has been reported as showing invasive behaviour in its introduced range. A few *A. rufinerve* trees were planted by foresters in a 300 ha forest of Bon-Secours near Mons (Belgium) between 1950 and 1970. Since, the species has colonised over 60 ha. Young saplings can form dense thickets and plant species richness of the herbaceous layer and regeneration of light demanding tree species are strongly reduced in these areas (Branquart pers comm., 2019).

A.7 How high is the potential negative impact of the plant on agriculture, horticulture or forestry in the area under assessment?

High with a high uncertainty: The potential of *A. rufinerve* invading forest habitats leads to the potential of the species to impact on regeneration of tree species which could have an impact on the forestry sector.

A.8 How high are the potential additional impacts (e.g. on animal and human health, on infrastructures, on recreational activities, other trade related impacts such as market losses)?

Low with a high uncertainty: No further impacts have been recorded.

¹ EPPO (2012) EPPO Prioritization process for invasive alien plants. EPPO Bulletin 42, 463-474.

		A5 -Spread potential		
		Low	Medium	High
Adverse impacts (maximum rating from questions A6, A7 and A8.	Low	List of minor concern	List of minor concern	List of minor concern
	Medium	List of minor concern	Observation list	Observation list
	High	Observation list	Observation list	List of invasive alien plants

In 2019, the EPPO Panel on Invasive Alien Plants agreed that *A. rufinerve* should be included in the EPPO List of Invasive Alien Plants with a view to conducting a PRA on the species in the future when more studies have been conducted on the species impact etc.

Outcome of Section A: *Acer rufinerve* is included on the EPPO List of Invasive Alien Plants

B. Prioritization process scheme for the identification of invasive alien plants for which a PRA is needed

- B.1 Is the plant species internationally traded or are there other existing or potential international pathways?
- B.2 Is the risk of introduction by these international pathways identified to be superior to natural spread?
- B.3 Does the plant species still have a significant area suitable for further spread in the area under assessment?

Outcome of section B: Not applicable

Selected references

Branquart E, Dupriez P, Vanderhoeven S, Landuyt Wvan, Rossum Fvan, Verloove F, (2011) Harmonia database: *Acer rufinerve* - red veined maple. Harmonia version 1.2., Belgium: Belgian Forum on Invasive Species. <http://ias.biodiversity.be>

EPPO (2022) EPPO Global Database. <https://gd.eppo.int/>

EPPO (2020) Mini data sheet on *Acer rufinerve*. Available at: <https://gd.eppo.int/taxon/ACRRU/documents>