

Summary of EPPO Prioritization process¹ for: *Bidens subalternans*

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: *Bidens subalternans* is native to South America (EPPO, 2020).

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

Yes although there is the need for a better understanding of the occurrence of the species throughout the EPPO region. In the EPPO region, *B. subalternans* is established in France (EPPO, 2022).

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 with low uncertainty: *Bidens subalternans* spread by seed which can be wind or animal dispersed. Additionally, seed can be spread via contamination of used machinery and equipment.

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: Can form dense stands but only in disturbed areas (crops, roadsides, fallows) (G. Fried, pers. obs.)

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 moderate uncertainty: Massive germination can be observed (>50 individuals/m²) and the species can form dense infestations in annual crops and in perennial crops (pers. Obs., G. Fried).

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 low uncertainty: No additional impacts have been reported.

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

Outcome of Section A: *Bidens subalternans* is included on the EPPO List of Invasive Alien Plants

		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 2020, the Panel on Invasive Alien Plants agreed that *Bidens subalternans* should be included on the EPPO List of Invasive Alien Plants. The species could be prioritised for a PRA if further studies are published on the impact of the species.

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:

Selected references

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

EPPO (2020) Mini data sheet on *Bidens subalternans*. Available at: <https://gd.eppo.int/taxon/BIDSU/documents>