

## Summary of EPPO Prioritization process<sup>1</sup> for: *Baccharis spicata*

### 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: *Baccharis spicata* is native to South America (EPPO, 2019, EPPO 2022).

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

Yes *Baccharis spicata* is established in Portugal (Verloove et al., 2017). Two naturalized populations were recorded in September 2015 around the city Porto (Vila do Conde and Matosinhos). The population at Vila do Conde includes numerous individuals (over 100) with some several years old and reaching a height of more than two metres. At Matosinhos, 15 individual plants were recorded attaining a height of between 0.5- 2 m. At both sites, *B. spicata* grows on disturbed ground where other highly invasive species such as *Acacia longifolia*, *A. melanoxylon*, *Cortaderia selloana* and *Paspalum dilatatum* are found.

#### 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: The species can spread by wind dispersed seeds. Seed production and dispersal rates are similar to that of the congener *B. halimifolia* (EPPO A2 List (EPPO, 2022) - EU List of Union concern), indicating that *B. spicata* also has the potential for long distance dispersal.

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

Medium with a high uncertainty: In Portugal, *B. spicata* grows on disturbed ground with other highly invasive species such as *Acacia longifolia*, *A. melanoxylon*, *Cortaderia selloana* and *Paspalum dilatatum*. In these habitats, *B. spicata* shows strong competition with other species becoming an abundant species in the community (Verloove et al., 2017).

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

Low with a high uncertainty: There is no information available.

#### 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: There is no information available.

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

**Outcome of Section A: *Baccharis spicata* is included on the EPPO Observation List**

		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

*Baccharis spicata* is not considered further. The assessment stops here.

***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**

Domingues de Almeida J (2018) New additions to the exotic vascular flora of continental Portugal. *Flora Mediterranea* 28, 259-278.

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

EPPO (2019) Mini data sheet on *Baccharis spicata* Available at: <https://gd.eppo.int/taxon/BACSP/documents>

Verloove F, Dana ED, Alves P (2017) *Baccharis spicata* (Asteraceae), a new potentially invasive species to Europe. *Plant Biosystems* <http://dx.doi.org/10.1080/11263504.2017.1303001>