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### Supplementary Material

**Mechanical control inadvertently increases risk of alien plant invasion: influence of stem fragmentation and inundation regimes on *Arundo donax* regeneration in Neotropical savanna**

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**Supplementary Table S1.** First Herbarium records of the presence of *Arundo donax* in Brazil. Status describes if the specimen was a cultivated plant or collected in the wild (invasive). Data from the Virtual Herbarium Flora Brasiliensis, Smithsonian Department of Botany - South American records and speciesLink network, <https://specieslink.net/search/> [Verified 19 March 2023].

<b>Year</b>	<b>State/Region</b>	<b>Herbarium / Link to Original Record</b>	<b>Barcode/Record</b>	<b>Status</b>
1836	Rio de Janeiro/Southeast	Smithsonian / <a href="http://n2t.net/ark:/65665/326a36ddc-9b29-4a08-b9ca-6821f6c13367">http://n2t.net/ark:/65665/326a36ddc-9b29-4a08-b9ca-6821f6c13367</a>	04359298	cultivated
1870	Rio de Janeiro/Southeast	Smithsonian / <a href="http://n2t.net/ark:/65665/3e176f340-0cf2-41f8-a9d4-c861782b60a4">http://n2t.net/ark:/65665/3e176f340-0cf2-41f8-a9d4-c861782b60a4</a>	04359296	cultivated
1934	Rio Grande do Sul/South	Herbarium Barbosa Rodrigues	HBR0002697	cultivated
1934	Rio Grande do Sul/South	Herbarium Anchieta, PACA	PACA000988	cultivated
1934	Rio Grande do Sul/South	Herbarium Anchieta, PACA	PACA112633	cultivated
1936	Pernambuco/Northeast	Smithsonian / <a href="http://n2t.net/ark:/65665/3e40a6798-bc73-49f0-a755-426f9bae1ac7">http://n2t.net/ark:/65665/3e40a6798-bc73-49f0-a755-426f9bae1ac7</a>	04359272	cultivated
1938	São Paulo/Southeast	Herbarium of the Agronomic Institute of Campinas	IAC4087	invasive
1939	São Paulo/Southeast	Smithsonian / <a href="http://n2t.net/ark:/65665/3e40a6798-bc73-49f0-a755-426f9bae1ac7">http://n2t.net/ark:/65665/3e40a6798-bc73-49f0-a755-426f9bae1ac7</a>	04359272	cultivated
1946	São Paulo/Southeast	SPSF - Herbarium Dom	SPSF00002575	invasive

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		Bento José Pickel		
1952	Santa Catarina/South	Missouri Botanical Garden	MO 1768458	invasive
1952	Santa Catarina/South	Herbarium Barbosa Rodrigues	HBR0020378	invasive
1956	Bahia/Northeast	Herbarium Alexandre Leal Costa	ALCB020669	invasive
1957	Rio Grande do Sul/South	Herbarium Anchieta, PACA	PACA060987	cultivated
1958	Rio de Janeiro/Southeast	Herbarium Barbosa Rodrigues	HBR0020927	invasive
1961	Rio Grande do Sul/South	Herbarium Anchieta, PACA	PACA072334	cultivated
1967	Pernambuco/Northeast	Herbarium - IPA Dárdano de Andrade Lima	IPA0014703	cultivated
1969	Paraíba/Northeast	Herbarium - IPA Dárdano de Andrade Lima	IPA0018702	invasive
1970	Paraíba/Northeast	Herbarium - IPA Dárdano de Andrade Lima	IPA0018701	invasive
1969	Federal District /Midwest	Herbarium Lauro Pires Xavier	JPB2661	invasive
1970	Federal District /Midwest	University of Brasília (UB) Herbarium	UB0025389	invasive

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**Supplementary Table S2.** Site collections of *Arundo donax* in degraded Cerrado fragments in urban areas of the city of Brasília, Federal District, Brazil.

<b>Site number</b>	<b>Location</b>	<b>Coordinates</b>
1.	City central area	15°47'08.9"S 47°52'38.3"W
2.	Campus of the University of Brasilia	15°46'11.3"S 47°51'54.2"W
3.	South Wing (neighborhood)	15°50'12.5"S 47°54'34.0"W
4.	South Club Sector	15°48'56.9"S 47°51'53.3"W
5.	Northwest Sector (neighborhood)	15°45'48.8"S 47°54'59.6"W