

# Devon's management of Hymenoscyphus Fraxineus & the Devon Ash Dieback Resilience Forum

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Devon Tree Officer

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# Ash dieback in Devon

Taking action together

## Devon Ash Dieback Resilience Forum



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Ash dieback is a disease affecting ash trees in our countryside and towns. It

# Estimating mortality rates of European ash (*Fraxinus excelsior*) under the ash dieback (*Hymenoscyphus fraxineus*) epidemic

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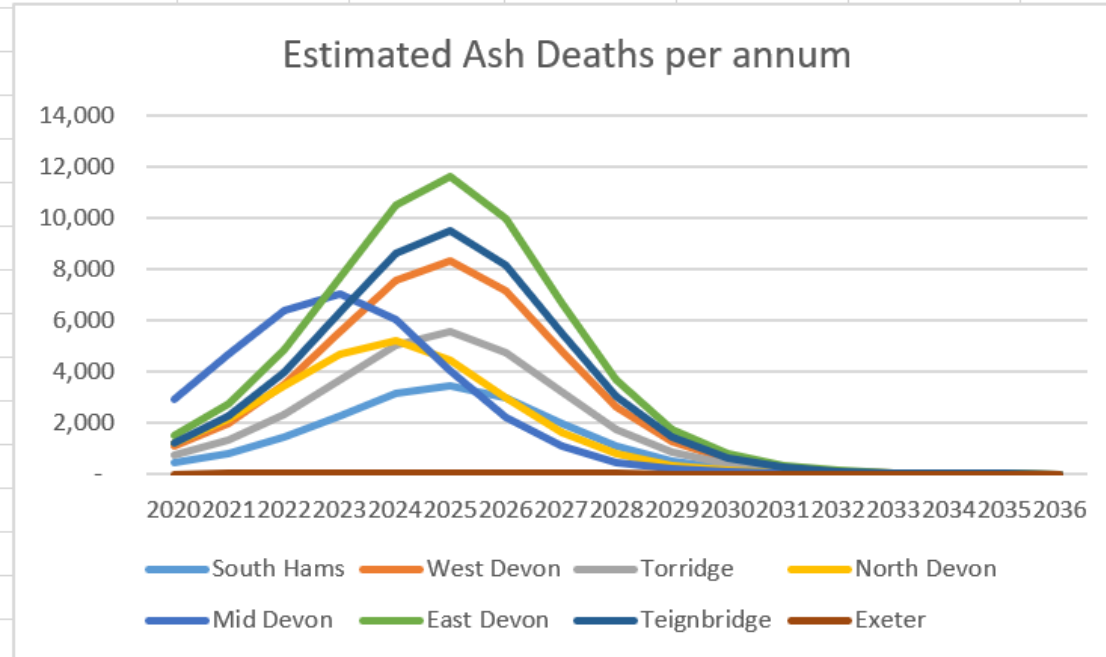
## Societal Impact Statement

Damage to ash trees by ash dieback caused by the emerging fungal pathogen *Hymenoscyphus fraxineus* is impacting people across Europe. This poses challenges to: public safety; productivity of commercial forestry; green spaces and human well-being; and ecosystem services and carbon sequestration. Here, we seek to quantify the impact of ash dieback on tree mortality by analyzing surveys counting the proportion of trees that have died in sites across Europe. However, more and better data are needed to inform policy makers, foresters, conservationists, and other stakeholders as they plan for a long-term future with ash dieback.

## Summary

- The ash dieback epidemic, caused by the fungus *Hymenoscyphus fraxineus*, has been present in Europe for over 20 years and caused widespread damage and mortality in ash tree (*Fraxinus excelsior*) populations. Ash is a major natural capital asset and plays an important role in nature's contribution to people in Europe.
- Here, we present a meta-analysis of surveys of ash mortality due to ash dieback, and a time-dependent model to estimate longer term mortality.
- In plantations established previous to the arrival of the epidemic, we analyze 12

T	U	V	W	X	Y	Z	AA	AB
	South Hams	West Devon	Torrige	North Devon	Mid Devon	East Devon	Teignbridge	Exeter
2020-2024	8,130	19,655	13,070	16,773	27,075	27,348	22,436	86
2025-2029	10,024	24,235	16,115	10,243	8,023	33,721	27,664	106
2030-2034	390	942	626	243	134	1,310	1,075	4



	Teignbridge	Exeter
97	1,228	5
99	2,271	9
101	3,976	15
103	6,324	24
105	8,636	33
107	9,530	36
109	8,179	31
111	5,490	21
113	3,019	12
115	1,446	6
117	637	2
119	267	1
121	109	0
2033	54	0
2034	22	0

2033	16	39	26	10	5	54	44	0
2034	6	16	10	4	2	22	18	0



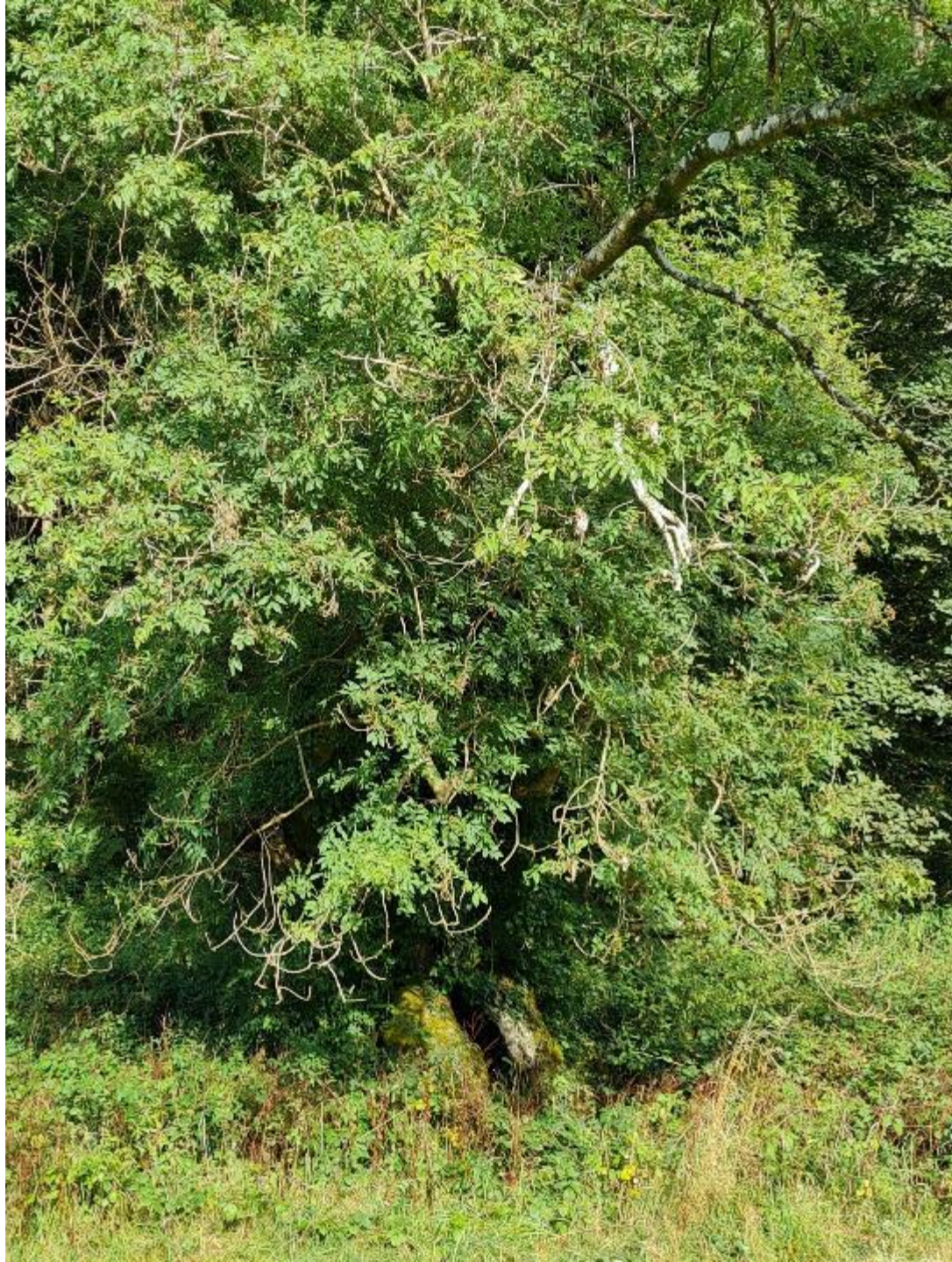


















Thank you for listening.  
Keep standing up for Trees!!!  
May the Dryads watch over you.