



MaMA Lingerin Ash Search DATA FORM

Always fill out this form in the field for use as data backup/entry correction.
If not using [Aneccdata smartphone app](#), upload data via [Aneccdata.org](#).



See Lingerin Ash and Potential Lingerin Ash definitions on the back

When and how to use this form: You should use this form to record: 1) data for lingerin ash or potential lingerin ash found opportunistically; or 2) data from systematic searches for lingerin ash or potential lingerin ash. In either case, if two or more lingerin (or potential lingerin) ash are found adjacent to each other, you'll report these as a "cluster" on the same form. Trees in clusters will share the same GPS coordinates.

If you're doing a systematic search for lingerin ash, make sure to record your search path from the beginning by using the *CalTopo* app on a smartphone (use QR code on this form to access the MaMA Lingerin Ash Search *CalTopo* map) or by using a GPS unit. If using a GPS unit, submit the search track by email to Outreach@MonitoringAsh.org, even if you don't find any lingerin ash. If using *CalTopo*, save your track with a name that contains the date of your survey and your name e.g., "7/27/2023 John Smith". When you finish your path, add info "No ash found" or "Ash found" and any other notes about your search in the description field before saving the track. If no lingerin ash was found during the systematic search, you don't need to fill out this data form; just submit the search track.

Lingerin Ash or Potential Lingerin Ash Data

All fields marked as "private" will be entered in the project database but not publicly visible.

GPS coordinates of Lingerin/Potential Lingerin Ash or cluster (private)	Lat. (Eastern US between 30 & 50; list to 5 decimal places)	Long. (Eastern US between -67 & -97; list to 5 decimal places)
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Observer's full name (private):	Observation Date: <i>If submitting data to Aneccdata after you leave the site, make sure to manually enter the correct observation date and GPS coordinates; otherwise, they will default to the data entry date and your data entry computer/phone location.</i>
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Observer's email address (private):	Institutional affiliation (if relevant):
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Location (private): e.g., Highmount State Park or John Smith's woodlot

Name of property owner or land manager, if known (private):

Email of property owner/manager if known (private):

Phone of property owner/manager if known (private):

Habitat where lingerin ash (or cluster) was found (circle all that apply) Upland Wetland Floodplain Forest edge Forest interior Mostly open (e.g. field, hedge)

Is this tree (or cluster of trees) naturally occurring at the site (not planted there)? *Trees that were planted at the site should not be reported.* Definitely Likely

Was this tree (or cluster) chemically treated against EAB? *Trees chemically treated against EAB should not be reported.* Definitely not Unlikely

Lingerin tree # (only enter multiple trees if there are a cluster of them) 1 2 3 4 5 6 7

Other ID? (e.g. Tree tag #, flagging tape)

Species (abbreviations listed on the back)

Crown health class (definitions on the back)

Crown position (definitions on the back)

Are seeds present? (Y/N)

Are flowers present? (Y/N)

Does this tree show any of the following signs? ([see www.monitoringash.org/signs-of-emerald-ash-borer/](http://www.monitoringash.org/signs-of-emerald-ash-borer/))

✓ **Multiple D-shaped EAB exit holes?** (Y/N)

✓ **EAB serpentine larval gallery?** (Y/N) *(don't remove any bark, galleries can be found in vertical splits)*

✓ **Any serpentine galleries that are callused around** (showing wound healing)? (Y/N)

✓ **Epicormic shoots?** (Y/N)

✓ **Flaking by woodpeckers, with larva extraction holes?** (Y/N)
Exposed inner bark is blond on recently flaked trees and gray on trees flaked less recently. Blond flaking Gray flaking

Lingerin ash (or potential lingerin ash) Tree Diameter at Breast Height (DBH) (If possible, measure DBH; otherwise estimate; if multiple trunks, measure largest one)	Estimated: Use DBH Class (definitions on the back)						
	Measured Circle unit used: CM or Inches						

Estimated height of lowest living branch on this lingerin (potential lingerin) ash: <10 feet; 10-20 feet; >20 feet

➤ Its bark	➤ Its leaves, if possible	➤ Its crown condition
➤ Its branching pattern	➤ Seeds, if possible	➤ Any of these signs if present: multiple D-shaped holes, EAB serpentine galleries, callused galleries, epicormic shoots and flaking by woodpeckers.

Use the following to record the health of the 20 ash trees (DBH ≥ 4 inches or ≥ 10 cm) nearest the lingering/potential lingering ash tree or cluster, up to a distance of about 250 ft. from the lingering/potential lingering ash or cluster. If fewer than 20 such trees are found within that distance of the lingering/potential lingering ash tree or cluster, just record data for as many as are present.

[illegible][illegible]

Please take photos of front/back of completed data sheet and submit it via Anecddata or email it to Outreach@monitoringash.org (this will enable us to correct any entry errors in your electronic data).

- Healthy Crown Health Class 1 or 2, but can also be Class 3 with only slight die-back, see photographic guide at www.monitoringash.org/ash-canopy-health-classes: No planted trees and No trees treated chemically against EAB.