

CLIMATIC CONTROLS ON EMERALD ASH BORER DISPERSAL

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We examine whether emerald ash borer (EAB) is limited not only by the presence of ash, but also by climatic factors. Using the WorldClim and CRU TS 2.1 global climate datasets, we delineate the native climatic range of EAB in Asia and the climatically equivalent areas

in North America. Using a data-mining approach, we identify which of a suite of bioclimatic variables are important factors in the native range of EAB. A map of locations in North America that satisfy both climatic and host criteria is presented.