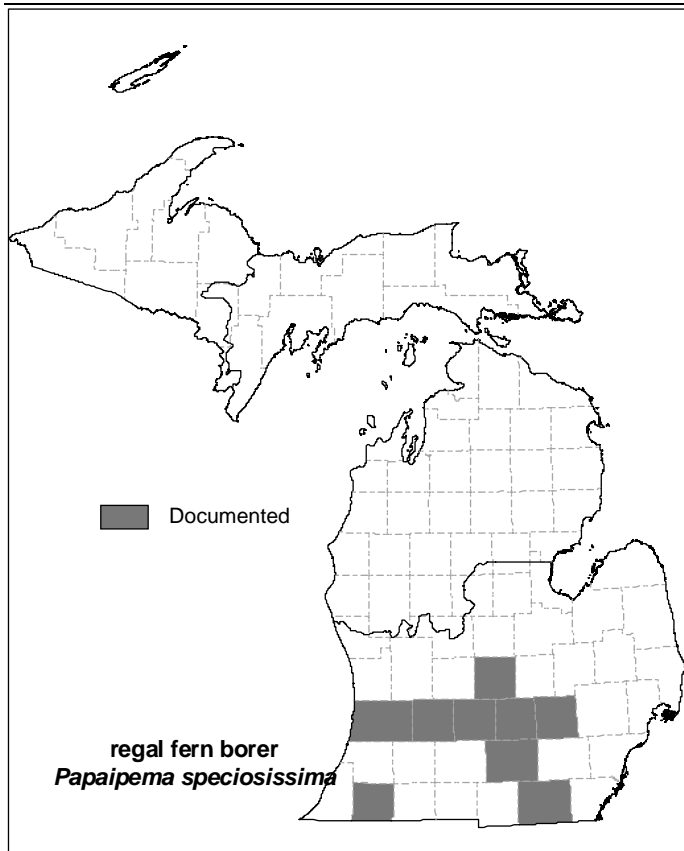


INSECTS



regal fern borer

(Papaipema speciosissima)

DISTRIBUTION & ABUNDANCE: State listed as special concern. Considered rare in Michigan and may be imperiled.

ASSOCIATED LANDSCAPE FEATURES: prairie; idle/old field; lowland shrub; lowland hardwood; fen; swamp; river/stream/riparian/floodplain corridor

ASSOCIATED THREATS: conversion to agriculture lands; altered fire regime; altered hydrologic regimes; industrial/residential/recreational development; invasive plants & animals; lack of scientific knowledge; pesticides & herbicides

COMMENTS: Need surveys to assess abundance and distribution; need information on life history and ecology; need to assess threats.