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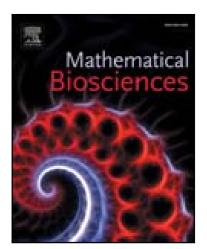
Pest demography critically determines the viability of synthetic gene drives for population control

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Highlights

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- Mass-action reproduction is unsuitable for modelling gene drives in vertebrates
- The evolution of resistance threatens the viability of gene drives for pest control
- Reproductive Allee effects could assist gene drives to eradicate invasive species
- Pest species' demography must be understood to inform applied modelling efforts

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