

August 27, 2021

# Mint Pest Alert Newsletter

## - Central Oregon -

### Fall Chemical Management

Late Aug/early Sep is the time to scout for Mint Root Borer (MRB) larvae in the soil if fall control is being considered (i.e. Lorsban, Mocap, nematodes). MRB larvae drop from the foliage to the ground in August and tunnel into rhizomes, where they will feed into the fall.

Larvae are generally too small to see in August, while sampling in late September is too late as damage is done.

Control treatments must be applied before larvae form hibernacula (overwintering, soil-based cocoons). Based on the insect development model, hibernacula formation in Madras/Culver will reach 50% by August 28th.

Prineville/Powell Butte should expect 50% hibernacula by Sept 19<sup>th</sup>.



**Oregon State University**  
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## **Sampling Recommendations for MRB larvae:**

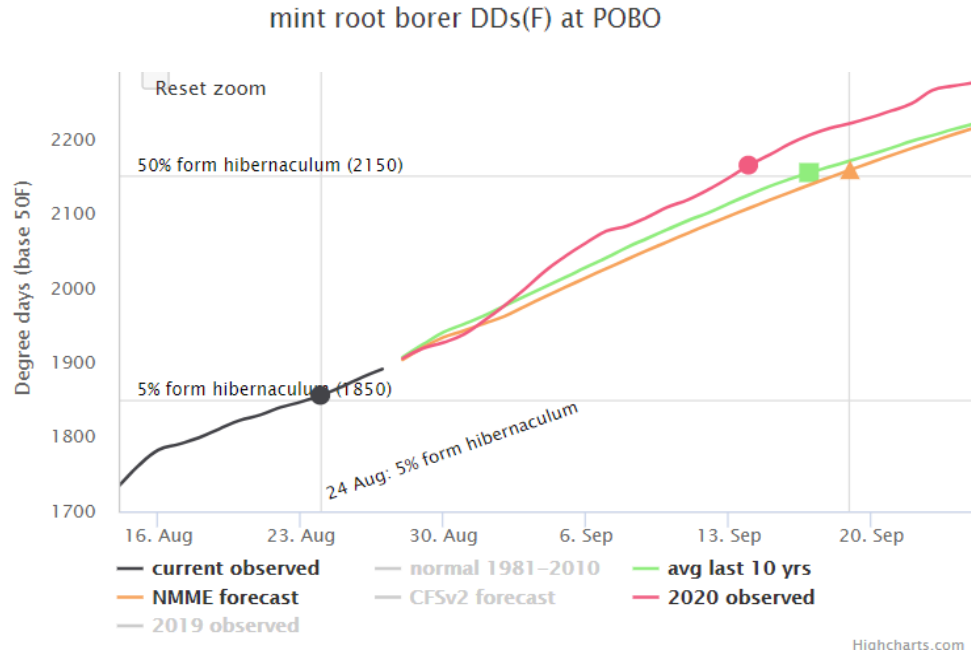
- Sample 1ft<sup>2</sup> of soil to a depth of 2-3" (include rhizomes)
- 2 samples taken every 2-3 acres
- Minimum 25 samples per field
- Screen samples in the field or with Berlese funnels in the laboratory

**Treatment threshold = average of 2-3 larvae/ft<sup>2</sup> sample**



# Prineville & Powell Butte

## Mint Root Borer (MRB) Insect Development



## Culver and Madras

## Mint Root Borer (MRB) Insect Development

