

June 3, 2020

Mint Pest Alert Newsletter

- Willamette Valley -

Growing Degree Day (GDD) Models

This e-Newsletter provides guidance for insecticide application timing based on GDD models that predict insect life stages. The models use heat units, which offer a better predictor of insect development than calendar days.

The GDD model used in this newsletter is based on NOAA's 7-month extended forecast, and pulls data from the Agrimet weather station at Hyslop Farm near Corvallis.

OSU research has shown in-season control of Mint Root Borer eggs and first instar larvae can be achieved with Coragen®, and the **optimal application timing for MRB control is at peak moth catch** (predicted to be July 9th).

This timing also controls cutworm, armyworms, and loopers.



Oregon State University
Extension Service

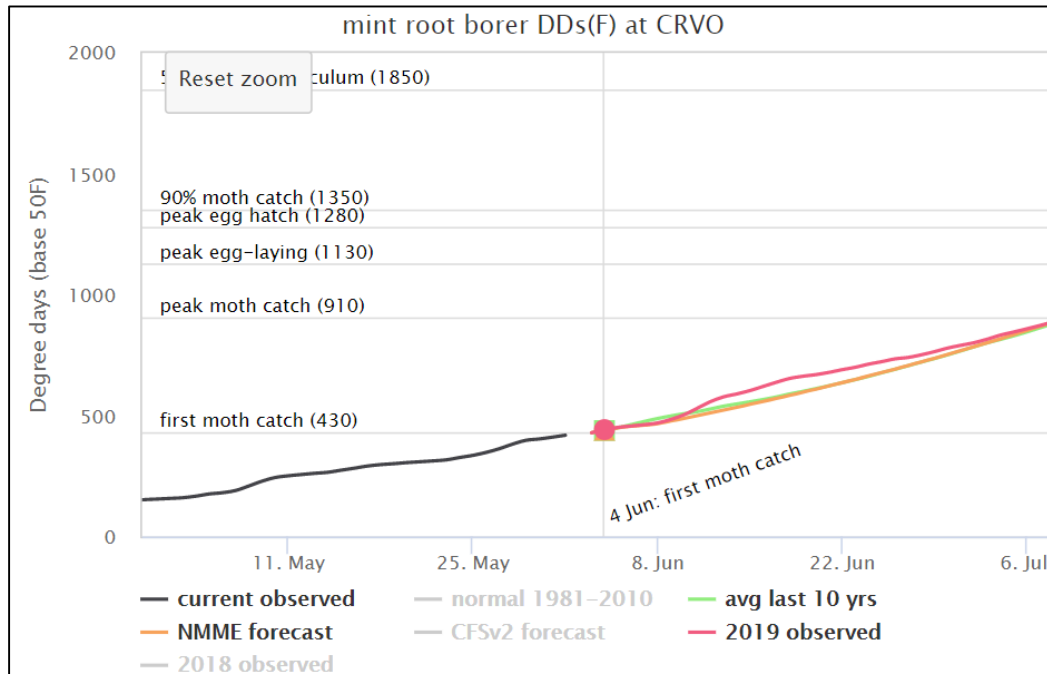
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Mint Root Borer (MRB) Insect Development - Corvallis

- ✧ 2020 predicted GDDs (orange line) close to 10-yr average (green line), but behind 2019 (red line) (2 days behind than 2019).
- ✧ 1st moth catch predicted for June 4th and peak moth catch predicted July 9th



Variegated Cutworm (VC) Insect Development - Corvallis

- ✧ Peak overwintering period (3 days behind 2019). Peak egg laying in peppermint is predicted June 22nd

