

June 22, 2018

# Mint Pest Alert Newsletter

## - Central Oregon -

### 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 stations at COARC and Powell Butte.

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 8 or 14).

This timing also controls cutworm, armyworms, and loopers.



**Oregon State University**  
Extension Service

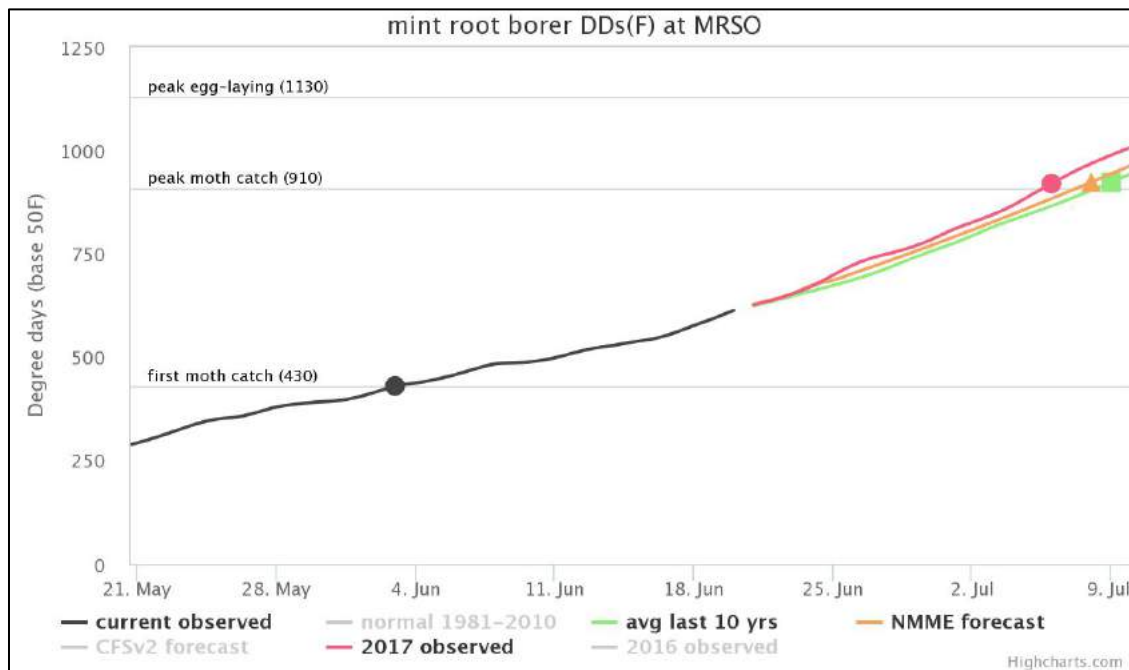
Questions? Contact Clare Sullivan:  
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*Sponsored by the Oregon Mint Commission*

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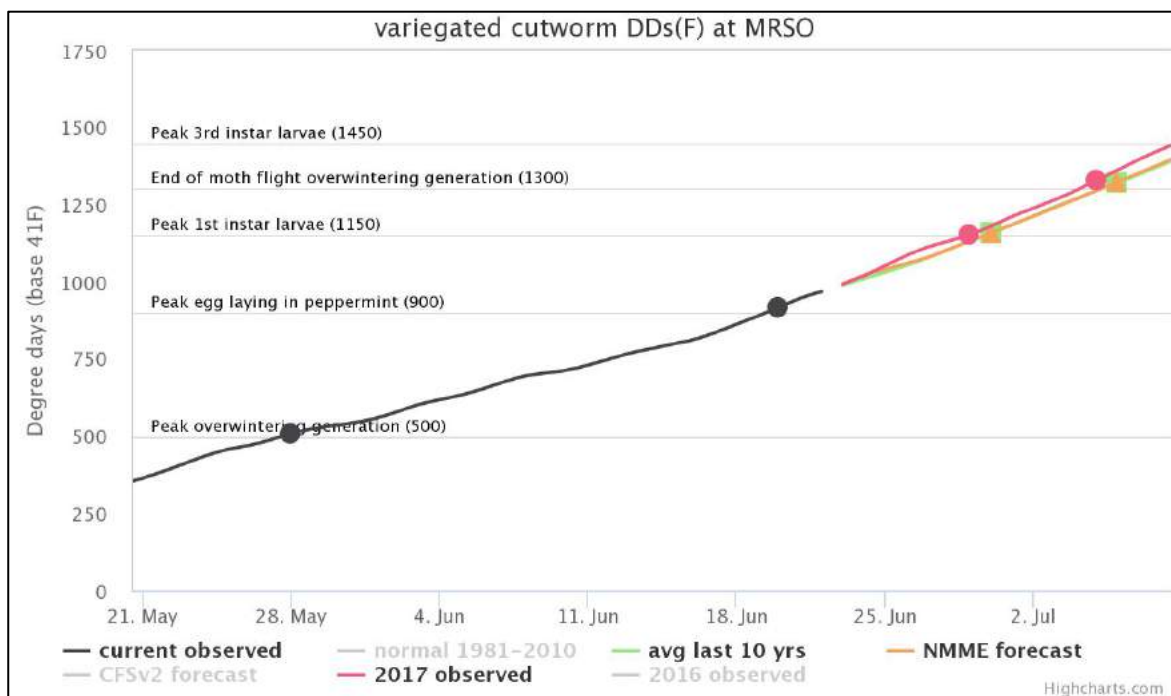
## Mint Root Borer (MRB) Development – Culver & Madras

- ✧ 2018 predicted GDDs (orange line) close to 10-yr average (green line), but behind 2017 (pink line)
- ✧ 1<sup>st</sup> moth catch June 3<sup>rd</sup>, peak moth catch predicted July 8<sup>th</sup>



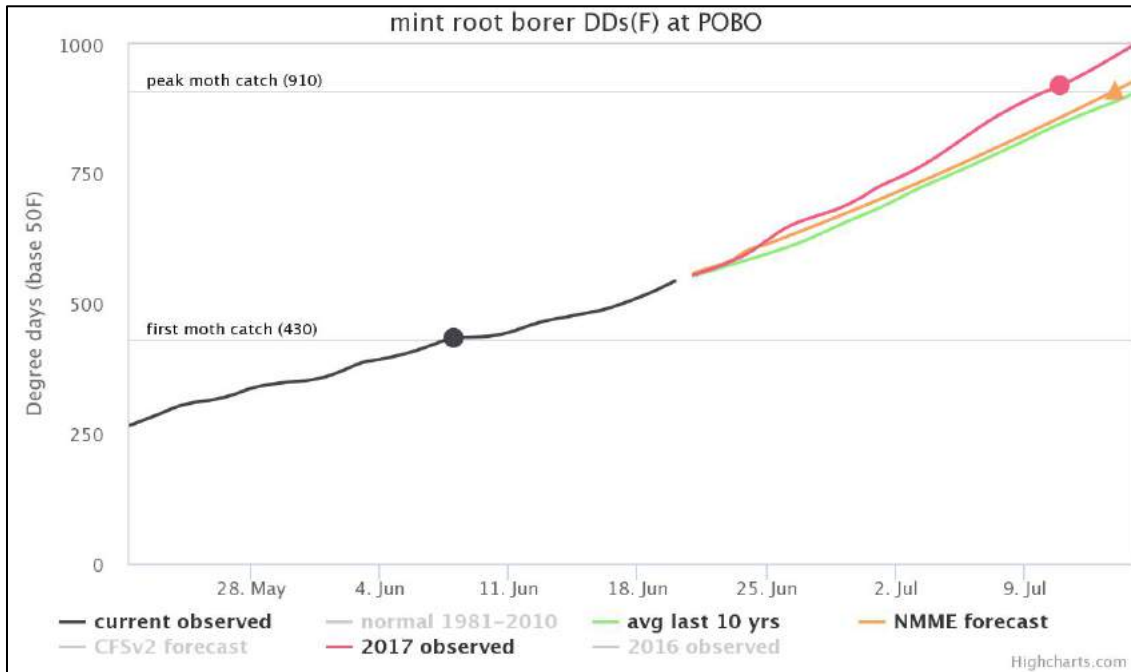
## Variegated Cutworm (VC) Development – Culver & Madras

- ✧ Adults laying eggs, peak egg laying was predicted for June 20<sup>th</sup>
- ✧ Peak 1<sup>st</sup> instar larvae predicted for June 30<sup>th</sup>



## MRB Development – Prineville & Powell Butte

- ✧ 2018 predicted GDDs (orange line) close to 10-yr average (green line), but behind 2017 (pink line)
- ✧ 1<sup>st</sup> moth catch June 9<sup>th</sup>, peak moth catch predicted July 14<sup>th</sup>



## VC Development – Prineville & Powell Butte

- ✧ Adults laying eggs, peak egg laying predicted June 24<sup>th</sup>
- ✧ Peak 1<sup>st</sup> instar larvae predicted for July 5<sup>th</sup>

