July 9, 2018

Mint Pest Alert Newsletter

- Central Oregon -

Best Application Window Approaching

According to the growing degree day (GDD) model, the **best application timing** for in-season control of mint root borer (MRB) and variegated cutworm (VC) is **July 11-18th** in the Madras/Culver area. Powell Butte is a week behind.

OSU research has shown the **optimal timing of Coragen® for MRB control is at peak moth catch** (July 11 & 16), but adequate control should continue through peak egg laying. If needed, Coragen® label recommends 5fl oz/ac between 900-1250 GDDs: http://www.cdms.net/ldat/ld8KF036.pdf

Optimal application timing of Coragen® or Orthene® to control VC is at 3rd instar. In Madras, VC in mint are entering 3rd instar now and estimated to peak by July 13th. Treatment threshold is 0.6 larva/sweep or 1.3 larvae/sq ft.

Oregon State University Extension Service

Questions? Contact Clare Sullivan:
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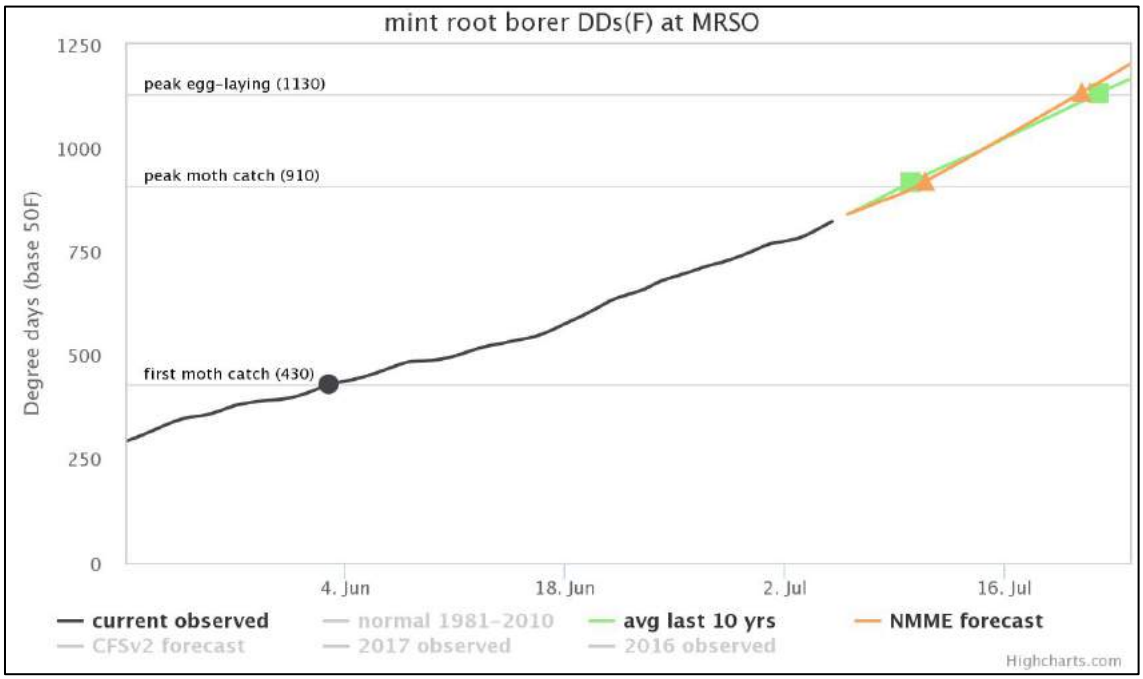
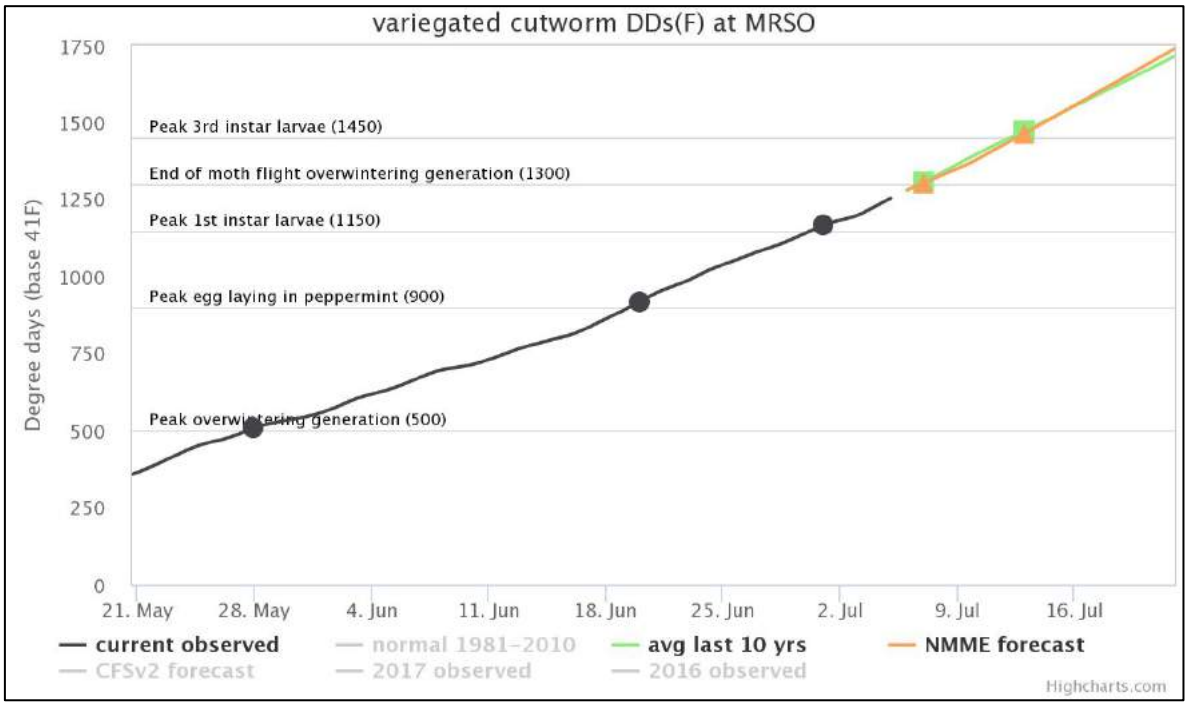
Mint Root Borer (MRB) Insect Development – Culver & Madras

- ✧ Peak moth (910 GDD) predicted July 11th – optimal app timing
- ✧ Adequate control w/ Coragen expected through egg laying
  - ➢ 1130 GDD, predicted to be July 21st



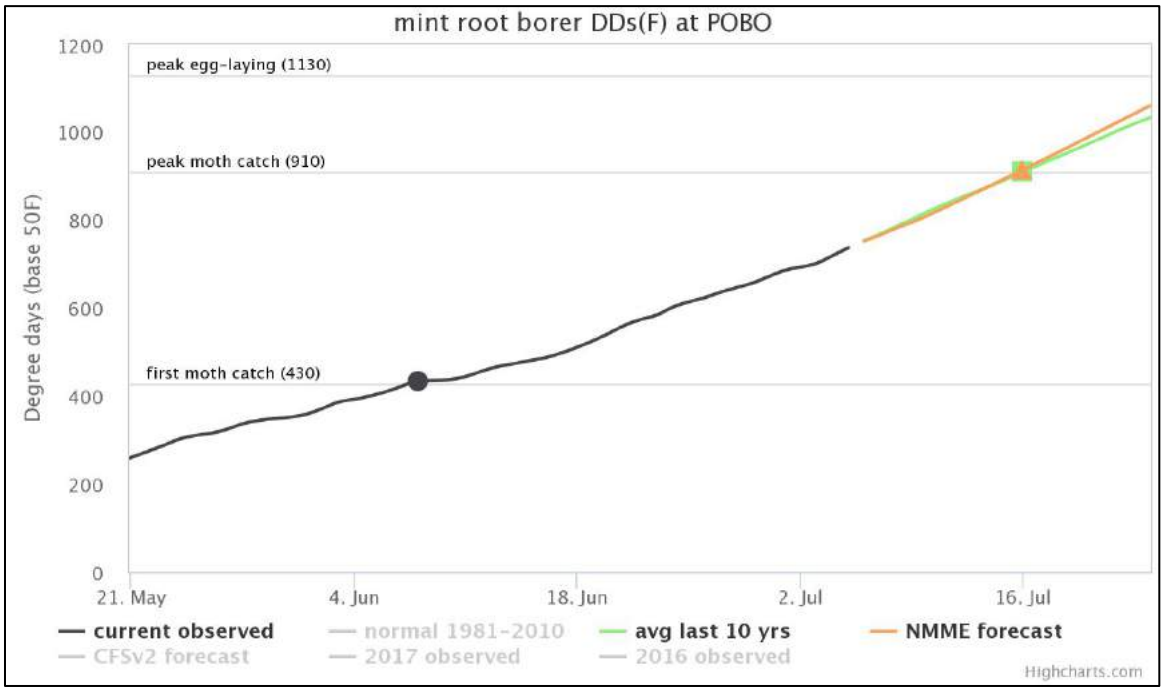
Variegated Cutworm (VC) Development – Culver & Madras

- ✧ VC best controlled by 3rd instar (peak predicted July 13th)
- ✧ **July 11-18th optimal timing to control both MRB and VC**



MRB Development – Prineville & Powell Butte

- ✧ Peak moth catch predicted to be July 16th
  - ➢ Optimal application timing of Coragen for MRB



VC Development – Prineville & Powell Butte

- ✧ Peak 1st instar larvae was predicted to be July 6th
- ✧ VC best controlled by 3rd instar (predicted to be July 18th)