

● **Agricultural Research and Extension on Tree Fruits and Vegetables** ●

Sweet Corn Pest Report

Tuesday, June 24, 2014

Early corn in plastic and row cover are just beginning to show silk in the mid-Hudson Valley with Albany region early corn in tassel. Generally we are seeing relatively low ECB numbers to date across the region.

The trap catch data for this week indicates a slight decline in the number of adult first brood European corn borers (ECB). Corn earworm (CEW) and Fall armyworm (FAW) adults were not observed in our traps. However this could be due to the cooler nighttime temperatures that we had last week. CEW's and FAW's usually arrive in the Mid-Hudson Valley by the end of June. The Z-strain remains the highest of the two ECB strains with 36 adults of the 57 ECB captured in New Paltz last week. The second generation of ECB-E strain will begin to emerge at about 1400 modified base 50 degree days. We are at approximately 889 DD in Highland, NY, with the onset of 2nd ECB generation predicted to occur after the 15th of July.

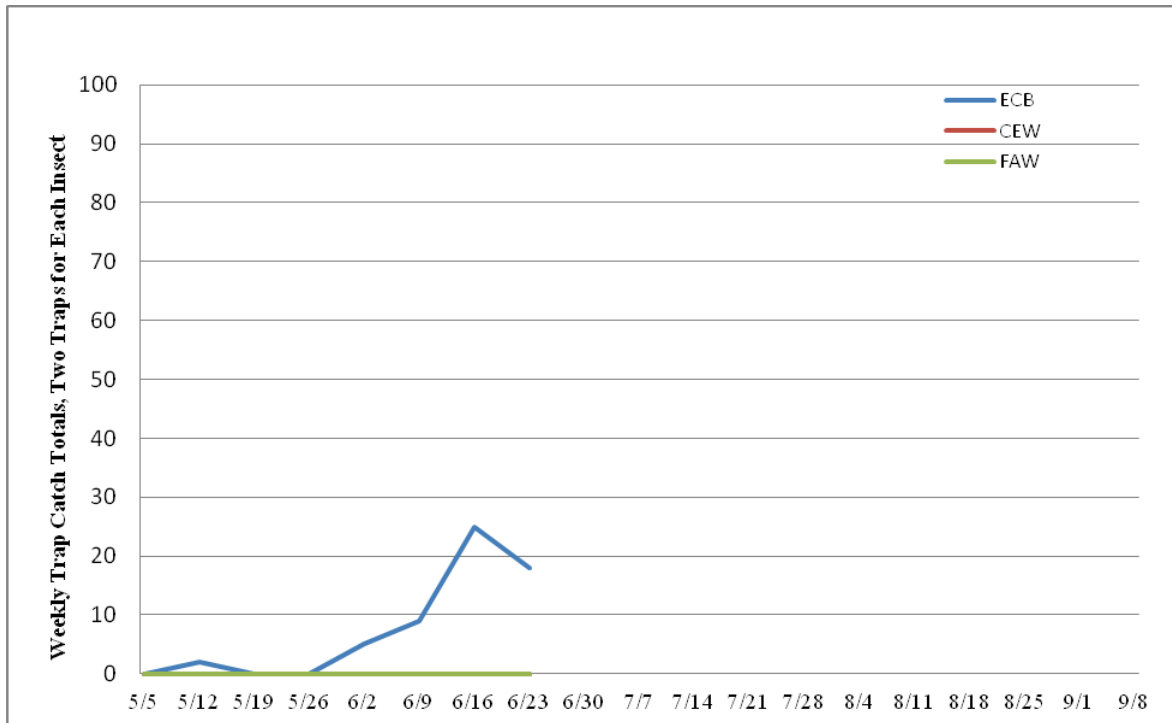
ECB feeding damage on newly emerging tassel is usually accompanied by white or light brown frass the size of fine sand (see photo below). ECB larvae may also be visible. The worm is cream or light pink in color with a reddish-brown or black head and about 26 mm in length. Typical examples of ECB feeding are a series of straight line pinholes as well as "window pane" damage on the emerging leaves from the whorl. Window pane damage occurs when the young ECB larvae feed on the upper epidermal of the leaf leaving a clear lower level epidermal.

Corn Earworm adults have not yet arrived in the Mid-Hudson Valley with very low numbers in E. LI. No western bean cutworm have been observed yet this season in NY.

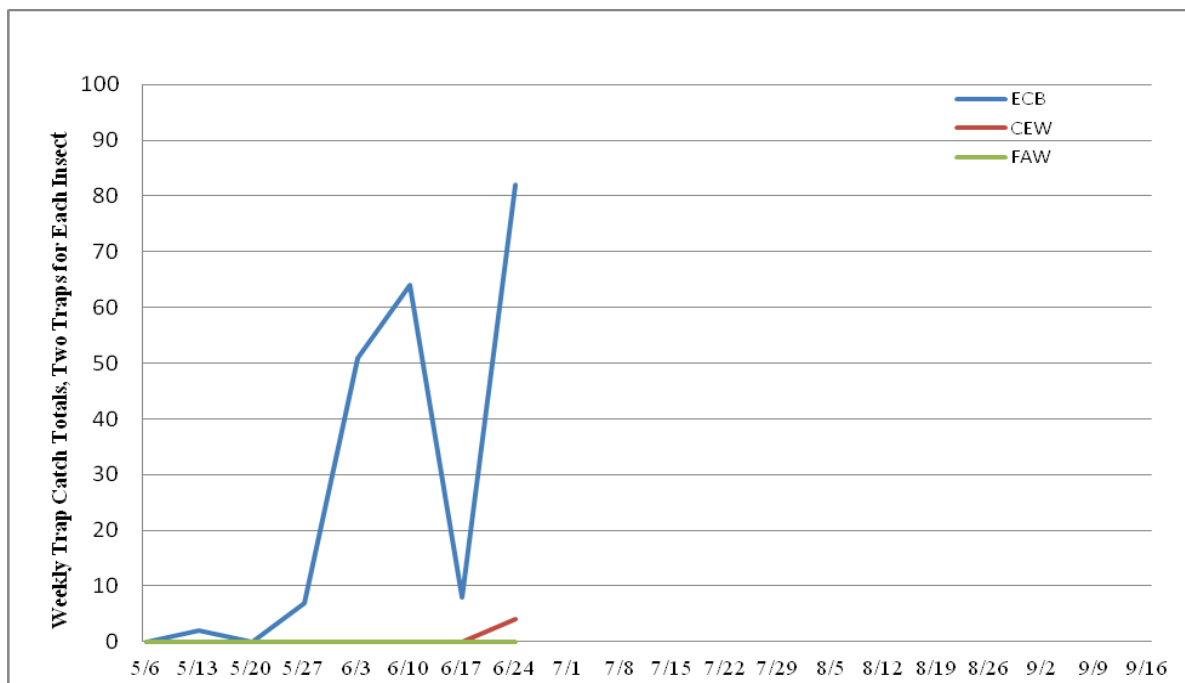
Western NY: The first report of corn earworm (CEW) occurred on the 17th of June at the Eden site in Erie County and one fall armyworm (FAW) in Avoca. Only a few western bean cutworm (WBC) traps have been set but no moths caught. Of fifteen WNY sites reporting this week June 24th, European corn borer (ECB-E) was caught at two sites and ECB-Z was caught at five sites. Corn earworm (CEW) was caught at 6 of the reporting sites. Two of the six sites reporting CEW were over threshold, indicating a need for treatment.

PA: In Hornbrook in Bradford County, PA, bordering the southern tier south of Binghamton, NY, ECB trap numbers are highest in the state with an average of 7.14/day. In Troy, Bradford county toward the Eastern part of the state, CEW numbers are high with daily catch of 2/day.

**2014 European corn borer (ECB), Fall Armyworm (FAW), and
Corn Earworm (CEW) Adult Flight Data
Wallkill View Farms, New Paltz, NY**



**2013 European corn borer (ECB), Fall Armyworm (FAW), and
Corn Earworm (CEW) Adult Flight Data
Wallkill View Farms, New Paltz, NY**



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ECB "window pane" damage



ECB feeding on emerging tassel



ECB pinhole damage



CEW and FAW feeding damage