

Ohio Western Bean Cutworm Trapping and Monitoring Summary 2018

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Western bean cutworm (WBC) traps were distributed to 26 counties in Ohio, an increase from 24 counties in 2017 (Figure 1). A total of 80 traps were monitored weekly from June 24 through August 25, 2018. Overall, 5,308 WBC were trapped over the duration of the monitoring period, with a grand average of 7.9 moths per trap (this was a decrease from 15,117 moths trapped with an AVG of 21 moths per trap in 2017). The peak week for WBC was the third week in July (July 15 through 21) with an average of 25 WBC/trap (Figure 2).

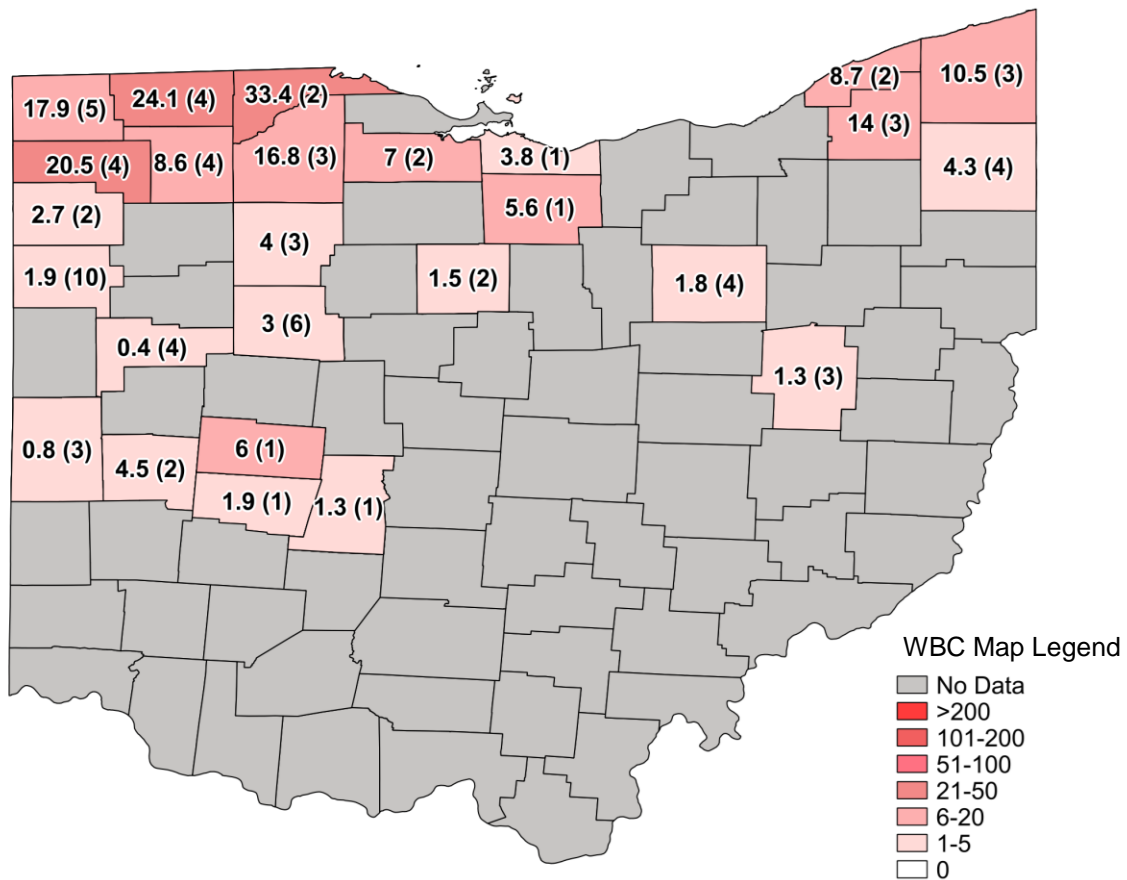


Figure 1. Map of Ohio counties that participated in Western bean cutworm (WBC) trapping in 2018. Number in each county signifies the overall season average followed by number of traps monitored each week in parentheses.

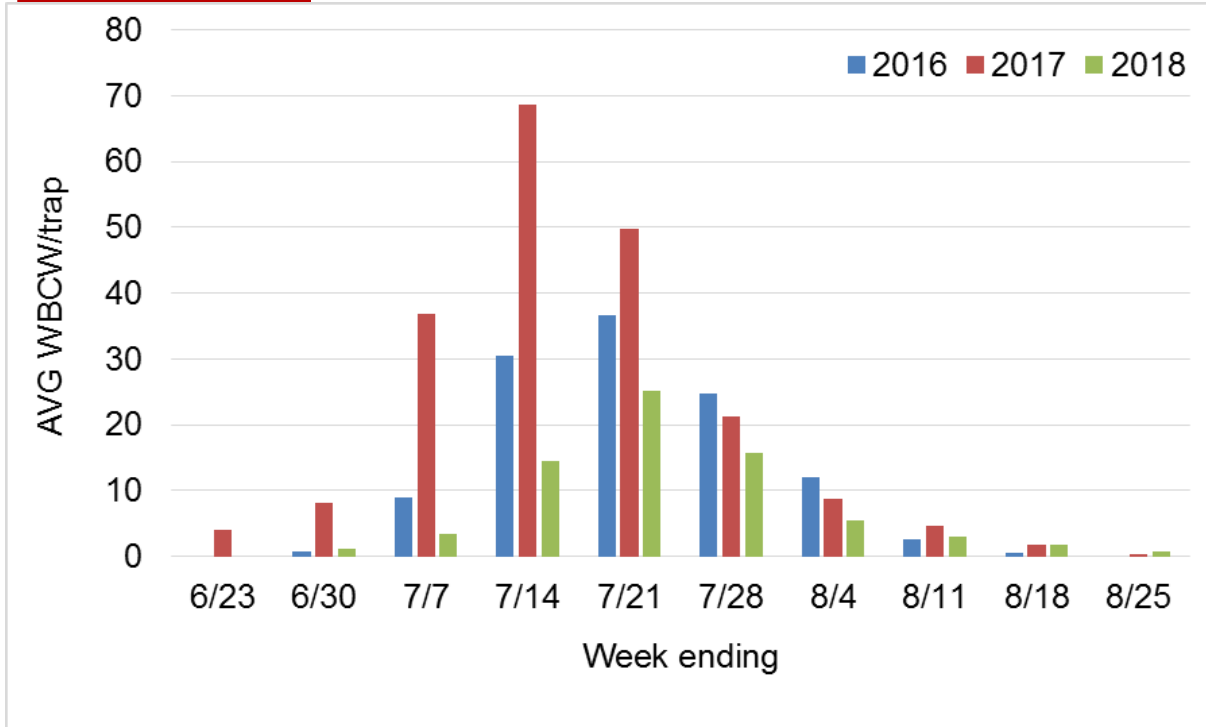


Figure 2. Average number of Western bean cutworm (WBC) adults recorded in traps in 2016 (blue), 2017 (red) and 2018 (green).

Table 1. Summary of the Western bean cutworm (WBC) monitoring program in Ohio from 2016 to 2018.

| | 2016 | 2017 | 2018 |
|--|------------------------------|------------------------------|------------------------------|
| Number of counties monitored | 15 | 24 | 26 |
| Number of overall traps | 60 | 84 | 80 |
| Monitoring start date | June 26 | June 23 | June 24 |
| Monitoring end date | August 28 | August 25 | August 25 |
| AVG WBC/trap calculated across the 3 biggest catch weeks | 31 (July 11 - 31) | 51 (July 1 - 21) | 18 (July 8 - 28) |
| Overall AVG WBC | 16 | 21 | 8 |
| Peak flight | 3 rd week of July | 2 nd week of July | 3 rd week of July |

Table 2. County, peak week and average number of WBC/trap during the peak week in 2018.

| County | Peak week | AVG WBC/trap |
|---------------|------------------------|---------------------|
| Ashtabula | 7/22 – 7/28 | 33.0 |
| Auglaize | 7/8 – 7/14 | 1.8 |
| Champaign | 7/8 – 7/14 | 48.0 |
| Clark | 7/1 – 7/7 & 7/8 – 7/14 | 8.0 |
| Crawford | 7/8 – 7/14 | 6.5 |
| Darke | 7/8 – 7/14 | 3.3 |
| Defiance | 7/8 – 7/14 | 58.0 |
| Erie | 7/8 – 7/14 | 12.0 |
| Fulton | 7/15 – 7/21 | 88.5 |
| Geauga | 7/22 – 7/28 | 48.3 |
| Hancock | 7/1 – 7/7 | 14.0 |
| Hardin | 7/8 – 7/14 | 11.0 |
| Henry | 7/15 – 7/21 | 47.0 |
| Huron | 7/8 – 7/14 | 20.0 |
| Lake | 7/15 – 7/21 | 19.5 |
| Lucas | 7/15 – 7/21 | 119.5 |
| Madison | 7/15 – 7/21 | 5.0 |
| Miami | 7/8 – 7/14 | 19.0 |
| Paulding | 7/8 – 7/14 | 8.5 |
| Sandusky | 7/22 – 7/28 | 32.0 |
| Trumbull | 7/15 – 7/21 | 20.3 |
| Tuscarawas | 7/8 – 7/14 | 5.3 |
| Van Wert | 7/8 – 7/14 | 9.3 |
| Wayne | 7/15 – 7/21 | 5.5 |
| Williams | 7/15 – 7/21 | 78.2 |
| Wood | 7/15 – 7/21 | 62.7 |