##  **Appendix K: On-Site Monitoring Form**

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| Locality: |       | Name: |       | Year: |      |

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| BlockNumber | Application Date (m/d/yy) | Load Time (24 hour) | Aircraft Tail Number | Temp (F) | Humidity | Wind Speed & Direction | Percent Foliage Expansion | Larval Instar | Rainfall |
| 4 Hrs. | 8 Hrs. |
|      |       |       |       |    ® |    % |       |    % |       |       |       |
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|      |       |       |       |    ® |    % |       |    % |       |       |       |
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|      |       |       |       |    ® |    % |       |    % |       |       |       |
| Comments:       |
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ON-SITE MONITORING FORM INSTRUCTIONS

**Locality**: enter your locality

**Name**: enter the name of the person recording the on-site data.

**Year**: current year

**Block Number**: Enter one block per line. Block numbers can be entered in the order in which they are sprayed.

**Application Date**: Enter the month and day the application takes place.

**Load Time**: Enter the time the aircraft left airport to treat block. This time can be used to compare on-site data with flight data from aircraft.

**Aircraft Tail Number**: Enter the FAA tail number of aircraft conducting the application. This tail number will be cross-referenced with an aircraft calibration data form that provides specific information about the type and configuration of the aircraft. If more than one aircraft is used in block, enter other aircraft in comments section.

**Temp:** Enter temperature in Degrees F. Temperature readings should be taken at or near the blocks. Use the average temperature during treatment.

**Relative Humidity:**Relative humidity should be estimated at or near the block. Use the average relative humidity during treatment of the block. The sling psychrometer or digital weather meter (Ex. Kestrel) should be used for relative humidity estimates.

**Wind Speed**: Average wind speed can be estimated using the Beaufort wind scale or a digital weather meter (ex. Kestrel). The Beaufort wind scale can be found in the Appendix G. Note: wind speed is estimated for tree tops. Use the mid-point of the wind scale or the wind speed that represents the average wind speed during treatment. Estimate wind speeds at or near the block.

**Percent Foliage Expansion**: Refers to oak (red or white) foliage expansion at the time of treatment. Use an average of leaf expansion conditions. Observe some at the top of trees as well as some at the lower crown.

**Larval Instar**: Visually inspect 10 larvae. Indicate the predominant larval instar. Select one! Use the guide found in Appendix G.

**Rainfall**: Rainfall should be monitored after treatment. If rain is in the geographic area, the block should be checked from time to time to observe if rainfall occurs.

* 4 Hrs. - Enter “yes” only if certain the block experienced rainfall of the least ½ inch.

Enter “no” if there was no rainfall in block. Enter “UNK” if unknown. If precise amount of rainfall is known, enter the amount instead of “yes.”

* 8 Hrs. - Enter “yes” only if certain the block experienced rainfall of the least ½ inch.

Enter “no” if there was no rainfall in block. Enter “UNK” if unknown. If precise amount of rainfall is known, enter the amount instead of “yes.