Quarterly Species-Specific Fly Monitoring

Year: _____

This sheet quarterly tracks specific fly species through a variety of monitoring methods (i.e., on-animal fly count, pest avoidance behaviors, spot cards/traps). Utilization of this sheet requires species-specific identification knowledge and can be used with the "Management Tool Tracking" sheet to track efficacy of utilized treatments. Additionally, this sheet may be used with "Species-Specific Seasonal Abundance Graph" on *page 3-4*. Refer to "Fly Identification by Species" in the Fly ID Resource for more information.

Pest	Monitoring Period	Total On-Animal Fly Count	Number of Animals Counted[1]	Number of Flies per Animal[3]	Economic Injury Level[2]	Total Pest Avoidance Behavior Count (if applicable)	Number of Animals Counted[1]	Number of Behaviors per Animal[3]	Economic Injury Level[2]	Pest Count on Spot Cards, Traps (if applicable)	Economic Injury Level[2]	Notes
Stable Fly					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
Pest	**Monitoring Period**	**Total On-Animal Fly Count**	**Number of Animals Counted[1]**	**Number of Flies per Animal[3]**	**Economic Injury Level[2]**	**Total Pest Avoidance Behavior Count (if applicable)**	**Number of Animals Counted[1]**	**Number of Behaviors per Animal[3]**	**Economic Injury Level[2]**	**Pest Count on Spot Cards, Traps (if applicable)**	**Economic Injury Level[2]**	**Notes**
Face Fly					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	

Fly Identification Resource: Quarterly Species-Specific Fly Monitoring Sheet
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Pest	Monitoring Period	Total On-Animal Fly Count	Number of Animals Counted[1]	Number of Flies per Animal[3]	Economic Injury Level[2]	Total Pest Avoidance Behavior Count (if applicable)	Number of Animals Counted[1]	Number of Behaviors per Animal[3]	Economic Injury Level[2]	Pest Count on Spot Cards, Traps (if applicable)	Economic Injury Level[2]	Notes
House Fly					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
Pest	**Monitoring Period**	**Total On-Animal Fly Count**	**Number of Animals Counted[1]**	**Number of Flies per Animal[3]**	**Economic Injury Level[2]**	**Total Pest Avoidance Behavior Count (if applicable)**	**Number of Animals Counted[1]**	**Number of Behaviors per Animal[3]**	**Economic Injury Level[2]**	**Pest Count on Spot Cards, Traps (if applicable)**	**Economic Injury Level[2]**	**Notes**
Horn Fly					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	
					☐ Above ☐ Below				☐ Above ☐ Below		☐ Above ☐ Below	

[1]It is advised to count at least 5-15 animals to accurately estimate fly count. Refer to "Fly Monitoring" in the Fly ID resource for more information. [2]Refer to "Fly Monitoring by Species" for species-specific Economic Injury Levels. [3]If spreadsheet is utilized in Excel, values for "Number of Flies per Animal" and "Number of Behaviors per Animal" are automatically calculated using values from "Total On-Animal Fly Count", "Number of Animals Counted" and "Total Pest Avoidance Behavior Count (if applicable)", "Number of Animals Counted", respectfully. These values are used to track seasonal fly abundance and avoidance behaviors in "Seasonal Fly Abundance Graph".

Fly Identification Resource: Quarterly Species-Specific Fly Monitoring Sheet
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Species-Specific Seasonal Fly Abundance Graph

Year: _____

Use this sheet as a visual tool to assess annual fly abundance on your operation. Each graph is color-coded according to species of interest (Stable, Face, House, and Horn flies) and is designed to display the number of flies per animal for each monitoring period. Note: If using the Excel version of this document, labels for "Monitoring Period" will automatically populate depending on what is noted in "Monitoring Period" in the "Specific Fly Monitoring" sheet for each species. Values for "Number of Flies Per Animal" will automatically populate based on what is observed in "Number of Flies per Animal" in the "Specific Fly Monitoring" sheet. This sheet is best utilized in Excel in conjunction with the "Special Fly Monitoring" sheet. However, all variables can be manually inputted and graphed below as well.

Number of Stable Flies per Animal over Four Monitoring Periods

Number of Flies Per Animal

Monitoring Period

Number of Face Flies per Animal over Four Monitoring Periods

Number of Flies Per Animal

Monitoring Period

Fly Identification Resource: Species-Specific Seasonal Fly Abundance Graph
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Number of House Flies Animal over Four Monitoring Periods

Number of Flies Per Animal

Monitoring Period

Number of Horn Flies per Animal over Four Monitoring Periods

Number of Flies Per Animal

Monitoring Period

Fly Identification Resource: Species-Specific Seasonal Fly Abundance Graph
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