Adulticiding Factor Analysis Guidelines*

AFA Low – Total Range from 6 - 9 AFA Medium – Total Range is from 10 – 14 AFA High – Total Range is from 15 – 18

Value

Soil and precipitation conditions have resulted in a cumulative total of less than 2.5 cm of rain and soil saturation is not occurring over the past 7 days. 1 Soil and precipitation conditions have resulted in a cumulative total of between 2.5 cm and 7.5 cm of rain and soil saturation is beginning to occur over the past 7 days. 2 Soil and precipitation conditions have resulted in a cumulative total of greater than 7.5 cm of rain and soil saturation has occur over the past 7 days. 3 Degree day model (base 14.3 degrees Celsius) threshold is equal to or less than 110. 1 Degree day model (base 14.3 degrees Celsius) threshold is between 110 and 200. 3 Tinsert value of 1, 2 or 3 1 Probability of nuisance adult mosquito emergence in less than 7 days is increasing. 1 Probability of nuisance adult mosquito emergence in less than 3 days is imminent. 3 Nuisance mosquito percentages are stable and numbers average 1 200/trap/night in the 5 CDC/CO ₂ traps for 2 consecutive days. 2 Nuisance mosquito percentages are stable and numbers average more than 200/trap/night in the 5 CDC/CO ₂ traps for 2 consecutive days. 2 Nuisance mosquito percentages are stable and numbers average more than 200/trap/night in the 5 CDC/CO ₂ traps for 2 consecutive days. 2 Nuisance mosquito percentages are stable and numbers average more than 200/trap/night in the 5 CDC/CO ₂ traps for 2 consecutive days. 2	-	
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* Modified from the Pesticide Use Permit issued to the City of Winnipeg, Insect Control Branch.

¹ Converted from the City of Winnipeg's average of 25/night for New Jersey Light Traps with a 25 watt bulb. A conversion factor of 8x was used for CDC/CO₂ traps, see Copps, P. 1983. Habitat Distribution of Mosquitoes in Southern Ontario with an Assessment of Adult Trapping Techniques. M.Sc. Thesis, University of Guelph. 60 pp.