

$$SID_{avian} = \frac{C_{air} * IR_{avian} * D * F_{inhaled}}{60 * AW_{avian}}$$

SID_{avian} = Spray droplet inhalation dose of assessed bird

C_{air} = Air column concentration after spray

IR_{avian} = Inhalation rate of assessed bird

D = Duration of direct spray inhalation

$F_{inhaled}$ = Fraction of spray inhaled

AW_{avian} = Body weight of assessed bird

60 = Hours to minutes conversion