Public Health
Prevent. Promote. Protect.

Brown County Health Department
9116 Hamer Road, Suite 101, Georgetown, OH 45121
(P) 937.378.6892 | (F) 937.378.4301 | Monday – Friday 8AM – 4:30 PM
www.browncountyhealth.org

MOUND DOSE WORK SHEET

Owner Name: _____ Date: _____ Permit # _____

Address: _____

Number of Bedrooms: ____ x 120 gallons per day = _____ (Qpeak) gal per day

_____ Qpeak x 60% = _____ (Q average) gal per day

Manufacturer of dose tank _____

Dose Tank Volume _____

Gallons per inch _____

Run Time _____ minutes

Start Measurement _____

End Measurement _____

Difference _____

Difference x gallons per inch (or chart) _____ gallons

Gallons/run time = _____ gallons per minute (Qset)

Drain back measurement _____

Drain back x gallons per inch = _____ Vtotal Drain back

Qdesign (Qdesign is number orifices x orifice flow rate) _____ gallons per minute

1/8 = .43 gallons per minute 3/16 = .97 gallons per minute

Qset _____ / Qdesign _____ = _____ %

Qset/Qdesign must be between .85% & 1.15%

Dose Volume (per design) = _____ gallons per dose (Vnet dose)

Vnet dose _____ gallons per dose + Vtotal drain back _____ gallons = Vtotal dose _____ gallons

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CALCULATE TIMER SETTINGS

Owner Name: _____ Date: _____ Permit # _____

Address: _____

On setting = Vtotal Dose (gallons per dose) / Qset (gallons per minute) = _____ gallons per dose / _____ gallons per minute = On setting _____ minutes per dose

Convert the decimal number to seconds by multiplying the number by 60. For example: 1.25 x 60 = 75 seconds.

On setting = _____ minutes _____ seconds (note: override on setting set the same as on setting)

Off setting = Qaverage (gallons per day) / Vet Net Dose (gallons per dose) = _____ gallons per day / _____ gallons per dose = (Daverage) _____ doses per day

24 hours per day / (Daverage) _____ doses per day = Off setting _____

Convert the decimal number to seconds by multiplying the number by 60. For example: 1.25 x 60 = 75 seconds.

Off Setting = _____ hours _____ minutes per dose

Override Off Setting = Qpeak (gallons per day) / Vnet Dose (gallons per dose) = _____ gallons per day / _____ gallons per dose = Dpeak _____ doses per day

24 hours per day / (Dpeak) _____ doses per day = Override Off Setting ____ hours/dose

Convert the decimal number to seconds by multiplying the number by 60. For example: 1.25 x 60 = 75 seconds.

Override Off Setting = _____ hours _____ minutes per dose