

**Discharge Worksheet - Reward®**

**Instructions:** Use this Worksheet to calculate estimates of 1) the *maximum* amount of Reward® to be used for a single treatment of fish at your facility, and 2) the resulting concentration of Reward® in your total hatchery wastewater discharge.

*Handy conversion factors:* 1 part per million (ppm) = 0.0283 grams/cuft; or, 0.0038 grams/gallon.

**Calculations:**

**Step 1 - Calculate the total flow of treated and untreated water during treatment period:**

1a. Number of rearing units to be treated: \_\_\_\_\_

1b. Total water volume (at treatment flow rates) to these units during treatment period: \_\_\_\_\_ (gal.) or (cu ft.) of treated flow

1c. Total water volume to all other untreated units during treatment period: \_\_\_\_\_ (gal.) or (cu ft.) of untreated flow

1d Grand total hatchery discharge (Treated + Untreated) during treatment period: \_\_\_\_\_ (gal.) or (cuft.) of total flow

**Step 2 - Calculate the amount of Reward® needed:**

2a \_\_\_\_\_ gms = \_\_\_\_\_ \* \_\_\_\_\_ \* \_\_\_\_\_ ppm / \_\_\_\_\_  
 Amount Vol. from line 1b Conv. factor\* Desired dosage % Active Ingredient

**Step 3 - Calculate Reward® level in hatchery discharge during treatment period:**

3a \_\_\_\_\_ ppm = \_\_\_\_\_ / ( \_\_\_\_\_ \* \_\_\_\_\_ )  
 Disch. level Amt. from line 2a Total vol. (line 1d) Conver. factor\*  
 \*If in gallons use 0.0038  
 If in cubic ft use 0.0283