

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: 2

1b. Total water volume (at treatment flow rates) to these units during treatment

period: 7200 gal (gal.) or (cu ft.) of treated flow

1c. Total water volume to all other untreated units during treatment

period: 9600 gal (gal.) or (cu ft.) of untreated flow

1d Grand total hatchery discharge (Treated + Untreated) during treatment

period: 16,800 (gal.) or (cuft.) of total flow

Step 2 - Calculate the amount of Reward® needed:

2a 13.2 gms = 7200 * 0.0038 * 18 ppm / 37.3
 Amount Vol. from line 1b Conv. factor* Desired dosage % Active Ingredient

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

3a 0.2068 ppm = 13.2 / (16800 * 0.0038)
 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