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| --- |
|  |
|  | **control** | **2.9 μg/L** | **5.2 μg/L** | **10.3 μg/L** | **19.8 μg/L** | **102 μg/L** |
| **FECUNDITY (eggs per pair-day)** |
| F0 | 37.0 (34.8-39.2) | 33.5 (31.0-36.1) | 37.7 (35.1-40.2) | 33.1 (30.6-35.7) 0.122 | 25.8 (23.2-28.3) 0.007 | 18.3 (15.7-20.8) 0.001 |
| F1 | 38.9 (36.8-41.0) | 34.5 (32.3-36.7) 0.031 | 34.7 (32.5-36.9) 0.001 | 26.0 (23.7-28.2) 0.001 | 11.8 (9.6-14.0) 0.001 | 11.5 (9.3-13.7) 0.001 |
| **PERCENT FERTILE** |
| F0 | 92% (86%-99%) | 91% (78%-105%) | 95% (93%-97%) | 92% (85%-98%) 0.08 | 84% (68%-100%) 0.018 | 53% (23%-82%) 0.001 |
| F1 | 89% (83%-95%) | 88% (75%-100%) | 91% (88%-94%) 0.26 | 85% (80%-91%) 0.013 | 76% (58%-94%) 0.002 | 67% (53%-82%) 0.001 |
| **PERCENT HATCH**  |
| F1 | 73% (63%-83%) | 82% (64%-99%) | 63% (49%-76%) 0.224 | 55% (28%-82%) 0.04 | 29% (13%-46%) 0.001 | 25% (13%-38%) 0.001 |
| F2 | 92% (87%-97%) | 89% (77%-101%) 0.385 | 60% (29%-91%) 0.014 | 51% (25%-77%) 0.001 | 37% (12%-61%) 0.001 | 33% (11%-54%) 0.001 |
| **TIME-TO-HATCH (days post fertilization)** |
| F1 | 11.5 (10.8-12.2) | 11.4 (10.6-12.2) | 12.5 (11.3-13.6) | 13.1 (11.1-15.0) 0.1 | 14.9 (13.3-16.7) <0.0004 | 15.4 (11.6-19.3) <0.0004 |
| F2 | 8.5 (8.4-8.7) | 9.8 (9.2-10.3) <0.0004 | 10.6 (10.0-11.2) <0.0004 | 10.7 (10.3-11.1)<0.0004 | 12.4 (10.9-13.8) <0.0004 | 13.3 (12.3-14.5) <0.0004 |
|  |
|  | **control** | **2.9 μg/L** | **5.2 μg/L** | **10.3 μg/L** | **19.8 μg/L** | **102 μg/L** |
|  | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** |
| **FINAL ADULT WEIGHT (mg)** |
| F0 | 460 (458-462) | 421 (418-423) | 442 (440-445) | 416 (414-419) | 395 (392-397) | 415 (413-418) | 417 (415-420) | 375 (372-378) 0.08 | 436 (434-439) | 345 (342-347) 0.007 | 415 (412-418) 0.109 | 324 (321-327) 0.001 |
| F1 | 610 (608-612)  | 362 (360-364) | 546 (545-548) 0.065 | 385 (383-387) | 444 (442-446) 0.001 | 324 (322-326) 0.138 | 328 (326-330) 0.001 | 246 (244-249) 0.001 | 255 (253-258) 0.001 | 154 (152-156) 0.001 | 221 (218-223) 0.065 | 172 (169-174) 0.001 |
| **GROWTH during F0 REPRODUCTION ASSESSMENT** |
| Length (mm) | 4 (3,5) | 3 (2,3) | 3 (1,6) | 3 (1,4) | 3 (2,4) 0.136 | 3 (1,4) 0.326 | 2 (1,3) 0.007 | 1 (1,2) 0.013 | 2 (1,3) 0.001 | 1 (0,2) 0.001 | 1 (1,2) 0.001 | 1 (0,1) 0.001 |
| Weight (mg) | 45 (6,83) | 20 (-6,47) | 14 (-53,80) 0.354 | 3 (-34,40) | -39 (-63, -14) 0.018 | 32 (-7,70) | -50 (-81, -19) 0.002 | -11 (-24,3) 0.147 | -52 (-91, -12) 0.001 | -76 (-135, -15) 0.001 | -33 (-114,47) 0.002 | -73 (-109, -36) 0.01 |
| **SUBADULT WEIGHT (mg)** |
| F1 | 319 (317-321) | 247 (245-249) | 282 (279-284) 0.004 | 220 (218-222) 0.202 | 218 (216-220) 0.001 | 175 (173-178) 0.001 | 161 (159-163) 0.001 | 123 (121-125) 0.001 | 98 (96-100) 0.001 | 90 (88-92) 0.001 | 101 (98-103) 0.001 | 98 (96-100) 0.001 |
| **FINAL ADULT LENGTH (mm)** |
| F0 | 35.2 (33.0-37.5) | 35.1 (32.9-37.3) | 35.6 (32.8-38.4) | 35.1 (32.6-37.7) | 34.0 (31.4-36.6) | 34.7 (32.1-37.2) 0.308 | 34.4 (31.6-37.2) | 33.5 (30.9-36.1) 0.039 | 34.8 (32.3-37.4) 0.209 | 32.5 (29.9-25.1) 0.002 | 32.9 (30.0-35.6) 0.024 | 32.7 (30.1-35.2) 0.001 |
| F1 | 36.9 (34.8-38.9) | 34.6 (32.5-36.7) | 36.4 (34.2-38.6) 0.343 | 35.3 (33.0-37.5) | 34.2 (32.0-36.4) 0.001 | 33.2 (31.0-35.4) 0.061 | 30.8 (28.6-33.0) 0.001 | 29.5 (27.2-31.8) 0.001 | 27.8 (25.6-30.0) 0.001 | 26.2 (24.0-28.4) 0.001 | 27.9 (25.7-30.1) 0.001 | 25.9 (23.7-28.1) 0.001 |
| **SUBADULT LENGTH (mm)** |
| F1 | 28.3 (26.3-30.3) | 27.0 (25.0-29.1) | 27.3 (25.2-29.3) 0.011 | 26.2 (24.1-28.2) 0.156 | 25.2 (23.1-27.2) 0.001 | 24.1 (22.0-26.2) 0.001 | 22.5 (20.5-24.6) 0.001 | 21.7 (19.6-23.7) 0.001 | 19.5 (17.4-21.6) 0.001 | 19.1 (17.0-21.1) 0.001 | 18.6 (16.5-20.7) 0.001 | 18.8 (16.6-20.9) 0.001 |
|  | **ADULT ANAL FIN PAPILLAE (number per fish)** |
| F1 | 0 | 89 (87-91) | 0 | 96 (94-98) | 0 | 89 (86-91) 0.602 | 0 | 72 (69-74) 0.031 | 0 | 64 (62-66) 0.001 | 0 | 54 (52-56) 0.001 |
|  | **SUBADULT ANAL FIN PAPILLAE (number per fish)** |
| F1 | 0 | 76 (74-78) | 0 | 76 (74-78) | 0 | 72 (70-74) 0.569 | 0 | 47 (45-49) 0.005 | 0 | 33 (31-35) 0.001 | 0 | 25 (23-28) 0.001 |

Mean (95% confidence interval) p value