

| Species             | Water type | Feed regime | Ammonia (mg/l) | Mean wing length (mm) | Days till emergence    |
|---------------------|------------|-------------|----------------|-----------------------|------------------------|
| <i>An. coluzzii</i> | Deionised  | Solution    | 0              | 3.00 (2.86–3.13) 20   | 9.85 (9.41–10.29) 20   |
|                     |            |             | 0.6            | 2.95 (2.86–3.04) 22   | 9.77 (9.44–10.11) 22   |
|                     |            |             | 1.3            | 2.81 (2.68–2.93) 17   | 10.24 (9.67–10.80) 17  |
|                     |            |             | 2.5            | 2.81 (2.66–2.95) 16   | 9.75 (9.25–10.25) 16   |
|                     |            |             | 12.5           | 2.9 (2.24–3.56) 3     | 11.33 (9.89–12.77) 3   |
|                     |            |             | 25             | 0                     | 0                      |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     |            | Powder      | 0              | 3.00 (2.87–3.11) 22   | 9.82 (9.52–10.11) 22   |
|                     |            |             | 0.6            | 2.85 (2.74–2.97) 17   | 9.76 (9.38–10.15) 17   |
|                     |            |             | 1.3            | 2.88 (2.77–2.98) 24   | 10.42 (10.14–10.69) 24 |
|                     |            |             | 2.5            | 2.76 (2.58–2.94) 14   | 10.29 (9.81–10.76) 14  |
|                     |            |             | 12.5           | 0                     | 0                      |
|                     |            |             | 25             | 0                     | 0                      |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     | Mineral    | Solution    | 0              | 3.07 (2.98–3.16) 22   | 9.64 (9.31–9.96) 22    |
|                     |            |             | 0.6            | 2.98 (2.89–3.07) 23   | 9.74 (9.44–10.04) 23   |
|                     |            |             | 1.3            | 2.92 (2.80–3.04) 19   | 9.37 (9.13–9.61) 19    |
|                     |            |             | 2.5            | 3.04 (2.94–3.13) 19   | 9.68 (9.36–10.01) 19   |
|                     |            |             | 12.5           | 2.97 (2.88–3.07) 21   | 9.67 (9.40–9.93) 21    |
|                     |            |             | 25             | 2.90 (2.90–2.90) 2    | 10.5 (–8.56–29.56) 2   |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     |            | Powder      | 0              | 3.03 (2.93–3.13) 22   | 9.86 (9.40–10.32) 22   |
|                     |            |             | 0.6            | 3.04 (2.95–3.14) 23   | 9.43 (9.14–9.72) 23    |
|                     |            |             | 1.3            | 3.01 (2.86–3.16) 17   | 9.06 (8.77–9.34) 17    |
|                     |            |             | 2.5            | 2.98 (2.92–3.04) 20   | 9.50 (9.22–9.78) 20    |
|                     |            |             | 12.5           | 2.93 (2.75–3.10) 16   | 9.63 (9.30–9.95) 16    |
|                     |            |             | 25             | 0                     | 0                      |
|                     |            |             | 62.5           | 0                     | 0                      |
| <i>An. gambiae</i>  | Deionised  | Solution    | 0              | 2.97 (2.86–3.08) 24   | 10.38 (10.10–10.65) 24 |
|                     |            |             | 0.6            | 3.02 (2.95–3.08) 26   | 10.15 (9.91–10.40) 26  |
|                     |            |             | 1.3            | 2.97 (2.89–3.04) 27   | 10.41 (10.16–10.66) 27 |
|                     |            |             | 2.5            | 2.95 (2.83–3.07) 21   | 10.29 (10.08–10.50) 21 |
|                     |            |             | 12.5           | 2.77 (2.55–2.98) 6    | 12.67 (11.23–14.10) 6  |
|                     |            |             | 25             | 0                     | 0                      |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     |            | Powder      | 0              | 3.07 (2.96–3.18) 28   | 10.36 (10.00–10.71) 28 |
|                     |            |             | 0.6            | 2.99 (2.91–3.08) 22   | 10.23 (9.96–10.50) 22  |
|                     |            |             | 1.3            | 2.92 (2.84–2.99) 20   | 10.35 (10.12–10.58) 20 |
|                     |            |             | 2.5            | 2.93 (2.81–3.05) 16   | 10.75 (10.51–10.99) 16 |
|                     |            |             | 12.5           | 0                     | 0                      |
|                     |            |             | 25             | 0                     | 0                      |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     | Mineral    | Solution    | 0              | 3.06 (2.98 –3.14) 23  | 9.43 (9.22–9.65) 23    |
|                     |            |             | 0.6            | 3.05 (2.98–3.13) 26   | 9.85 (9.60–10.09) 26   |
|                     |            |             | 1.3            | 2.98 (2.90–3.06) 25   | 10.08 (9.88–10.28) 25  |
|                     |            |             | 2.5            | 2.82 (2.72–2.93) 30   | 9.60 (9.39–9.81) 30    |
|                     |            |             | 12.5           | 2.88 (2.76–2.99) 25   | 10.76 (10.51–11.01) 25 |
|                     |            |             | 25             | 2.6 (–2.48–7.68) 2    | 11.50 (5.15–17.85) 2   |
|                     |            |             | 62.5           | 0                     | 0                      |
|                     |            | Powder      | 0              | 3.08 (3.00–3.17) 26   | 9.50 (9.29 – 9.71) 26  |
|                     |            |             | 0.6            | 3.06 (2.98–3.15) 26   | 9.54 (9.28–9.80) 26    |

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|---------|------------|-------------|----------------|-----------------------|------------------------|
|         |            |             | 1.3            | 2.95 (2.84-3.05) 29   | 9.79 (9.61-9.98) 29    |
|         |            |             | 2.5            | 3.02 (2.90-3.14) 25   | 9.48 (9.27-9.69) 25    |
|         |            |             | 12.5           | 2.81 (2.67-2.94) 23   | 10.35 (10.14-10.56) 23 |
|         |            |             | 25             | 0                     | 0                      |
|         |            |             | 62.5           | 0                     | 0                      |

Notes: Ninety-five percent confidence intervals are in parentheses and the samples sizes, the number of surviving individuals out of an initial number of 30 larvae are italicized