Rearing Methods

doi: 10.1111/jeb.12227

*Ostrinia nubilalis* (ECB) reared under conditions of diapause include the following parameters.

|  |  |
| --- | --- |
| UZ eggs   * Temp 23C at 12L:12D * stored in 16oz deli containers   UZ larvae   * Temp 23C at 12L:12D * Southland ECB diet until diapause induction * Moved individually into cotton stuffed pipette tips at 35 day   UZ pupa   * Temp 23C at 12L:12D * Counted and added to a cage   UZ adult   * Temp 23C at 12L:12D * 1-2oz cup with water soaked cotton ball and allowed to mate freely. * Eggs collected daily and stored. | BE eggs   * Temp 23C at 12L:12D * stored in 16oz deli containers   BE larvae   * Temp 23C at 12L:12D * Southland ECB diet until diapause induction * Moved individually into cotton stuffed pipette tips at 35 day   BE pupa   * Temp 23C at 12L:12D * Counted and added to a cage   BE adult   * Temp 23C at 12L:12D * 1-2oz cup with water soaked cotton ball and allowed to mate freely. * Eggs collected daily and stored. |

*Ostrinia nubilalis* (ECB) reared under conditions of non-diapause include the following parameters.

|  |  |
| --- | --- |
| UZ eggs   * Temp 23C at 16L:8D * stored in 16oz deli containers   UZ larvae   * Temp 23C at 16L:8D * Southland ECB diet until pupation   UZ pupa   * Removed from diet and placed in 16oz deli container with paper towel   UZ adult   * Up to 200 adults per cage * 1-2oz cup with water soaked cotton ball and allowed to mate freely. * Eggs collected daily and stored. | BE eggs   * Temp 23C at 16L:8D * stored in 16oz deli containers   BE larvae   * Temp 23C at 16L:8D * Southland ECB diet until pupation   BE pupa   * Removed from diet and placed in 16oz deli container with paper towel   BE adult   * Up to 200 adults per cage * 1-2oz cup with water soaked cotton ball and allowed to mate freely. * Eggs collected daily and stored. |