WHAT IS CLAIMED IS:

1. A composition-of-matter for mosquito control, comprising a cell comprising an exogenous naked dsRNA which specifically down-regulates expression of a gene being endogenous to a mosquito, wherein said exogenous naked dsRNA is devoid of a heterologous promoter for driving expression of said dsRNA and wherein said cell is selected from the group consisting of a microbial cell or an algal cell.

2. The composition-of-matter of claim 1, wherein said dsRNA affects fertility or fecundity of a female mosquito.

3. The composition-of-matter of claim 1, wherein said dsRNA targets a piRNA pathway gene and/or a sterility gene.

4. that the composition of matter of claim 1, wherein said dsRNA targets a gene comprising Aub (AAEL007698) or Argonaute-3 (AAEL007823).

5. The composition-of-matter of claim 3 or 4, wherein said nucleic acid larvicide comprises at least one dsRNA.

6. The composition-of-matter of claim 5, comprising a dsRNA which comprises SEQ ID NO: 1858 and a dsRNA which comprises SEQ ID NO: 1823.

7. A method of producing a larvicidal composition, the method comprising introducing into a cell a nucleic acid larvicide, thereby producing the larvicide, wherein said nucleic acid larvicide is a naked dsRNA devoid of a heterologous promoter for driving expression of said dsRNA in said cell and wherein said cell is selected from the group consisting of a microbial cell or an algal cell.

8. The method of claim 7, wherein said dsRNA affects fertility or fecundity of a female mosquito.

9. The method of claim 7 or 8, wherein said introducing is effected by electroporation.

10. The method of claim 7 or 8, wherein said introducing is effected by particle bombardment.

11. The method of claim 7 or 8, wherein said introducing is effected by chemical-based transfection.

12. The composition-of-matter of claim or method of any one of claims 1-11, wherein said dsRNA down-regulates a target gene selected from the group consisting of:

(i) affecting larval survival;

(ii) interfering with metamorphosis of larval stage to adulthood;

(iii) affecting susceptibility of mosquito larvae to a larvicide;

(iv) affecting susceptibility of an adult mosquito to an adulticide/insecticide; and

(v) affecting fertility or fecundity of a male or female mosquito.

13. The composition-of-matter or method of claim 12, wherein said target gene is selected from the group consisting of 1-427, 430-1813, 1826-1832.

14. The composition-of-matter or method of claim 12, wherein said target gene is selected from the group consisting of P-glycoprotein (AAEL010379), Argonaute-3 (AAEL007823), Cytochrome p450 (CYP9J26), Sodium channel (AAEL008297), Aub (AAEL007698), AeSCP-2 (AF510492.1), AeAct-4 (AY531222.2), AAEL002000, AAEL005747, AAEL005656, AAEL017015, AAEL005212, AAEL005922, AAEL000903 and AAEL005049.

15. The composition-of-matter or method of claim 12, wherein said target gene comprises Aub (AAEL007698) and Argonaute-3 (AAEL007823).

16. The composition-of-matter of claim 1 or method of claim 7, wherein said dsRNA comprises SEQ ID NOs: 1858 and 1823.

17. The composition-of-matter or method of any one of claims 1-16, wherein said cell is a yeast cell.

18. The composition-of-matter or method of any one of claims 1-16, wherein said cell is a bacterial cell.

19. The composition-of-matter or method of any one of claims 1-18, wherein the composition further comprises a food-bait.

20. The composition-of-matter or method of any one of claims 1-19, wherein the composition is formulated in a formulation selected from the group consisting of technical powder, wettable powder, dust, pellet, briquette, tablet and granule.

21. The composition-of-matter or method of claim 20, wherein said granule is selected from the group consisting of an impregnated granule, dry flowable, wettable granule and water dispersible granule.

22. The composition-of-matter or method of any one of claims 1-19, wherein the composition is formulated as a non-aqueous or aqueous suspension concentrate.

23. The composition-of-matter or method of any one of claims 1-19, wherein the composition is formulated as a semi-solid form.

24. The composition-of-matter or method of claim 23, wherein said semi-solid form comprises an agarose.

25. The composition-of-matter or method of any one of claims 1-23, wherein the cell is lyophilized.

26. The composition-of-matter or method of any one of claims 1-25, wherein the cell is non-transgenic.

27. The composition-of-matter or method of any one of claims 1-26 further comprising an RNA-binding protein.

28. The composition-of-matter or method of any one of claims 1-27, wherein said dsRNA comprises a carrier.

29. The composition-of-matter or method of claim 28, wherein said carrier comprises a polyethyleneimine (PEI).

30. The composition-of-matter or method of claim 1 or 7, wherein said dsRNA is selected from the group consisting of SEQ ID NOs: 1822-1825 and 1857-1868.

31. The composition-of-matter or method of any one of claims 1-29, wherein said dsRNA is selected from the group consisting of siRNA, shRNA and miRNA.

32. The composition-of-matter or method of any one of claims 1-31, wherein the composition further comprises at least one of a surface-active agent, an inert carrier vehicle, a preservative, a humectant, a feeding stimulant, an attractant, an encapsulating agent, a binder, an emulsifier, a dye, an ultra-violet protector, a buffer, a flow agent or fertilizer or micronutrient donors.

33. The composition-of-matter or method of any one of claims 1-31, wherein the composition further comprises a chemical larvicide or a biochemical larvicide or a combination of same.

34. The composition-of-matter or method of claim 33, wherein said larvicide is selected from the group consisting of Temephos, Diflubenzuron, methoprene, Bacillus sphaericus, and Bacillus thuringiensis israelensis.

35. A method of controlling or exterminating mosquitoes, the method comprising feeding larvae of the mosquitoes with an effective amount of the composition-of-matter of any one of claims 1-6, 12-34, thereby controlling or exterminating the mosquitoes.

36. The method of claim 35, wherein said mosquitoes comprise female mosquitoes capable of transmitting a disease to a mammalian organism.

37. The method of any one of claims 35-36, wherein said mosquitoes are of a species selected from the group consisting of *Aedes aegypti* and *Anopheles gambiae*.