up and bacteria growth. In addition, both powders and slurries tend to foul the aquatic environment over time, potentially harming part of the insect population.

SUMMARY

[0005] Various examples are described for a reformatted insect food product for aquatic environments and methods for manufacturing and using that reformatted insect food product. An aspect of a reformatted insect food product includes a measured amount of a mixture of at least one nutrient source suitable for an aquatic organism formed into a dispensable unit.

[0006] An aspect of a method of manufacturing a reformatted insect food product includes creating a mixture comprising at least one nutrient source suitable for an aquatic organism; separating out a measured amount of the mixture; and forming a dispensable food unit using the measured amount of the mixture.

[0006a] An aspect of a method of feeding a plurality of insect larvae a reformatted insect food product includes providing the reformatted insect food product, wherein the reformatted insect food product comprises: a mixture comprising a measured amount of at least one nutrient source suitable for an aquatic organism formed into a dispensable unit; and distributing the reformatted insect food product to the plurality of insect larvae in an aquatic environment.

[0007] These illustrative examples are mentioned not to limit or define the scope of this disclosure, but rather to provide examples to aid understanding thereof. Illustrative examples are discussed in the Detailed Description, which provides further description. Advantages offered by various examples may be further understood by examining this specification.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] The accompanying drawings, which are incorporated into and constitute a part of this specification, illustrate one or more certain examples and, together with the description of the example, serve to explain the principles and implementations of the certain examples.

[0009] Figures 1A and 1B show an example for a reformatted insect food product for aquatic environments according to this disclosure;

[0010] Figure 2 shows an example aquatic environment according to this disclosure;

[0011] Figures 3A-9 show other examples for a reformatted insect food product for aquatic environments according to this disclosure;

[0012] Figure 10 shows a flowchart for an example method for manufacturing a reformatted insect food product for aquatic environments according to this disclosure;

CLAIMS

That which is claimed is:

1. A reformatted insect food product comprising a measured amount of a mixture of at least one nutrient source suitable for an aquatic organism formed into a dispensable unit.

2. The reformatted insect food product of claim 1, wherein the at least one nutrient source comprises at least one of cricket protein powder, bovine liver powder, or Tetramin®.

3. The reformatted insect food product of claim 2, wherein the mixture comprises substantially 50% bovine liver powder and substantially 50% cricket protein powder.

4. The reformatted insect food product of claim 1, wherein the mixture is encased in a dissolvable capsule.

5. The reformatted insect food product of claim 4, wherein the dissolvable capsule is formulated to dissolve at a predetermined rate.

6. The reformatted insect food product of claim 4, wherein the dissolvable capsule is biologically inert.

7. The reformatted insect food product of claim 1, wherein the mixture is stored in a carrier comprising a sponge.

8. The reformatted insect food product of claim 1, wherein the mixture is formed into at least one of a tablet, a pellet, or a granule.

9. The reformatted insect food product of claim 1, wherein the mixture further comprises a dissolvable binding substance formulated to dissolve at a predetermined rate.

10. The reformatted insect food product of claim 9, wherein the dissolvable binding substance comprises at least one of a starch, a sugar, an agar, a gelatin, or a pectin.

11. The reformatted insect food product of claim 9, wherein the dissolvable binding substance is biologically inert.

12. The reformatted insect food product of claim 9, wherein the dissolvable binding substance coats an outer surface of a formed mixture.

13. The reformatted insect food product of claim 9, wherein the mixture forms at least one of a food sheet or a food rope.

14. A method of manufacturing a reformatted insect food product comprising:

creating a mixture comprising at least one nutrient source suitable for an aquatic organism;

separating out a measured amount of the mixture; and

forming a dispensable food unit using the measured amount of the mixture.

15. The method of claim 14, wherein the at least one nutrient source comprises at least one of cricket protein powder, bovine liver powder, or Tetramin®.

16. The method of claim 14, wherein the mixture comprises substantially 50% by weight bovine liver powder and substantially 50% by weight cricket protein powder.

17. The method of claim 14, further comprising mixing the measured amount of the mixture with a liquid to form a slurry.

18. The method of claim 17, further comprising dipping a carrier into the slurry to absorb the mixture.

19. The method of claim 18, further comprising drying the carrier and the slurry.

20. The method of claim 18, wherein the carrier comprises a sponge.

21. The method of claim 14, wherein the dispensable food unit comprises a dissolvable pill.

22. The method of claim 21, wherein forming the dissolvable pill comprises:

providing a dissolvable capsule casing;

placing the measured amount of the mixture into the dissolvable capsule casing; and

sealing the dissolvable capsule casing.

23. The method of claim 21, wherein forming the dissolvable pill comprises:

providing at least two dissolvable capsule casings;

placing a first measured amount of the mixture into a first dissolvable capsule casing;

sealing the first dissolvable capsule casing;

placing a second measured amount of the mixture and the sealed first dissolvable capsule casing into a second dissolvable capsule casing; and

sealing the second dissolvable capsule casing.

24. The method of claim 14, wherein forming the dispensable food unit comprises molding and compressing the measured amount of the mixture into a shape.

25. The method of claim 24, wherein the dispensable food unit comprises at least one of a tablet, a pellet, or a granule.

26. The method of claim 25, further comprising adding a dissolvable binding substance to the mixture.

27. The method of claim 26, wherein the dissolvable binding substance comprises at least one of a starch, a sugar, an agar, a gelatin, or a pectin.

28. The method of claim 26, wherein forming the dispensable food unit further comprises:

coating the dispensable food unit with the dissolvable binding substance.

29. The method of claim 27, wherein the dispensable food unit comprises at least one of a food sheet and a food rope.

30. A method of feeding a plurality of insect larvae a reformatted insect food product comprising:

providing the reformatted insect food product, wherein the reformatted insect food product comprises:

a mixture comprising a measured amount of at least one nutrient source suitable for an aquatic organism formed into a dispensable unit; and

distributing the reformatted insect food product to the plurality of insect larvae in an aquatic environment.

31. The method of claim 30, wherein the at least one nutrient source comprises at least one of cricket protein powder, bovine liver powder, or Tetramin®.

32. The method of claim 31, wherein the mixture comprises substantially 50% bovine liver powder and substantially 50% cricket protein powder.

33. The method of claim 30, further comprising agitating the aquatic environment to disperse the reformatted insect food product throughout the aquatic environment.

34. The method of claim 30, wherein distributing the reformatted insect food product to the plurality of insect larvae in the aquatic environment is performed using at least one of an auger, a broadcast spreader, a blow feeder, a conveyor belt, or a drum feeder.

35. The method of claim 30, wherein distributing the reformatted insect food product to the plurality of insect larvae in the aquatic environment is performed automatically based on a programmed schedule.