Claims:

1. A seed pod assembly, comprising:

a pod defining an interior region and configured to support contents therein;

a grow media positioned at least partially within the interior region;

a plant seed positioned at least partially within the interior region;

a seed positioning member positioned around the plant seed and configured to hold the plant seed in a specific location in the interior region;

a lid coupled to the pod to contain the plant seed within the interior region; and

an additive layer in the interior region, the additive layer positioned between two grow media layers;

wherein, the pod is sized to be positioned in an opening of a plant growing apparatus to allow water and nutrients to reach the plant seed or be released from within the pod.

2. The seed pod assembly of claim 1, wherein the pod has support segments separated by at least one opening, wherein the opening allows water, plant roots, and nutrients to enter and exit the interior region.

3. The seed pod assembly of claim 1, further comprising a filter positioned along at least a portion of walls of the interior region to provide a filter barrier between the interior region and a surrounding environment.

4. The seed pod assembly of claim 3, further wherein the grow media and plant seed are positioned at least partially within the filter in the interior region.

5. The seed pod assembly of claim 1, comprising additives in the interior region, wherein the additives are one or more of fertilizer, pH buffers, microbes, pesticides, adjuvants, animal repellant, soil enhancer, soil enricher, bone meal, plant growth hormones, cinnamon, sand, moisture absorbent, ribose, microbial inoculants, thermal retaining mass, detergent, cleaning solution, vinegar, hydrogen peroxide, soap, and fungicides.

6. The seed pod assembly of claim 1, wherein the contents positioned in the interior region are to be compressed into the pod.

7. The seed pod assembly of claim 1, wherein the seed positioning member is formed of a different material than the grow media.

8. The seed pod assembly of claim 1, wherein the seed positioning member is formed of foam.

9. The seed pod assembly of claim 1, wherein the seed pod assembly is configured to work incorporation with a wrap around the seed pod assembly, the wrap being configured to entirely surround the seed pod assembly and protect the contents of the seed pod assembly from the surrounding environment until the wrap is removed before the seed pod assembly is placed in the opening of the plant growing apparatus.

10. The seed pod assembly of claim 1, wherein the additive layer is in contact with the plant seed.

11. The seed pod assembly of claim 3, further wherein a portion of the filter is positioned at least partially between the lid and the pod and the lid is coupled to the pod to at least partially retain the filter therein.

12. The seed pod assembly of claim 1, comprising a retention tab coupled to or formed from the pod and configured to at least partially overlap a wall defining the opening when positioned therein.

13. The seed pod assembly of claim 12, wherein the retention tab has an inward taper configured to frictionally engage the wall of the opening when positioned therein.

14. The seed pod assembly of claim 12, further comprising a radial tab extending radially away from a pod axis, the retention tab being positioned at least partially adjacent to the radial tab.

15. The seed pod assembly of claim 14, further wherein the retention tab extends from a surface of the radial tab.

16. The seed pod assembly of claim 1, further comprising an identifier configured to identify the type of plant seed in the seed pod when the seed pod is positioned in the opening of a plant growing apparatus.

17. The seed pod assembly of claim 16, further wherein the identifier is on the lid.

18. The seed pod assembly of claim 16, further wherein the identifier is an RFID tag.

19. The seed pod assembly of claim 18, further wherein the RFID tag is positioned on a radial tab extending radially away from a pod axis.

20. The seed pod assembly of claim 1, further wherein one or more of the pod and the lid have a color configured to be associated with a corresponding opening of the plant growing apparatus.

21. A method for forming a seed pod assembly, comprising:

positioning a filter in an interior region of a pod;

inserting a first grow media layer into a cavity of the filter in the interior region of the pod;

placing a plant seed in the cavity of the filter on the first grow media layer;

inserting a second grow media layer into the cavity of the filter adjacent to the plant seed; and

compressing the contents of the interior region into the filter cavity as a lid is coupled to a top portion of the pod.

22. The method of claim 21, further comprising adding an additive mixture and a third grow media layer wherein the additive mixture is positioned between the first grow media layer and the third grow media layer.

23. The method of claim 22, wherein the additive mixture is one or more of fertilizer, pH buffers, microbes, pesticides, adjuvants, animal repellant, soil enhancer, soil enricher, bone meal, plant growth hormones, cinnamon, sand, moisture absorbent, thermal retaining mass, ribose, microbial inoculants, detergent, cleaning solution, vinegar, hydrogen peroxide, soap, and fungicides.

24. The method of claim 21, further wherein the placing a plant seed step comprises positioning the plant seed in a seed positioning member to hold the plant seed in the desired orientation within the interior region, the seed positioning member being a different material than the first and second grow media layer.

25. The method of claim 21, further comprising wrapping the seed pod assembly with a material wrap to completely seal the interior region of the seed pod assembly from the surrounding environment.

26. The method of claim 21, further wherein the coupling the lid to the top portion of the pod step comprises melting at least a section of the filter between the lid and the pod in a sandwich-type configuration wherein the materials of the filter melt into the pod.

27. The method of claim 21, further comprising forming an orifice in the lid and positioning a covering over the orifice, the covering being at least partially removable from the lid to expose the orifice.

28. The method of claim 27, further wherein the covering is dissolvable.

29. A method for forming a seed pod assembly, comprising:

positioning a filter in an interior region of a pod;

inserting a first grow media layer into a cavity of the filter in the interior region of the pod;

placing a plant seed in the cavity of the filter on the first grow media layer;

inserting a second grow media layer into the cavity of the filter adjacent to the plant seed;

adding an additive mixture and a third grow media layer wherein the additive mixture is positioned between the first grow media layer and the third grow media layer;

compressing contents of the interior region into the filter cavity; and

coupling a lid to a top portion of the pod.

30. A method for forming a seed pod assembly, comprising:

positioning a filter in an interior region of a pod;

inserting a first grow media layer into a cavity of the filter in the interior region of the pod;

placing a plant seed in the cavity of the filter on the first grow media layer by positioning the plant seed in a seed positioning member to hold the plant seed in the desired orientation within the interior region, the seed positioning member being a different material than the first and second grow media layer;

inserting a second grow media layer into the cavity of the filter adjacent to the plant seed; and

compressing contents of the interior region into the filter cavity as a lid is coupled to a top portion of the pod.

31. A method for forming a seed pod assembly, comprising:

positioning a filter in an interior region of a pod;

inserting a first grow media layer into a cavity of the filter in the interior region of the pod;

placing a plant seed in the cavity of the filter on the first grow media layer;

inserting a second grow media layer into the cavity of the filter adjacent to the plant seed; and

coupling a lid to a top portion of the pod by melting at least a section of the filter between the lid and the pod in a sandwich-type configuration wherein the materials of the filter melt into the pod.

32. A method for forming a seed pod assembly, comprising:

positioning a filter in an interior region of a pod;

inserting a first grow media layer into a cavity of the filter in the interior region of the pod;

placing a plant seed in the cavity of the filter on the first grow media layer;

inserting a second grow media layer into the cavity of the filter adjacent to the plant seed; and

compressing contents of the interior region into the filter cavity;

coupling a lid to a top portion of the pod; and

forming an orifice in the lid and positioning a covering over the orifice, the covering being at least partially removable from the lid to expose the orifice.