The Claims defining the Invention are as follows:

1. A hydroponic plant cultivation apparatus comprising:

a reservoir for holding fluid, the reservoir including a base and a cover, the base having a top edge, the cover having a lower edge and an upper opening vertically offset from the lower edge, the lower edge of the cover releasably engageable with the top edge of the base;

a planting column having a hollow interior, the planting column releasably engageable with the upper opening in the cover of the reservoir;

at least one planting port defined in the planting column for receiving plants at least partially into the hollow interior of the planting column;

a conduit passing through the hollow interior of the planting column, the conduit in fluid communication with the reservoir when the planting column is engaged with the upper opening in the cover;

a fluid distributor releasably engageable with a top of the planting column, the fluid distributor in fluid communication with the conduit when the fluid distributor is engaged with the top of the planting column;

a pump positioned in the reservoir;

a supply line extending from the pump to the upper opening in the cover; and

a fluid coupler positioned in and extending downward from the upper opening in the cover, the fluid coupler configured to fluidly couple the supply line to the conduit when the planting column is engaged with the upper opening in the cover, wherein the fluid coupler does not extend below the lower edge of the cover;

wherein fluid is selectively circulatable from the reservoir through the conduit in the planting column to the fluid distributor, where the fluid is redirected down the hollow interior of the planting column and back to the reservoir when the cover is engaged with the base, the planting column is engaged with the cover, and the fluid distributor is engaged with the planting column.

2. The apparatus of claim 1, wherein the base defines a lower portion of the reservoir, the cover defines an upper portion of the reservoir, and the fluid coupler does not extend into the lower portion of the reservoir.

3. The apparatus of claim 1, wherein:

the cover extends upward arcuately from the base of the reservoir with a downward concavity;

the cover includes an inflection line, the cover changing concavity across the inflection line as the cover converges to the upper opening.

4. The apparatus of claim 1, wherein the cover has a domed shape.

5. The apparatus of claim 1, wherein the cover has an S shaped cross section.

6. The apparatus of claim 1, wherein the planting column and the upper opening in the cover include a first pair of corresponding nesting elements and a second pair of corresponding nesting elements.

7. The apparatus of claim 1, further comprising a plurality of rollers, the base of the reservoir positioned on the plurality of rollers.

8. The apparatus of claim 1, wherein:

the planting column comprises at least a first module and a second module, each module including a sidewall, a hollow interior, at least one planting port defined in the sidewall for receiving a plant at least partially into the hollow interior, an open top end, a bottom wall, a plurality of drain holes defined in the bottom wall, and a module conduit extending from the bottom wall to the open top end;

the bottom wall of the first module is configured to releasably engage the open top end of the second module; and

the module conduit of the first module is configured to releasably engage the module conduit of the second module when the bottom wall of the first module is releasably engaged with the open top end of the second module.

9. The apparatus of claim 8, wherein the bottom wall of the first module and the open top end of the second module include corresponding angular stop elements, the angular stop elements preventing relative rotation between the first and second modules when the bottom wall of the first module is releasably engaged with the open top end of the second module.

10. The apparatus of claim 9, wherein the angular stop elements are aligned to the at least one planting port of each module such that the at least one planting port of the first module is vertically aligned with the at least one planting port of the second module when the bottom wall of the first module is releasably engaged with the open top end of the second module.

11. The apparatus of claim 8, wherein:

the bottom wall of each module includes a module support rod hole defined therethrough, each module support rod hole being vertically aligned when the bottom wall of the first module is engaged with the open top end of the second module;

a lower wall of the fluid distributor includes a fluid distributor support rod hole defined therethrough, the fluid distributor support rod hole being vertically aligned with each module support rod hole when the fluid distributor is engaged with the top of the planting column; and

the planting column further comprises a support rod extending through the module support rod hole of each module and the fluid distributor support rod hole to provide structural integrity to the planting column when the planting column is engaged with the cover of the reservoir, the fluid distributor is engaged with the top of the planting column.

12. The apparatus of claim 1, wherein the base of the reservoir has a sidewall that extends arcuately in a downward direction from the cover.

13. The apparatus of claim 1, wherein the fluid coupler includes a swivel bearing to allow the supply line to rotate with respect to the fluid coupler.

14. The apparatus of claim 1, wherein the cover converges upward to form an upward extension portion that defines the upper opening, the upward extension portion forming a vertical seat in which planting column can nest.

15. A hydroponic plant cultivation apparatus comprising:

a reservoir for holding fluid;

a plurality of rollers, the reservoir positioned on the plurality of rollers;

a plurality of planting modules stacked atop one another in an end to end configuration above the reservoir, each module including a sidewall, a hollow interior, at least one planting port defined in the sidewall for receiving a plant at least partially into the hollow interior, an open top end, a bottom wall configured to releasably engage the open top end, a plurality of drain holes defined in the bottom wall, at least one protrusion extending from the bottom wall directly below the at least one planting port, the at least one protrusion of each module above the lowermost module in the stack engaging the at least one planting port of an underlying adjacent module to prevent relative rotation between adjacent modules and vertically align the at least one planting port of each module of the plurality, and a module conduit extending from the bottom wall to the open top end, each module conduit in fluid communication with the module conduit of each adjacent module to form a planting column conduit in fluid communication with the reservoir; and

a fluid distributor positioned atop the plurality of planting modules, the fluid distributor in fluid communication with the planting column conduit;

wherein fluid is selectively circulated from the reservoir through the planting column conduit to the fluid distributor, where the fluid is redirected down the hollow interior of each planting module and back to the reservoir.

16. The apparatus of claim 15, further comprising an annular indention defined in the bottom of the reservoir, the plurality of rollers configured to be received by the annular indention.

17. A hydroponic plant cultivation apparatus comprising:

a reservoir for holding fluid, the reservoir having a base and a cover, the cover arching upward from the base, the base defining a first portion of the reservoir, and the cover defining a second portion of the reservoir;

an upper opening defined in the cover;

a plurality of planting modules stacked atop one another in an end to end configuration above the upper opening in the cover of the reservoir, each module including a sidewall, a hollow interior, at least one planting port defined in the sidewall for receiving a plant at least partially into the hollow interior, an open top end, a bottom wall configured to releasably engage the open top end, a plurality of drain holes defined in the bottom wall, a module support rod hole defined in the bottom wall, the module support rod hole of each module in vertical alignment with the module support rod hole of each other module of the plurality, and a module conduit extending from the bottom wall to the open top end, the module conduit of each module of the plurality in fluid communication with the module conduit of each adjacent module to form a planting column conduit in fluid communication with the reservoir;

a fluid distributor positioned atop the plurality of planting modules, the fluid distributor in fluid communication with the conduit, the fluid distributor including a lower wall and a fluid distributor support rod hole defined in the lower wall, the fluid distributor support rod hole in vertical alignment with the module support rod hole of each planting module of the plurality; and a support rod extending through the fluid distributor support rod hole and the module support rod hole of each planting module of the plurality;

wherein fluid is selectively circulated from the reservoir through the planting column conduit to the fluid distributor, where the fluid is redirected down the hollow interior of each planting module and back to the reservoir.

18. The apparatus of claim 17, further comprising a plurality of rollers, the base positioned on the plurality of rollers.

19. The apparatus of claim 17, wherein the cover further comprises a fluid coupler positioned in the upper opening and extending downward into the second portion of the reservoir but not beyond the second portion of the reservoir.

20. The apparatus of claim 17, further comprising at least one seed basket positioned in the at least one planting port.