CLAIMS

1. A system for growing a plant from seed to maturity, the system comprising:

a soil container containing soil, wherein the soil is filled to a level not more than 50% of a height of the soil container, wherein the soil container, at least above the level of the soil, is non-opaque;

a liquid container containing an aqueous liquid; and

a wicking string fluidly connecting the aqueous liquid in the liquid container to a topsoil layer of the soil in the soil container,

wherein the topsoil layer refers to the upper 5% of the soil in the soil container,

wherein the soil container, the liquid container and the wicking string together support growing of the plant from seed to maturity without transplanting, whereby the plant grows from a seed to a seedling and from the seedling to a mature plant in the soil container.

2. The system of claim 1, further comprising the seed, optionally wherein the seed is placed on or just below a top surface of the soil.

3. The system of claim 1 or 2, wherein the soil comprises the topsoil layer and a bottom soil layer, wherein a soil mixture of the topsoil layer and a soil mixture of the bottom soil layer are different, optionally wherein the soil mixture of the topsoil layer has a lower density than a soil mixture of the bottom soil layer, optionally wherein the soil mixture of the topsoil layer comprises peat moss.

4. The system of any one of the preceding claims, wherein the soil comprises a solid fertilizer, optionally wherein the aqueous liquid comprises a liquid fertilizer.

5. The system of any one of the preceding claims, wherein the wicking string extends from the aqueous liquid to a base of the soil container, through the base of the soil container to the soil, and through the soil from the base of the soil container to reach the topsoil layer of the soil or to reach a position where the seed is configured to be placed,

optionally wherein the wicking string is in contact with a base of the liquid container,

optionally wherein the wicking string comprises a material selected from the group consisting of nylon, cotton, felt, and combinations thereof.

6. The system of any one of the preceding claims, wherein the soil container,

(i) is stacked above the liquid container; and/or

(ii) further comprises a ventilation hole; and/or

(iii) further comprises a net lining placed between the base of the soil container and the soil; and/or

(iv) is entirely non-opaque.

7. The system of any one of the preceding claims, wherein the level of the soil is at least 25% and not exceeding 50% of the height of the soil container.

8. The system of any one of the preceding claims, further comprising a plurality of wicking strings and a plurality of soil containers, wherein each wicking string fluidly connects the aqueous liquid in the liquid container to a topsoil layer of each soil container to support growing of a plurality of plants from seed to maturity.

9. A method for growing a plant from seed to maturity with the system according to any one of claims 1 to 8, the method comprising the steps of:

- filling the soil container with the soil to the level not more than 50% of the height of the soil container;
- placing the seed on or in the topsoil layer of the soil container;
- filling the liquid container with the aqueous liquid;
- disposing the wicking string to fluidly connect the aqueous liquid in the liquid container with the topsoil layer of the soil in the soil container;
- germinating the seed in the soil container; and
- growing the plant to maturity in the soil container without transplanting.

10. The method of claim 9, further comprising

(i) moisturizing the seed, after it is placed into the soil container, optionally by using a sprayer; and/or

(ii) adding solid fertilizer to the soil; and/or

(iii) replenishing the aqueous liquid in the liquid container; and/or

(iv) topping up the soil in the soil container.

11. A system for growing a plant from seed to maturity, the system comprising:

a soil container containing soil, wherein the soil is filled to a level not more than 50% of a height of the soil container, wherein the soil container, at least above the level of the soil, is non-opaque;

a liquid container containing an aqueous liquid; and

a tube with a drip valve capable of fluidly connecting the aqueous liquid in the liquid container to a topsoil layer of the soil in the soil container,

wherein the topsoil layer refers to the upper 5% of the soil in the soil container,

wherein the soil container, the liquid container and the tube with the drip valve together support growing of the plant from seed to maturity without transplanting, whereby the plant grows from a seed to a seedling and from the seedling to a mature plant in the soil container.

12. A method for growing a plant from seed to maturity with the system according to claim 11, the method comprising the steps of:

- filling the soil container with the soil to the level not more than 50% of the height of the soil container;
- placing the seed on or in the topsoil layer of the soil container,

wherein the topsoil layer refers to the upper 5% of the soil in the soil container;

- filling the liquid container with the aqueous liquid;
- disposing the tube with the drip valve to fluidly connect the aqueous liquid in the liquid container with the topsoil layer of the soil in the soil container;
- germinating the seed in the soil container; and
- growing the plant to maturity in the soil container without transplanting.

13. A system for growing a plant from seed to maturity, the system comprising:

a soil container containing soil, wherein the soil is filled to a level not more than 50% of a height of the soil container, wherein the soil container, at least above the level of the soil, is non-opaque;

a tube with a spray valve and a first end and a second end, the first end of the tube capable of spraying an aqueous liquid to a topsoil layer of the soil in the soil container,

wherein the topsoil layer refers to the upper 5% of the soil in the soil container,

wherein the soil container and the tube with the spray valve together support growing of the plant from seed to maturity without transplanting, whereby the plant grows from a seed to a seedling and from the seedling to a mature plant in the soil container.

14. The system of claim 13, further comprising a liquid container containing the aqueous liquid and wherein the second end of the tube is connected to the liquid container, optionally wherein the spray valve is operated through a timer.

15. A method for growing a plant from seed to maturity with the system according to claim 13 or 14, the method comprising the steps of:

- filling the soil container with the soil to the level not more than 50% of the height of the soil container;
- placing the seed on or in the topsoil layer of the soil container;
- disposing the tube with the spray valve to spray the aqueous liquid from the first end to the topsoil layer of the soil in the soil container;
- germinating the seed in the soil container; and
- growing the plant to maturity in the soil container without transplanting.