

Table S1. Specific production techniques used in each plant species and type of production cycle.

Title 1	Conventional production (C)				Production with biodisinfection (A)			
	Long-cycle tomato	Short-cycle tomato	Short-cycle pepper	Water-melon	Long-cycle to-mato	Short-cycle tomato	Short-cycle pepper	Watermelon
Seedling raising	In seedbed for 33 days in trays of 150 cells	In seedbed for 33 days in trays of 150 cells	In seedbed for 40 days in trays of 96 cells	In seedbed for 40 days in trays of 40 cells	In seedbed for 33 days in trays of 150 cells	In seedbed for 33 days in trays of 150 cells	In seedbed for 40 days in trays of 96 cells	In seedbed for 40 days in trays of 40 cells
Planting density	16,000 plants/ha	16,000 plants/ha	20,000 plants/ha	2,500 plants/ha	16,000 plants/ha	16,000 plants/ha	20,000 plants/ha	2,500 plants/ha
Vegetal material	Adapted to the conditions of the farm without grafting	Adapted to the conditions of the farm without grafting	Adapted to the conditions of the farm without grafting	Adapted to the conditions of the farm, grafted on a rootstock of <i>Cucurbita maxima</i> x <i>Cucurbita moschata</i>	Adapted to the conditions of the farm without grafting	Adapted to the conditions of the farm without grafting	Adaptado a las condiciones de la explotación sin injertar	Adapted to the conditions of the farm, grafted on a rootstock of <i>Cucurbita maxima</i> x <i>Cucurbita moschata</i>
Labor	Manual for each cultivation task							
Pollination	Forced with bumblebees (5 hives/ha). Renewal every 2 months	Forced with bumblebees (5 hives/ha). Renewal every 2 months	With air	Forced with bees (4 hives/ha)	Forced with bumblebees (5 hives/ha). Renewal every 2 months	Forced with bumblebees (5 hives/ha). Renewal every 2 months	With air	Forced with bees (4 hives/ha)
Pruning	Single-arm, pinching the secondary shoots. Clamping of	Single-arm, pinching the secondary shoots. Clamping of	Cleaning of internal sprouting	-	Single-arm, pinching the secondary	Single-arm, pinching the secondary shoots. Clamping of	Cleaning of internal sprouting	-

Greenhouse	Greenhouse of the "raspa y amagado" type, with a height of 6.0, 5.0, and 4.7 m at the ridge, under the canal, and in the trellis, respectively	Greenhouse of the "raspa y amagado" type, with a height of 4.5, 3.5, and 3.0 at the ridge, under the canal and in the trellis, respectively	Greenhouse of the "raspa y amagado" type, with a height of 6.0, 5.0, and 4.7 m at the ridge, under the canal, and in the trellis, respectively
Irrigation system	High-frequency irrigation system composed of an irrigation programmer, which incorporates five tanks for the preparation of nutrient solutions applied to the different crops		