

HYDROPONICS IN THE BOX

List of materials and costs

Conversion rate: 1USD = 21,5CZK (Jan2019)

RESERVOIR

N.O.	Name	Material specification	Unit	Unit cost (CZK)	Quantity	Total cost (CZK)	Total cost (USD)
1	Plywood board	96x20x2cm (black finish)	each	173	2	346	16
2	Plywood board	150x20x2cm (black finish)	each	346	2	692	32
3	Screws	4x40	each	2	12	24	1
4	Plastic board	150x100x0,5cm	each	896	1	896	42
5	Screws	3x40	each	2	46	92	4
6	Plastic board	146x96x0,5cm	each	896	1	896	42
7	Plastic board	146x18x0,5cm	each	224	2	448	21
8	Plastic board	95x18x0,5cm	each	224	2	448	21
9	Glue for plastics	0,5l	each	120	1	120	6
10	Plumbers putty	280ml	each	144	0,4	57,6	3
Total						4020	187

MIDDLE FLOOR

N.O.	Name	Material specification	Unit	Unit cost (CZK)	Quantity	Total cost (CZK)	Total cost (USD)
1	Plastic board	95x72,5x0,5	each	448	2	896	42
2	Plastic anchors for styrofoam heat insulation	Length 6cm	each	10	21	210	10
3	Plumbers putty		each	144	0,3	43,2	2
Total						1149	53

TOP BOARD

N.O.	Name	Material specification	Unit	Unit cost (CZK)	Quantity	Total cost (CZK)	Total cost (USD)
1	Plastic board	75x100x0,5	each	448	2	896	42
2	Plastic board	72,5x95x0,5	each	448	2	896	42
3	Plastic anchors for styrofoam heat insulation	Length 12,5cm	each	10	10	100	5
4	Plumbers putty		each	144	0,15	22	1
Total						1914	89

IRRIGATION

N.O.	Name	Material specification	Unit	Unit cost (CZK)	Quantity	Total cost (CZK)	Total cost (USD)
1	Plastic pipe holder	Diameter 1,5cm	each	5,5	14	77	4
2	Plastic pipe	Diameter 1,5cm	m	8,5	6	51	2
3	Plastic pipe L connection	Diameter 1,5cm	each	15	8	120	6
4	Plastic pipe T connection	Diameter 1,5cm	each	39	2	78	4
5	Plastic hose	Diameter 1,5cm	m	35	1	35	2
6	Plastic hose L connections	Diameter 1,5cm	each	39	2	78	4
7	Plastic flow regulator	4L/h	each	12	22	264	12
8	Plastic capillary pipes		m	10	6,3	63	3
9	Plastic dripping needle		each	5	21	105	5
10	Super glue		each	90	1	90	4
11	Submersible water pump	750l/h	each	399	1	399	19
12	Lever cable connector		each	20	2	40	2
13	Analog timer		each	100	1	100	5
Total						1500	70

LIGHTING SYSTEM

N.O.	Name	Material specification	Unit	Unit cost (CZK)	Quantity	Total cost (CZK)	Total cost (USD)
1	Wooden prism	150x2x2cm	each	48	17	816	38
2	Wooden prism	99x5x2cm	each	62	3	186	9
3	Nails	3cm	each	1	51	51	2
4	Steel hooks with screw		each	2	4	8	1
5	Full spectrum LED lights	SANlight M30 30W	each	3599	4	14396	670
6	Analog timer		each	100	1	100	5
Total						15557	724

TOTAL

CZK
24139

USD
1123