

# Straight Line Cold Frame Construction Cost

## Material List and Estimated Cost (6/2007)

17 ft. x 32 ft. (544 ft<sup>2</sup>)

<i>Item</i>	<i>Cost</i>	<i>Quantity</i>	<i>Total Cost</i>
1. Plastic PVC Pipes 2 in. x 20 ft. / Schedule 40	20.00	12	\$ 240.00
2. Plastic PVC Pipe 25.00 ¾ in. x 10 ft. / Schedule 40	2.50	10	
3. Rebar ½ in. x 24 ins.	1.50	34	18 St. 8 J-Hooks 8 Tie Downs 48.00
4. Plastic 2 in. PVC 45° Elbows	1.00	27	27.00
5. 2 Hole Conduit Straps ¾ Pipe Straps	0.25	27	6.75
6. Glue / Primer Set 16 oz.	6.00	1	6.00
7. Screws (Drywall Screws) 1 in. Box 150 Screws (1 lb.) 2 in. Box 150 Screws (1 lb.) 4 in. Box 150 Screws (1 lb.)	5.00 5.00 7.00	2 1 1	10.00 5.00 7.00
8. Wood Boards 1 in. x 4 in. x 10 ft.	4.00	7	28.00
9. Plastic Cover (6 mil) 28 ft. x 100 ft.	240.00	½	240.00
10. Ply Wood ½ in. x 4 ft. x 8 ft.	17.00	2	34.00
11. Wood Studs 2 in. x 4in. x 10ft.	4.00	12	48.00
12. Hinges	2.00	4	8.00
13. Latch	5.00	2	10.00
14. Metal Trim ¼ in. x 1in. x 10 ft.	1.00	20	20.00
15. Poly Rope ¼ inch x100 ft.	7.00	1	7.00
<b>Sub Total</b>			<b>\$ 769.75</b>

## ***Straight Line Construction Design***

### ***For Roll Upsides***

<b>16.</b>	<b>Plastic PVC Pipes 2 in. x 20 ft. / Schedule 40</b>	<b>20.00</b>	<b>2</b>	<b>\$ 40.00</b>
<b>17...</b>	<b>Plastic 2 in. PVC 90° Elbows</b>	<b>1.50</b>	<b>4</b>	<b>6.00</b>
<b>18.</b>	<b>Velcro ½ x 5 ft.</b>	<b>7.00</b>	<b>2</b>	<b>14.00</b>
<b>19.</b>	<b>Metal Trim</b>	<b>1.00</b>	<b>6</b>	<b>6.00</b>
<b>20.</b>	<b>Wood Boards ½ in. x 4 in. x 10 ft.</b>	<b>4.00</b>	<b>4</b>	<b>16.00</b>
<b>21.</b>	<b>Rebar ¾ in. x 18 ins.</b>	<b>1.50</b>	<b>3 C-Hooks</b>	<b>4.50</b>
<b><i>Sub Total</i></b>				<b><i>\$ 86.50</i></b>

### ***For Irrigation System***

<b>22.</b>	<b>Plastic Tee Joints ¾ Slip Tee / Schedule 40</b>	<b>0.40</b>	<b>6</b>	<b>2.40</b>
<b>23.</b>	<b>Male Reducer Bushing ¾ - ½ (½ Side Threaded)</b>	<b>0.45</b>	<b>6</b>	<b>2.70</b>
<b>24.</b>	<b>Plastic PVC Pipe ¾ in. x 10 ft. / Schedule 40</b>	<b>2.50</b>	<b>1</b>	<b>2.50</b>
<b>25.</b>	<b>PVC Spray Nozzles 360° ½ inch</b>	<b>1.00</b>	<b>3</b>	<b>3.00</b>
<b>26.</b>	<b>PVC Spray Nozzles 180°</b>	<b>1.00</b>	<b>2</b>	<b>2.00</b>
<b>27.</b>	<b>PVC Ball Valve ¾ inch</b>	<b>3.00</b>	<b>1</b>	<b>3.00</b>
<b>28.</b>	<b>PVC Hose Connector ¾ inch</b>	<b>1.50</b>	<b>1</b>	<b>1.50</b>
<b>29.</b>	<b>End Cap ¾ inch</b>	<b>0.30</b>	<b>1</b>	<b>0.30</b>
<b>30.</b>	<b>Plastic ¾ in. 90° Elbow</b>	<b>0.30</b>	<b>1</b>	<b>0.30</b>
<b><i>Sub Total</i></b>				<b><i>\$ 17.70</i></b>

**Hoop House Construction**  
**Material List and Estimated Cost (6/2007)**  
*12 ft. x 40 ft. (480 ft<sup>2</sup>)*

<b>Item</b>	<b>Cost</b>	<b>Quantity</b>	<b>Total Cost</b>
<b>1. Plastic PVC Pipes 2 in. x 20 ft.</b>	<b>20.00</b>	<b>13</b>	<b>\$ 260.00</b>
<b>2. Plastic PVC Pipe ¾ in. x 10 ft.</b>	<b>2.50</b>	<b>8</b>	<b>20.00</b>
<b>3. 2 Hole Conduit Straps</b>	<b>0.25</b>	<b>39</b>	<b>9.75</b>
<b>4. Rebar ½ in. x 24 in.</b>	<b>1.50</b>	<b>40</b>	<b>60.00</b>
<b>5. Glue / Primer Set 16 oz.</b>	<b>6.00</b>	<b>1</b>	<b>6.00</b>
<b>6. Screws (Drywall Screws)</b>			
<b>1 in. box 150 Screws</b>	<b>5.00</b>	<b>1</b>	<b>5.00</b>
<b>2 in. Box 150 Screws</b>	<b>5.00</b>	<b>1</b>	<b>5.00</b>
<b>4in. Box 150 Screws</b>	<b>7.00</b>	<b>1</b>	<b>7.00</b>
<b>7. Wood Boards 1 in. x 4 in. x 10 ft.</b>	<b>4.00</b>	<b>8</b>	<b>32.00</b>
<b>8. Plastic Cover (6 mil) 22 ft. x 100 ft.</b>	<b>200.00</b>	<b>½</b>	<b>200.00</b>
<b>9. Ply Wood ½ in. x 4 ft. x 8 ft.</b>	<b>17.00</b>	<b>2</b>	<b>34.00</b>
<b>10. Wood Studs 2 in. x 4in. x 8ft.</b>	<b>4.00</b>	<b>8</b>	<b>32.00</b>
<b>11. Hinges</b>	<b>2.00</b>	<b>4</b>	<b>8.00</b>
<b>12. Latch</b>	<b>2.00</b>	<b>2</b>	<b>4.00</b>
<b>13. Metal Trim ¼ in. x 1in. x 10 ft.</b>	<b>1.00</b>	<b>16</b>	<b>16.00</b>
<b>14. Poly Rope ¼ inch x100 ft.</b>	<b>7.00</b>	<b>1</b>	<b>7.00</b>

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**Total Cost**

**\$ 705.75**

## *Hoop House Design*

### *For Roll Upsides*

15.	Plastic PVC Pipes 2 in. x 20 ft. / Schedule 40	20.00	2	\$ 40.00
16.	Plastic 2 in. PVC 90° Elbows	1.50	4	6.00
17.	Velcro ½ x 5 ft.	7.00	2	14.00
18.	Metal Trim	1.00	8	8.00
19.	Wood Boards ½ in. x 4 in. x 10 ft.	4.00	4	16.00
20.	Rebar 3/8 inch x 18 inches	1.50	3 C-Hooks	4.50
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### *For Irrigation System*

21.	Plastic PVC Pipe ¾ in. x 10 ft. / Schedule 40	2.50	1	2.50
22.	Plastic Tee Joints ¾ Slip Tee / Schedule 40	0.40	9	3.60
23.	Male Reducer Bushing ¾ - ½ (½ Side Threaded)	0.45	9	4.05
24.	Pipe Nipple 6 inch PVC	0.40	9	3.60
25.	PVC Spray Nozzles 360° ½ inch	1.00	7	7.00
26.	PVC Spray Nozzles 180°	1.00	2	2.00
27.	PVC Ball Valve ¾ inch	3.00	1	3.00
28.	PVC Hose Connector ¾ inch	1.50	1	1.50
29.	End Cap ¾ inch	0.30	1	0.30

<b>30.</b>	<b>Plastic <math>\frac{3}{4}</math> in. 90° Elbow</b>	<b>0.30</b>	<b>1</b>	<b>0.30</b>
<b><i>Sub Total</i></b>				<b><i>\$27.85</i></b>

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