



## **Step 2: Determine Required Storage Capacity**

4. What is the flow rate (per row)?

5. What is the flow rate for the entire garden in gallons per minute (GPM)? In gallons per hour (GPH)?

6. What is the minimum water storage tank height needed to supply the in-let pressure requirements for the system?

## **Step 3: Determining Pumping Capacity**

7. What is the elevation to be pumped?

8. What is the pumping capacity of the windmill in gallons per hour?

Elevation Feet - Meters	LIGHT WINDS		FAIR WINDS		STRONG WINDS	
	Cylinder Diameter Inches - MM	Water Pumped per Hour Gallons - Cu M	Cylinder Diameter Inches - MM	Water Pumped per Hour Gallons - Cu M	Cylinder Diameter Inches - MM	Water Pumped per Hour Gallons - Cu M
10 - 3	16 - 400	7470 - 28.3	18 - 460	13860 - 52.5	18 - 460	18900 - 71.6
16 - 5	14 - 350	5700 - 21.6	16 - 400	10960 - 41.5	16 - 400	14915 - 56.5
23 - 7	12 - 300	4200 - 15.9	14 - 350	8370 - 31.7	14 - 350	11432 - 43.3
33 - 10	10 - 250	2900 - 11	12 - 300	6150 - 23.3	14 - 350	11432 - 43.3
50 - 15	8 - 200	1875 - 7.1	10 - 250	4277 - 16.2	12 - 300	8236 - 31.8
66 - 20	7 - 180	1505 - 5.7	8 - 200	2745 - 10.4	10 - 250	5834 - 22.1
100 - 30	6 - 150	1055 - 4	7 - 180	2218 - 8.4	8 - 200	3722 - 14.1
130 - 40	5 - 130	790 - 3	6 - 150	1530 - 5.8	7 - 180	3088 - 11.5
165 - 50	4 3/4 - 120	660 - 2.5	5 - 130	1162 - 4.4	6 - 150	2112 - 8