Guidance on Spacing Flower Turbines

There are 3 components to placing the turbines for the cluster effect. One should use the ideal configuration but if there is a space limit, one has some freedom to vary the distances and angles and still get a good result.

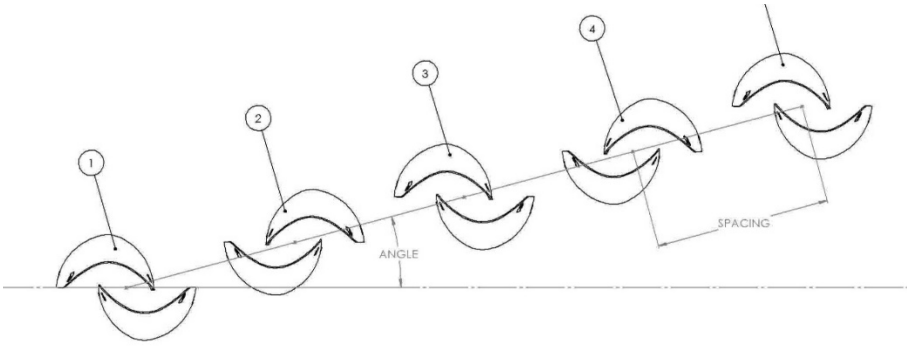
1. **Rotation**. They should be alternately clockwise and counter-clockwise.
2. **Spacing**

For spacing, one starts with the diameter in the horizontal plane found in the spec sheet.

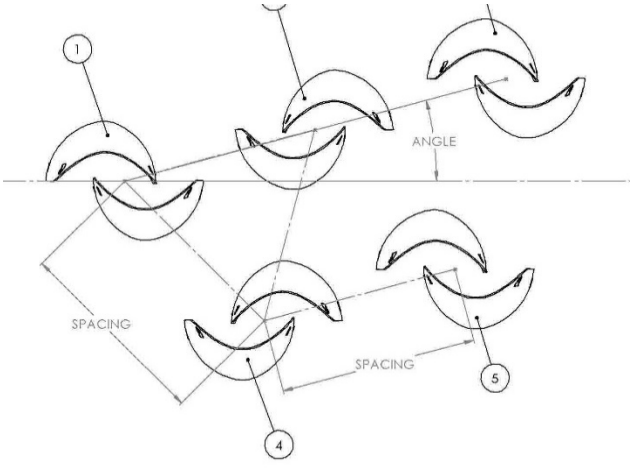
The ideal spacing is found by multiplying the diameter by 1.25. That is the distance between the center of one shaft to the center of the next shaft. It also works well at a multiplication factor of 1.1 to 1.3.

3. **Angle** to the prevailing wind: The ideal is 15 degrees. This also works well from 0 to 30 degrees.

Here is how a group of 5 small ones would look when the wind comes from directly above or below:




The same distances and angles would work in an arrangement of two rows. This is an alternative that also works well:




In making a project on the ground, one should allow space for an outer fence.