

Farm Pond Aeration

Common issues with **farm ponds** and water in general is that it's hard to keep them clean . As ponds age they can stagnate and will show warning signs such as pond algae and weeds, smelling like rotten eggs, sudden fish kills, a build up of sediment and sludge on the bottom, and become murky looking. Farmers are particularly concerned with blue green algae forming in their ponds as should all of us. Blue Green algae thrives in stagnated ponds. This form of algae is toxic and can kill cattle and humans for that matter if ingested.

Pond stagnation can be even more challenging in the hot summer months or very cold winter months when the pond freezes over. Both of these times of year oxygen is at its lowest levels in farm ponds and if the pond is being used for irrigation or cattle watering then pond aeration is considered critical.

Remember that adding aeration to a farm pond is the most important method of keep the pond water clean and is the most effective way to control pond algae. Outdoor Water Solutions [Windmill aerators](#) come with air diffusers that sit at the bottom of the ponds – commonly referred to as bottom up aeration. This is about 8-10 Times more effective than by simply blowing air into the farm pond. Place the air diffusers in the deepest areas of the pond. They will add much needed oxygen to the bottom of the pond which will begin increasing the amount of good aerobic bacteria. This will begin to break down the excess nitrogen and phosphorous in the water thereby eliminating the excess algae.

This will also help circulate the farm pond water to reduce the risk of west Nile virus for mosquitoes do not like laying their larvae in clean circulating ponds.