Layfield is a leading producer of floating cover technology and geomembrane containment systems. As the leader in floating cover technology, we are pleased to introduce a new line of durable, lightweight floating cover systems designed for evaporation control, shade control, and odor control applications. Our new floating cover design incorporates a special new floatation system where the floats are welded directly to the bottom of the cover material providing the required buoyancy and tensioning in the cover system. The cover system is designed to be prefabricated into larger panels providing fast and economical installation. As an example, Layfield has experience floating in prefabricated covers as large as 100,000 ft² (10,000 m²) on a full irrigation pond in a single day. Layfield’s prefabricated evaporation control covers are normally produced from our Enviro Liner (EL 6000 or EL 8000) series. These two materials offer excellent flexibility, durability and long term UV resistance.
Evaporation control covers are normally used in arid climates where water loss is a significant expense. This typically occurs in climates with seasonal rainfall, or in very arid climates. An evaporation control floating cover stops evaporation by preventing the dry ambient air from contacting the water in the pond. Evaporation control covers are particularly effective for irrigation ponds in desert climates; especially when the water used for irrigation has to be transported from another region. Evaporation control covers also help to prevent the concentration of pond liquids. This helps to control mineral accumulation in irrigation water and protects water used to water livestock.

Another use for an evaporation control cover is to prevent the growth of algae. Layfield’s evaporation control covers are opaque to sunlight. This inhibits the growth of algae and other water plants. Using an evaporation control cover will not only retain precious water volumes but will also help prevent the contamination of water through the growth of plants and algae.

Section Through Cover with Defined Sump

For more information on Evaporation Control Covers, please contact Layfield