



ALUMIGATOR® INDUSTRY'S ONLY ALL-ALUMINUM CENTER PIVOT IRRIGATION SYSTEM.

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It is a low maintenance and corrosion resistant system for harsh, salty environments, with the structural integrity maintained for many years.

The Alumigator® is engineered for lightweight durability, optimizing irrigation for delicate crops, reducing soil compaction, and wheel tracks. It is a preferred choice for operations along the coastline, as well as sod farms.

Utilizing an aluminum irrigation system offers enhanced corrosion resistance, and contributes to overall performance reliability. The system withstands tough conditions with lower maintenance needs. These factors are beneficial to the grower as they encounter other challenges of water resource usage and operational costs.

Strength Without the Weight

The Alumigator is an innovative irrigation system made with high-quality, marine-grade aluminum.

It weighs less than conventional galvanized steel systems and tough enough to tackle challenging terrains with its strong design. Greater reliability and reduced breakdowns are achieved when a system is less susceptible to becoming immobilized in difficult soil types.

For lasting performance, having a strong stance is beneficial. The 16-foot tower base keeps the irrigation system running smoothly while standing up to the demands of the field. It is the widest tower base in the industry, resulting in a stable foundation for system balance and durability.

One of the options available for the Alumigator is the turf tire. It has a grip that is gentle on the field and provides a wide footprint to reduce soil compaction, while maintaining excellent traction. Working together with a durable, lightweight irrigation system, the 14.9" x 24" turf tire helps to achieve an even greater performance in the field without disturbing valuable crops. One such crop is sod.

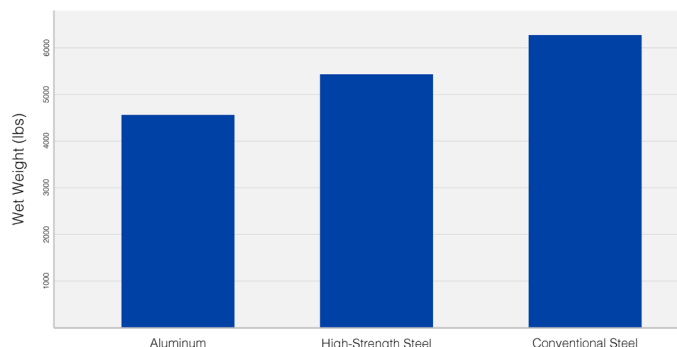
Sod farming is a time-sensitive and precise agricultural operation, depending heavily on proper irrigation. With center pivot irrigation systems, sod growers are able to deliver water with greater efficiency, consistency and precision. All these factors ensure high-quality sod grass with a strong root development.

The Alumigator irrigation system is preferred by sod farms due to being lightweight and durable. Growing grass is a delicate business, as it is a living crop when harvested. The fresh turf is used for lawns, sports fields, and landscaping projects. It is continually watered, fertilized, and harvested to ensure freshness for the custom orders.

Some grass varieties can take up to 18 months from seed to maturity. With the Alumigator, there is a consistent water

supply with less soil compaction, leading to a healthier crop produced.

With an established sod lawn, weeds are prevented and erosion reduced. It acts as a natural air filter, helping cool the environment, and purifying water. The Alumigator provides uniform water application, which helps to ensure water reaches the soil and minimizes evaporation. Together, they aid in the efficient utilization of water.



Built to Withstand Corrosion

While Alumigators are the prime choice for sod growers, it is also beneficial along the coastlines of the United States, where salty environments wreak havoc on materials. Saltwater accelerates the corrosion process of most metals. However, the Alumigator is an exception.

The Alumigator is made of high-quality, marine-grade aluminum which is engineered specifically for corrosion resistance. It is lightweight, strong, and durable. Its durable construction ensures long-term performance, making it a smart choice for efficient water delivery in the field.

The Pacific coastline grows a wide variety of crops, including fruits, nuts, vegetables and specialty crops such as potatoes, avocados, and grapes. Growers face continuous challenges with water scarcity, extreme heat, and soil erosion due to saltwater degrading the soil.

Crops grown along the Atlantic coast of the U.S. are more staple cash crops such as corn, soybeans, and peanuts, in addition to assorted vegetables and cotton. These crops face continuous challenges from rising sea levels and increased saltwater intrusion, which can poison or dehydrate the crops.

With the Alumigator irrigation system, both coastline crops can benefit. It will help manage water to ensure more consistent yields, while protecting against weather extremes. The lightweight design makes it a good choice for fields with more delicate crops or soils by optimizing the reduction of wheel ruts.

Not only is the Alumigator beneficial to crops, it can also be used to distribute wastewater from land treatments,



livestock, industrial or municipal applications. With its corrosive resistant material, it withstands the harsh elements while turning processed water into an asset.

Wastewater usage is advantageous as it reduces the demand for fresh water. It contains valuable resources and nutrients beneficial for agricultural use, with some sources able to support wetland habitats, and maintain environmental flows in rivers and streams. Reusing water and generating energy can lower costs for both municipalities and industries.

Uniform Water Application

Fundamental to successful center pivot irrigation is uniform water application. When water is distributed evenly across a field, crops receive consistent moisture levels that support optimal growth and development. Research demonstrates that maintaining high uniformity is essential for maximizing both productivity and resource efficiency.

A well-maintained center pivot is designed to operate with

a uniform water application of over 90%. For optimal crop production, it's crucial that a center pivot distributes water uniformly across the field. (University of Nebraska-Lincoln, 2023).

Conclusion

The Alumigator is one of a kind for center pivot systems. With its corrosion-resistant pipe and lightweight durability, it is the solution for growers located in challenging areas. No matter the crop, the Alumigator will provide consistent coverage for crops needing a little more TLC, while reducing wheel tracks.

Don't let Mother Nature throw a curve ball in the operations. The Alumigator is built for long-term performance.

References:

University of Nebraska-Lincoln Institute of Agriculture and Natural Resources. (2023, November 30). The Importance of Maintaining High Uniformity of Water Application of Center Pivot. <https://cropwatch.unl.edu/2023/importance-maintaining-high-uniformity-water-application-center-pivot/>



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