

AMERICAN IRRIGATION

ELKHART | GARDEN CITY | SCOTT CITY | ULYSSES | WALSH



Rod Stillwell
Irrigation Manager, GC

MAXIMIZE WATER... AT AN AFFORDABLE PRICE WITH BUBBLERS

The team at American Irrigation is very committed to prolonging the future of the Ogallala Aquifer that supplies water to Southwest Kansas and several other states. We are working with Dwane Roth, the Garden City Company and others to test different economical water application methods. Our goal is to identify the most effective products available that maximize water usage without compromising yields at an affordable price. This is an ongoing program that will continue into the coming years with diverse technologies being tested on more systems. We are testing several available products on the same pivot using different spans for different options so that we have the same soil types, crop variety, water quality, fertilizer and chemicals, GPA applied and a more equal growing environment.



Among the technologies we are testing are two types of Bubbler nozzles both manufactured by Senninger Irrigation, Inc. One product is the LDN UP3 Bubbler pad that deposits the water directly below the nozzle between each row of corn. We have these at 30" spacing and 12" above the ground.

The other product is the LDN UP3 Shroud that makes a wider bubble, we spaced these at 60" with an 18" ground clearance. Both Bubblers place the water gently to the soil to minimize evaporation and wind-drift loss. One advantage to Bubblers vs standard spray nozzles is that they do not splash the water off of the crops leaves and stalks turning it into small droplets making it susceptible to wind-drift and evaporation losses. They also both have a spray pad that can easily be turned over for germination purposes. Another advantage is keeping the wheel tracks dry, with Bubblers there are virtually no wheel tracks in most cases. This provides less wear and tear on irrigation and farm equipment. Other advantages include, Bubblers operate at low pressures providing energy savings to the grower, Bubblers are low cost and low maintenance compared to some other options. Other technology we have implemented into the program is the FieldNET Pivot Control by Lindsay Corp., the Pivot Control is a remote irrigation management tool that gives the grower the

ability to control an irrigation system from a smart phone, desktop, laptop or tablet. It also delivers real time information and enhanced management tools. Pivot Control also provides up-to-the-minute alerts via text message or email to notify a grower immediately if there are any performance issues. We also installed a Growsmart magnetic flow meter by Lindsay Corp. that connects to the Pivot Control providing current flow rate and water usage. We have also now installed a weather station on Dwane Roth's farm that sends weather information directly to the FieldNET network so we can collect weather data in the upcoming growing season.

Moisture probes are installed for each different type of product being tested so that soil moisture can be monitored and recorded throughout the growing season.

We are working on more products and different application methods for testing in the upcoming growing season and will be sharing information and data as it becomes available. Please don't hesitate to stop by or give us a call if you have questions about these or the many other products and services that we have to offer. Thank you for your continued business and we hope you a great and hopefully wet winter.

AMERICAN IRRIGATION

OFF-SEASON MAINTENANCE

10% OFF SEASON PARTS & LABOR Discount!
Hurry, limited time offer!

SCHEDULE TODAY!

No Time To Do Your Own Maintenance?

Like any other piece of valuable equipment in your operation, annual maintenance is required to keep your pivots operating properly from year to year. The new American Irrigation Off-Season Maintenance Program is a valuable option that reduces downtime during irrigation season and can prevent costly emergency repairs. Zimmatic dealers are trained to service any brand of pivot using Genuine Lindsay Parts for necessary repairs or replacements. Leave it to American Irrigation! What better time to take advantage of this offer than today?

...It's a team effort.

