If you have an agricultural irrigation permit or a Letter of Concurrence (LOC) from the Georgia Department of Natural Resources’ Environmental Protection Division (GAEPD), the Georgia Soil and Water Conservation Commission can help you with your agricultural water meter. We are a state agency, and our services are provided at no cost to the farmer.

Before You Install A Meter
Call us and we can provide you with guidelines for proper installation. A meter installed incorrectly can be expensive to fix, but we can help you with no-cost advice to ensure that your meter is installed correctly the first time.

After A Meter Is Installed
GSWCC technicians are available to repair broken McCrometer meters at no charge to you. If your broken meter needs to be replaced, we can replace it with a McCrometer flow meter.

If you are moving your system or planning to move to a new pumping location, contact us so we can update our records. We can assist in moving the meter. Remember, your meter and permit belong to that specific site. If you sell the land serviced by that permitted irrigation system, the meter stays at the permitted pumping site.

Using the Information Obtained from a Meter
If you have questions about reading the water-use recorded by each meter, we can help.

Mobile Irrigation Lab
GSWCC technicians can help you improve the efficiency of your agricultural irrigation system by providing a free uniformity test of your center pivot irrigation system.
Use Your Water Meter as a Management Tool

Your irrigation water meter gives you the information needed to calculate the net application and flow rate for your field.

By recording the beginning reading and end reading on your meter, you can determine the gallons of water applied by your irrigation system. If you time the flow meter, you can also calculate the gallons per minute being produced by your system.

For assistance, or if you have questions about the efficiency of your irrigation system, you can contact your local GSWCC office.

---

Georgia Soil & Water Conservation Commission

Metrology Program

Calculating Net Application & Flow Rate

---

How do you know if the amount of water you irrigate is sufficient for your crop's water needs?

**Water Meter Calculations in Gallons**

End Reading - Beginning Reading = Gallons Applied

Gallons Applied /27 = Acre-Inches (AI)

Gross Acre-Inches Applied/Acres Irrigated = Net Application

**Example:**

<table>
<thead>
<tr>
<th>Gallons Applied</th>
<th>Acre-Inches Applied</th>
<th>Net Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>82,545,900 gal</td>
<td>80,589,100 gal</td>
<td>1,955,900 gal</td>
</tr>
<tr>
<td>1,955,900 gal/27</td>
<td>72.03 AI</td>
<td>0.06 gross inches applied</td>
</tr>
<tr>
<td>0.96 gross inches applied x 0.86 (85% efficiency)</td>
<td>0.82 inches applied</td>
<td></td>
</tr>
</tbody>
</table>

**Typical System Efficiency is 80-90%**

1 inch of water applied over 1 acre = 1 Acre inch (AI)

1 acre inch = 27,154 gallons

---

Find out more program information at [www.gaswcc.georgia.gov](http://www.gaswcc.georgia.gov)