## **Meter Data Calculation Examples**

Crop Year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **FLOW METER**

Latitude: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Longitude: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: please enter coordinates in decimal degrees and provide six places. Online converter available at: <http://www.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html>.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Meter #  (serial number) | Begin Register Reading | End Register Reading | Difference  (End minus Begin) | Meter Multiplier 1  x 100 or x 1,000 |
|  |  |  |  |  |
|  |  |  |  |

Total Gallons = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2

  (if meter readings are in acre-feet complete following conversion)

  Total Acre Feet (times) 325,851 = Total Gallons

  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \* 325,851 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **CROP & IRRIGATED ACREAGE** 4

|  |  |
| --- | --- |
| Crop | Acreage |
|  |  |
|  |  |
|  |  |
|  |  |

Total Crop Acreage = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_3

C.   **CALCULATE INCHES PER ACRE**

Total Gallons divided by 27,154 = Acre Inches

\_\_\_\_\_\_\_\_\_\_\_ ÷ 27,154 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Acre Inches divided by Total Crop Acreage = Inches per Acre

\_\_\_\_\_\_\_\_\_\_\_ ÷ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Some irrigation flow meters (McCrometer for example) have either “00” or “000” just to the right of the readout.

2 If more than one meter is used (for example, a system utilizing a meter on each of three irrigation wells -as opposed to- a single meter on a center pivot drawing from three wells) then add together all of the “Total Gallons” calculation to get a “grand total” that will be used for calculating inches per acre.

3 Only the crop/acreage irrigated through this meter or system.