# Center Pivot Evaluation Procedure

#### Materials:

Long Tape

Catchments

Stopwatch (or smart phone)

#### Procedure:

* 1. If possible test with no wind.
  2. Layout catchments in a radius next to the pivot line. Allow enough space for the pivot to fill before water it reaches the catchments. Begin placing catchments at about 40 feet from the pivot. This offset should be a multiple of your catchment spacing. Space catchments 15 to 30 feet apart. Adjust catchments if necessary to avoid the wheel track.
  3. Locate the catchments (by number on your sketch).
  4. Run the pivot at the normal speed over the catchments.
  5. Record the pressure at the inlet.
  6. Read the catchments; be sure to record in order.
  7. Analyze the data using the online tool.

## Field Data:

|  |  |
| --- | --- |
| Name: |  |
| Site: |  |
| Date: |  |
| Time of Test (ex. 2:00 PM): |  |
| Elapsed Time (minutes) |  |
| Catchment Spacing (feet): |  |
| Distance to first catchment (feet):  Must be multiple of catchment spacing. |  |
| Speed (%) |  |
| Span Length  (feet): |  |
| Catchment Opening Area (sq. in.) |  |
| Volume Units: | ❑Milliliters ❑Ounces |
| Sprinkler Make/Model |  |
| Nozzle Size or range of sizes. |  |
| Pressure Regulators | ❑No ❑Yes (PSI: ) |
| Pressure at the pivot (psi) |  |

### Field Notes:

(Include such information as drop height, boom configuration, wind conditions, etc.)

## System Diagram (map)

Sketch the wheel line and note where samples were taken.

A grid of graph paper

Description automatically generated

## Data:

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| # | Location (row/Position) | Collection | Flow (GPM) |  | # | Location (Row/Position | Collection | Flow (GPM) |
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