H2 XERO LANDSCAPE:

&[Date]
&[Time]

Rachio Non- Advanced Settings

Zone Attribute			Notes
Zone Type of plants grass, vegs, xeriscape etc.	Most plants have typical water needs.	Your Horticulturist-Designer will know the exceptions.	
Spray Head or Drip Line	Type/method of irrigation	Spray type, or Drip type	
Soil Type/Texture- not pH	Test your soil	Soil texture is *a major factor* in how fast water gets to the plant roots. Sand fastest & clay slowest	
Exposure- Sun Shade etc.	Full sun+6-8 hrs., Part sun/Some shade= 4-6 hours of sun, Lots of Shade/ filtered through leaves= 2-4 hrs. of sun, Mostly shad=under house eaves, on North side	More sun increases the watering frequency Less sun decreases the watering frequency	
Slope	Flat= water stays there, Slight= water seeps down hill, Moderate= water flows down hill, Steep= you can not walk on it without falling.	The greater the slope angle that more run off. The bottom of slope gets most of the water & probably too much unless you *cycle* the irrigation so it waters for a short time, rests to allow water to soak in, then waters a little more, etc. It waters the same amount of time but spread out over a longer period of time. Extremely important on clay slopes.	

RACHIO ADVANCED PROGRAMMING CHART

Zone Attribute	Run time	Frequency	NOTES
Area	Sq. Ft does not affect irrigation. It shows water saved in a zone.		
Soil-Available Water capacity (AWC)	**Increasing** extends run time **Decreasing** reduces run time	Increasing reduces watering frequency Decreasing increases watering frequency	
Crop root zone depth (RZD)	**Increasing** extends run time **Decreasing** reduces run time	Increasing reduces watering frequency Decreasing increases watering frequency	
Management allowed depletion (MAD)	**Increasing** extends run time **Decreasing** reduces run time	Increasing reduces watering frequency Decreasing increases watering frequency, and maintains more water in the soil.	
Efficiency	90% DU efficiency decreases irrigation. 50% DU efficiency increases irrigation	floods the area to make up for poor nozzle coverage.	
Crop coefficient		**Increasing** crop coefficient increases the watering frequency **Decreasing** crop coefficient decreases the watering frequency	For Vegs For Low water plants
Nozzle type- see Mfg. charts for inches per hour.	**Increasing** in/hr. reduces run time **Decreasing** in/hr. extends run time	SPRAY- Find precipitation rate (Inches per Hour for spray) in Manufactures charts DRIP- Find precipitation rate (Inches per Hour for drip) in Manufactures charts	
Soil Moisture- when to fill or empty	Increasing tells Flex Daily to water less the next time. Decreasing tells Flex Daily to water at the next opportunity	Fill if the soil is too saturated- Empty if soil is too dry. Set on empty	