



K-Rain Water Efficient Products

The table below lists the K-Rain products that a designer can use to help achieve the required 50% reduction to earn the points for the Water Efficiency Credit Option 1.

Product Category	K-Rain Model	Water Savings Percentage	Reference
Rotating Stream Sprinklers	RN200 Series Rotary Nozzles	30%	<i>Performance and Water Conservation Potential of Multi-Stream, Multi-Trajectory Rotating Sprinklers for Landscape Irrigation</i> K.H. Solomon, J.A. Kissinger, G.P. Farrens, J. Borneman
Pressure Regulating Spray Head Bodies	Pro S Spray with –PR Option	5 to 50+% (based on pressure differential)	Pressures above the manufacturer’s stated optimum pressure can cause sprinkler inefficiencies in distribution pattern, misting, overspray, and higher volume. Savings percentages vary with the difference in pressure between the optimum and the actual pressure. See: Bernoulli’s Equation
Check Valves	Pop-Up Sprays and Rotors	5 + %	Any amount of slope to the piping system can lead to water draining out the lowest point of the system. In-Sprinklers check valves save water by holding the water in the piping system when the irrigation system is not operating. Potential savings depends on the amount of piping in the ground, and slow in the sprinkler zone.
Automatic Controllers	RPS 46, 469 and 1224 Controllers	10%	K-Rain controllers have the programming flexibility to accommodate a wide variety of landscape materials and climate types, as well as adjust for seasonal weather changes. Savings are based on manufacturer testing, and rely on user input for programming and seasonal changes.
Rain Sensor	K-Brain Sensor	Up to 20%	Rain sensors automatically preempt or stop irrigation when sufficient precipitation has occurred, and the sensor is activated. Water savings is dependent on the number of rain events, and the quantity of rain that occurs during the irrigation season.



K-Rain and the Environment:

K-RAIN GROWS GREEN is a philosophy of conservation and environmental responsibility that guides our product development, manufacturing process and corporate culture.

We are doing our part to prepare a greener future for generations to come through our everyday activities:

- We design high quality irrigation products that enable the efficient use of water and water recycling.
- We evaluate and invest in our manufacturing facilities and processes to continually consume less of the earth's diminishing resources.
- We strive for zero waste in all our activities. From our corporate offices to the factory floor, we promote the recycling of all materials back into nature or the marketplace in a manner that protects human health and the environment.
- We foster a corporate culture of social and environmental responsibility that includes: volunteering and sponsoring social programs in the communities in which we live and operate; developing a digital strategy that reduces total supply chain paper consumption; developing educational programs for the irrigation industry that promote water recycling and conservation