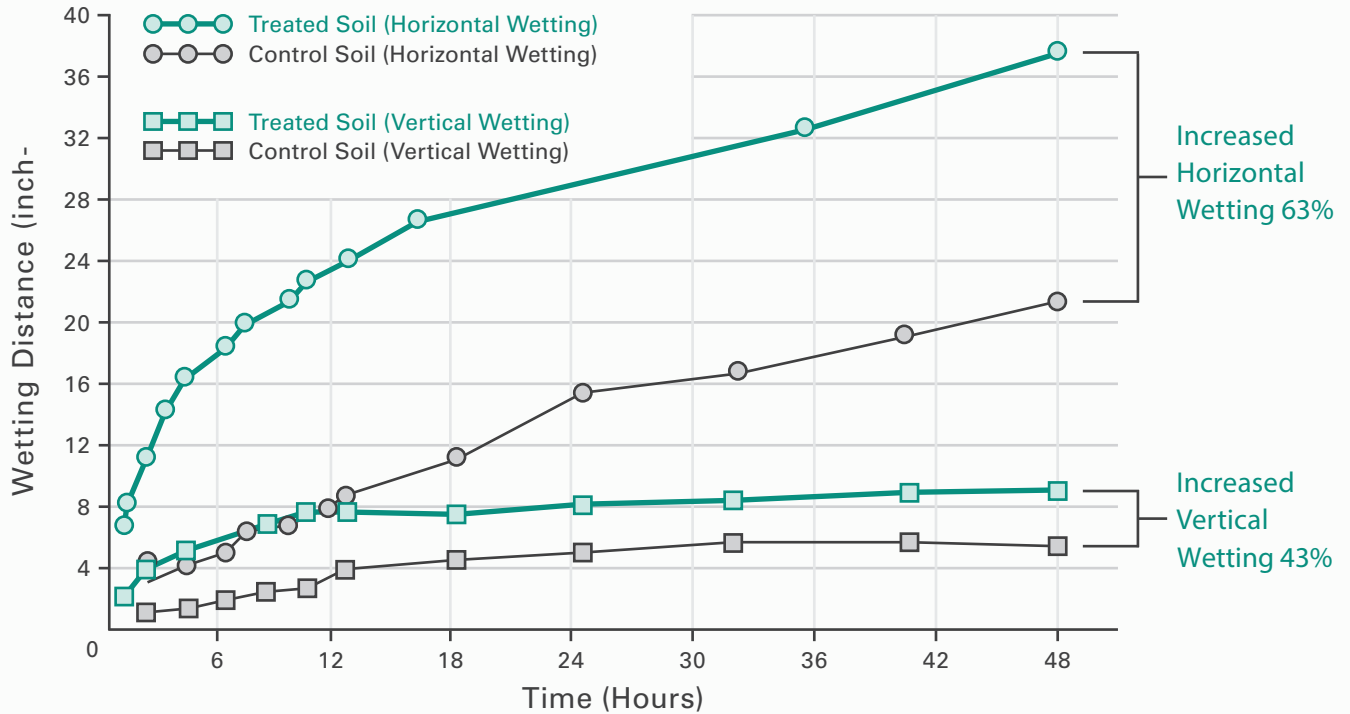


## Horizontal & Vertical Wetting

10% AxisDE Incorporated into Native Soil



KISS Subsurface Irrigation Systems – Lab Report Using Practice Field Soil University of Colorado

## Soil Water & Plant Growth

“Water stored in soil pore spaces is the easiest for the plant to extract, while water stored in the film around soil particles is much more difficult for the plant to withdraw.” (Risinger and Carver, 1987)

“Plant growth depends upon a renewable supply of soil water, which is governed by the movement of water in the soil, the soil water holding capacity, the amount of soil water that is readily available to plants, and the rate at which soil water can be replenished. (Duke, 1987)

## No Affinity for Sodium

Utah Topsoil Quality Guidelines for Sodium

	100% AxisDE	Ideal	Acceptable	Unacceptable
Electrical Conductivity (EC) mmho/cm	0.4	< 2.0	4.0	> 4.0
Sodium Adsorption Ratio	0.28	< 3.0	3.0 - 10.0	>10.0