

CALTEC 'S

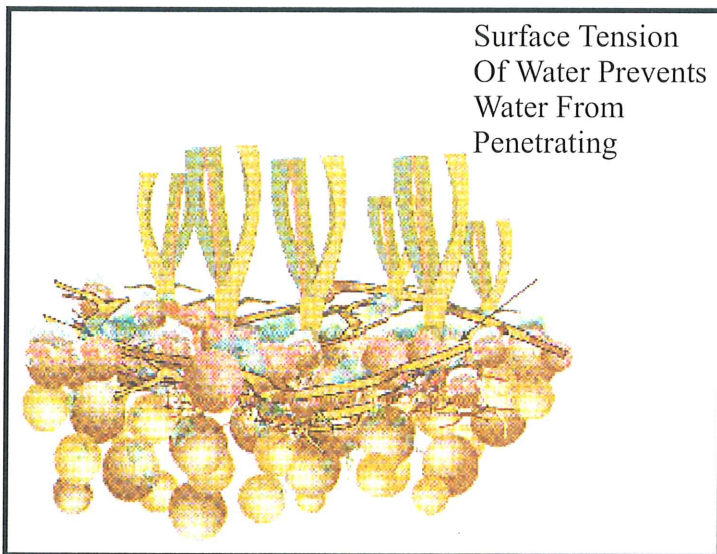
Terra Treat™

≡ SOIL SURFACTANT / PENETRANT ≡

Ag Management Issue:

Professional Ag managers often experience problems getting irrigation water to effectively and efficiently penetrate soil.

Both thatch and the surface of a soil profile are very susceptible to the development of water repellence through the accumulation of non-polar compounds on these surfaces. Further the surface tension of water may prevent water from physically penetrating the soil surface and root zone.



Surfactant Recommendation:

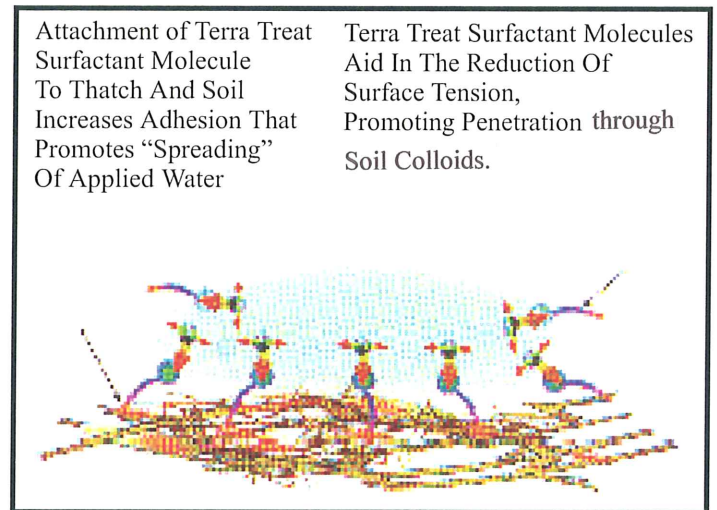
The surfactants in Terra Treat Soil Penetrant are specifically designed to improve the spreading and penetration of water applied through irrigation systems. Injecting Terra Treat into irrigation system reduces the surface tension of water, which facilitates penetration of irrigation water.



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Terra Treat surfactant molecules in the irrigation water also attach to the water repellent "coating" on thatch material and on the soil surface. This increases the adhesion between applied water and these surfaces.



Expected Result:

The net effect of reduced surface tension and increased adhesion of applied water at the water thatch and the water soil interface will enhance spreading and penetration into the soil and root profile.

This improved pattern of penetration, spreading, and hydration allows water to move more quickly and more efficiently into the soil. Reduction of water loss due to surface evaporation and run-off can be expected.

