

Forestry

Problems & Solution Guide

Forestry & Orchards			
The Problem:	The Solution:	Product effect	Usage & application rate
Poor water penetration Poor water infiltration throughout root zone	AgraGel TeraFlo LS	Crystals increase aeration & drainage TeraFlo removes surface friction allowing easy water penetration and uniform water infiltration throughout root zone.	Dependent on root ball size 1 st appl -12 oz/inch of tree diameter at budding 2nd appl - At fruit 1st appearance 6 oz/inch tree diam
Low yields or slow tree/plant development	AgraGel Root Myke TeraFlo LS	Crystals increase yields or foliage development 17% to 45% Dramatic root development due to colonization of mycorrhizae fungi on roots Holds RM in place while increasing moisture and nutrient uptake	Per tree quantity dependent on root ball size 2 doses - 6 oz/inch diameter of each Then ½ rate in 6 weeks
Soil compaction	AgraGel	Crystals significantly reduce soil compaction and allows for deeper root development	Per tree quantity dependent on root ball size
Evaporation and run-off	AgraGel	Creates pore spaces in the soil and prevents evaporation and run off	Per tree quantity dependent on root ball size -1 oz/ 5 gal container
Lack of nutrient availability	TeraFlo LS	Decreases nitrogen loss and holds nutrients in the soil especially nitrates	2 gallons/acre applied by spray or in a fertigation system
Transplant & transport mortality	Root Myke, TeraGel RD	Eliminates stress from transplanting. Eliminates transport mortality	Root Myke -Use as a root dip TeraGel RD - Mix nutrients into gel and use as root dip.
High saline salt content in soils	Salt Out	Eliminates sodium salts from the soil and guards roots from salt uptake	Initial drench - 12 oz/1000 sq ft Then again in 2 wks and then once a month at half rate
Nematode infestation and pathogenic fungi	DragonFire CPP TeraFlo LS	Immediate control of Root Knot, Lance and Sting nematodes. TeraFlo holds it in place while providing moisture and nutrients availability	Low Infestation - 2 ½ gal/acre High infestation - 5 gal/acre