

# PLUG & PLUGLESS INJECTION METHODS



## EQUIPMENT

# ARBORplugs®



### ARBORPLUG FACTS

Choose from 9/32" #3 or 3/8" #4

Tight seal with no leakage. No need to monitor directly throughout injection

Handles high pressure (160 psi) without leaking formulation

Fastest rate of uptake. May be the only viable method of injection in some conditions

Best protection of the cambium

Fastest wound closure over Arborplug

Seals wound from pathogens and secondary insects

### BEST PRACTICES

1. With a sharp drill bit, drill perpendicular to the trunk or root flare to a minimum depth of 5/8" - 2" deep.
2. Set the Arborplug so that the three ridges are seated in the xylem just inside the cambium.
3. The Arborplug remains in the tree after treatment.

# STINGER NEEDLE (PLUGLESS)



### STINGER NEEDLE FACTS

7/32" hole is the industry's smallest drilled plugless hole

Effective for low volume applications in fast uptake trees

Lower pressure - 20-30 psi

Reduced rate of uptake

Best used with TREE I.V.™/FSeries™ equipment

Not a sealed injection site

Compatible with all Arborjet equipment

### BEST PRACTICES

1. Using a sharp drill bit, angle drill slightly downward and drill 1/2" to 1" into the xylem.
2. Insert STINGER Needle into the injection site until the tapered end becomes snug and apply a slight twist to seat the needle.
3. Set regulator pressure on QUIK-jet AIR® or pump Tree I.V./Series to 30psi max.
4. Begin the injection process using 20-30 psi max.