

Specifications

Quart

DRiWATER® Quart (QT) unit shall consist of 1-quart paper carton stock measuring 2⁷/₈" x 2⁷/₈" x 9", degradable and printed with non-toxic water-based inks that meet landfill standards. It shall be 100% natural, non-toxic and harmless to people and animals.

Contractor shall furnish and install QT(s) at each plant as shown on the plans; each Quart shall be installed no more than 15° perpendicular, so that the gel is in direct contact with the roots, at least halfway down the root mass, a minimum of 4" below the soil. The water shall remain in a gelled state until it is exposed to microbial enzymes in the soil. The QT typically delivers moisture up to 90 days; it is recommended that the PM or RE check containers to schedule reapplication if a reapplication is deemed necessary for the health and establishment of plant materials.

3" Gel Pac

DRiWATER® 3" Gel Pac consists of DRiWATER® time-release water. It shall be 100% natural, non-toxic and harmless to people and animals.

Gel Products

Each Quart or Gel Pac of DRiWATER® Plus shall consist of 97.6% potable water, 2% cellulose gum, .15% aluminum sulfate and .11% zinc sulfate. Each Quart or Gel Pac of DRiWATER® Thrive shall consist of 97.6% potable water, 2% cellulose gum, .15% aluminum sulfate and .06% zinc sulfate.

3" Tube & Gel Pac

DRiWATER® Tube & Gel Pac shall consist of a 3⁷/₁₆" (8.73 cm) in diameter, 7" (17.78 cm) in length HDPE Tube with a UV protected cap and Gel Pac consisting of DRiWATER® time-release water.

DRiWATER® Tube & Gel Pac, TG, typically delivers moisture up to 90 days depending on several factors.



DRiWATER® QT
Quart Carton



DRiWATER® TG
Tube & Gel Pac Assembly



DRiWATER® PT
Perforated Tube & Gel Pac Assembly



DRiWATER® ETG
Extended Tube & (2) Gel Pac Assembly

3" Extended Tube & Gel Pacs

DRiWATER® Extended Tube & Gel Pacs shall consist of a 3⁷/₁₆" (8.73 cm) in diameter, 14 1/2" (36.83 cm) in length HDPE Tube with a UV protected cap and (2) Gel Pacs consisting of DRiWATER® time-release water.

DRiWATER® Extended Tube and Gel Pacs (ETG) typically delivers moisture up to 150 days depending on several factors.

3" PT Delivery System

DRiWATER® Perforated Tube (PT) Delivery System assemblies shall consist of a high density HDPE tube that is 3.46" (8.8 cm) in diameter, 7" (17.8 cm) in length with a UV protected cap and Gel Pac consisting of DRiWATER® time-release water.

DRiWATER® Perforated Tube and Gel Pac Delivery System (PT) typically delivers moisture up to 30 days depending on several factors.



DRiWATER® is Not a Polymer:

DRiWATER®	ABSORBENT POLYMERS
...is water that disperses at a consistent rate for an extended period of time.	...need water to perform, and extend watering cycle by a few days. Once dry, are useless until rewatered.
...is predictable—disperses moisture over a predetermined period of time. Not affected by climatic conditions.	...are unpredictable. Wind, high temperature or other factors can accelerate the release of moisture.
...is ideal for regular watering or for establishment. Roots do not grow into DRiWATER®.	...may actually compete with plant for moisture if allowed to dry. Roots may grow into saturated polymer.
...stays where you place it, either on the surface or under the soil.	...work their way toward soil surface with each watering, eventually eliminating any positive benefit.
...won't over water—stops dispersing moisture when soil becomes very wet. Won't contribute to root problems.	...hold water at the roots during extended wet weather which can cause root problems.

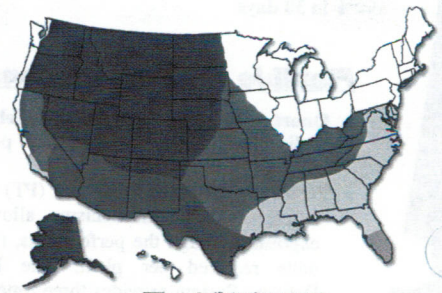
Instructions for All 3" Tube and Gel Products (TG, ETG, PT)

Contractor shall furnish and install DRiWATER® assemblies at each plant as shown on plans; each TG, ETG, or PT assembly shall be installed no more than 15° perpendicular, so that the bottom of the Tube & Gel Pac are in direct contact with the root ball, halfway down the root mass, a minimum of 4" below soil. The water shall remain in a gelled state until it is exposed to microbial enzymes in the soil.

After initial assembly and installation, the contractor shall replace Gel Pacs as necessary or as instructed by PM or RE to provide sufficient water to keep plants in a healthy and active growing condition.

When using the TG, ETG, or PT assemblies the contractor shall remove and dispose of all HDPE Tubes and Caps within 20 working days prior to completion of the contract. The contractor shall backfill the holes produced by the removal of the assemblies with adjacent soil from the project site. Backfilled soil shall be gently compacted down sufficiently to eliminate air pockets.

**Test results show that DRiWATER® gel liquefies faster during higher soil temperatures; these results are consistent with the increase in plant water needs during peak water requirement periods. Water release rates are more than 20% higher with soil temperatures at 77° compared to 60° F.*



- 1 Pacific Northwest; Hawaii Northeast; North Central
- 2 Coastal Southeast; Southwest Coast Line
- 3 South Florida
- 4 Middle Southeast; Central California
- 5 Southwest
- 6 Rockies; Great Basin; Great Plains; Alaska