

Rain Bird® Irrigation Supplement IS Series - Outdoor Use

Rain Bird Irrigation Supplement (IS) is water bound in the form of a solid gel. It is an ideal irrigation supplement for use in establishing native plant material where permanent irrigation is not required. Rain Bird IS can also be used in existing landscape areas for replants during establishment period. Rain Bird IS increases survival rates by providing continuous moisture needed to reduce transplant stress.

Features

- All natural, non-toxic, harmless to humans and pets and 100% degradable
- Helps new transplants become established in existing landscapes
 - Existing vegetation is not subjected to over-watering while trying to establish the new plant and the new plant has its own source of water until it becomes established.
- The Perforated Tube and Gel Pack (IS-PT) provides an alternate delivery mechanism allowing fewer units per plant providing three times the moisture
 - The increase in moisture delivery allows for longer intervals between watering cycles for containerized plants, hanging baskets and streetscapes.
- Disperses water at a consistent rate with a 90-day or a 30-day application
 - Bacteria naturally found in soil gradually break down the food grade ingredients and convert IS back into liquid water at a consistent and steady release rate. With the amount of surface area of the gel exposed to the soil bacteria, the IS-QT and IS-TG deliver moisture up to 90 days. The IS-PT allows more surface area exposure through the perforations to deliver moisture at a faster rate for a period of 30 days.
- Provides moisture around the clock to the root zone
 - The capillary activity in the soil carries and maintains moisture throughout the root zone for an extended period of time.
- Rain Bird Irrigation Supplement eliminates evaporation, run-off and leaching through this efficient, sub-surface, slow release delivery method
- Requires little to no maintenance

Models

- IS-QT: Quart Carton
- IS-TG: Tube and Gel Pack
- IS-PT: Perforated Tube and Gel Pack
- IS-GP: Gel Pack
- IS-QT-SL: Polyethylene sleeve for IS-QT

General Use Guide for In-Ground Plants

(Units Per Plant)					
Container Size	Height	30-Day Product	90-Day Product	Zones	In Ground Additional watering
1 gallon	1'	1	1	1,2,4	
	1'	1	2	3,6	
	1'	2	3	5	
	2'	1	2	1,2,	
	2'	1	3	3,4,6	
5 gallon	2'	2	3	5	
	2'-3'	2	4	1,2,3,4,6	
	2'-3'	2	4	5	
	4'-5'	2	5	1,2,3,4,6	
10 gallon	4'-5'	2	6	5	
	5'-6'	3	5	1,2,3,4,6	
	5'-6'	3	7	5	
	7'-8'	4	7	1,2,3,4,6	
24"	7'-8'	4	9	5	
	8'-9'	4	8	1,2	*
	8'-9'	5	9	3,4,6	*
	8'-9'	5	10	5	*
	10'-11'	5	12	1,2	*
	10'-11'	5	13	3,4,6	*
32"	10'-11'	6	14	5	*
	12'-13'	6	14	1,2	**
	12'-13'	6	15	3,4,6	**
	12'-13'	7	16	5	**
48"	14'-15'	7	15	1,2	***
	14'-15'	8	17	3,4,6	***
	14'-15'	9	21	5	***

* Every 45 days ** Every 30 days *** Every 21 days

Zones: 1 - Pacific Northwest, Hawaii, Northeast, North Central
 2 - Coastal Southeast, Southwest Coast Line
 3 - Southern Florida
 4 - Middle Southeast, Central California
 5 - Southwest
 6 - Rockies, Great Basin, Great Plains, Alaska
 (Please see reverse for map of zones)

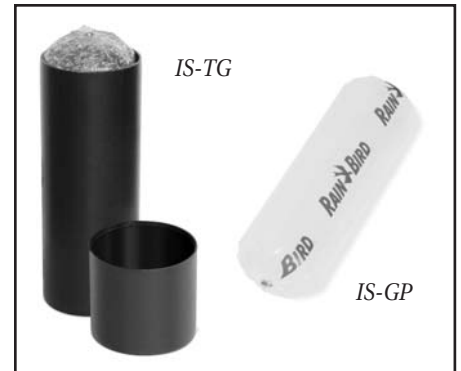
- ◆ The rate at which product liquefies varies based on several factors resulting in usage life that may be shorter than 30 or 90 days. Users are advised to check product at two weeks prior to the specified application time.
- ◆ The recommended number of units is based on average needs of medium water use plant material.
- ◆ The amount of units used can be adjusted for extreme dry or wet climate conditions.
- ◆ Excessive heat, wind and plants with extensive foliage or fruit will require additional watering.

General Use Guide For Container Plants 30-Day Product

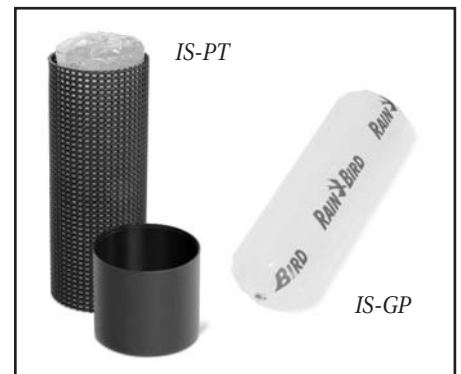
Container Size	Ornamental / Specimen Plants
12"	1
15"	1
18"	2
20"	3
24"	4
32"	6
36"	8
48"	12

- ◆ Irrigation supplement is designed to significantly increase the time between watering cycles for container plants.
- ◆ The frequency at which you apply water will depend on the climate and the plant materials.
- ◆ Plants in above ground containers dry out faster than those planted in the ground. When IS is used in this manner, additional watering will be needed.
- ◆ Users are advised to observe plants for any signs of stress then water immediately to avoid damage to plant.

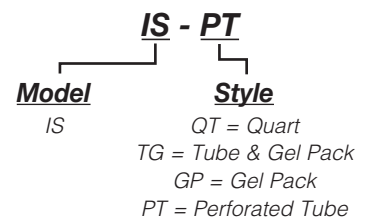
90 Day Products



30 Day Products



How to Specify





Specifications

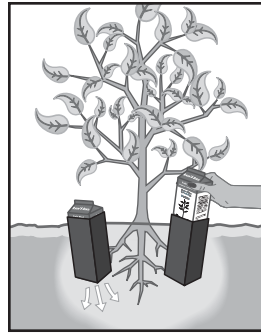
IS-QT: Rain Bird IS time release water assemblies shall consist of 1-quart paper carton stock measuring 2 7/8" x 2 7/8" x 9" (7,3 cm x 7,3 cm x 22,86 cm), degradable and printed with non-toxic water based inks that meet landfill standards. Each container shall consist of 98% potable water and 2% food grade, all natural ingredients.

Contractor shall furnish and install time release water assemblies at each plant as shown on plans; each time release water assembly shall be installed so that the gel is in direct contact with the root ball. The water shall remain in a gelled state until it is exposed to soil bacteria. IS-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

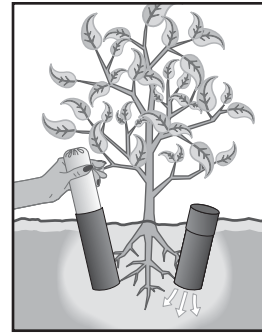
IS-TG: Rain Bird IS time release water assemblies shall consist of a polyethylene tube that is 3 1/16" (8,73 cm) in diameter, 9" (22,86 cm) in length with a UV protected cap and gel pack consisting of Irrigation Supplement (IS). Each gel pack will consist of 98% potable water and 2% food grade, all natural ingredients.

Contractor shall furnish and install time release water assemblies at each plant as shown on plans; each time release water assembly shall be installed so that the tube and gel are in direct contact with the root ball. The water shall remain in a gelled state until it is exposed to soil bacteria. IS-TG typically delivers moisture between 30-90 days depending on several factors.

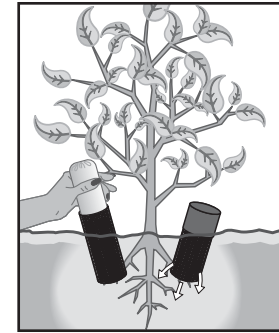
After initial assemble installation, the contractor shall replace gel packs as necessary or as instructed by PM or RE to provide sufficient water to keep plants in a healthy and active growing condition until acceptance of the contract.



Rain Bird IS-QT
Quart Carton & Quart Sleeve



Rain Bird IS-TG
Tube and Gel Pack Assembly



Rain Bird IS-PT
Perforated Tube and Gel Pack Assembly

When using the IS-TG time release water assemblies the contractor shall remove and dispose of all polyethylene tubes and caps within 20 working days prior to completion of the contract. The contractor shall backfill the holes produced by the removal of IS-TG time release water assemblies with adjacent soil from the project site. Backfilled soil shall be gently compacted down sufficiently to eliminate air pockets.

IS-PT: Rain Bird IS time release water assemblies shall consist of a high density polyethylene tube that is 3.46" (8,8 cm) in diameter, 7" (17,8 cm) in length with a UV protected cap and gel pack consisting of Irrigation Supplement (IS). Each gel pack will consist of 98% potable water and 2% food grade, all natural ingredients.

Contractor shall furnish and install time release water assemblies at each plant as shown on plans; each time release water assembly shall be installed so that the tube and gel are in direct contact with the root ball. The water shall remain in a gelled state until it is exposed to soil bacteria. IS-PT typically delivers moisture up to 30 days depending on several factors.

After initial assembly installation, the contractor shall replace gel packs as necessary or as instructed by the PM or RE to provide sufficient

water to keep plants in a healthy and active growing condition.

When using the IS-PT time release water assemblies the contractor shall remove and dispose of all polyethylene tubes and caps within 20 working days prior to completion of the contract. The contractor shall backfill the holes produced by the removal of IS-PT time release water assemblies with adjacent soil from the project site. Backfilled soil shall be gently compacted down sufficiently to eliminate air pockets.

**Test results show that IS gel liquefies faster during higher temperatures; results which are consistent with the increase in a plants water needs during the peak water requirement periods. Water release rates are 20% higher at 25° C than 15° C.*

Rain Bird IS is not a Polymer!

Rain Bird® Irrigation Supplement	Synthetic Polymers
Is water.	Are small sponges that require water to work.
Waters plant for 30 - 90 days, (depending on specified product) without competing with plant for moisture.	Competes with plant for moisture.
Does not contribute to root disease. It stops dispersing moisture when soil is very wet.	Holds water at roots during extended wet weather causing root disease.

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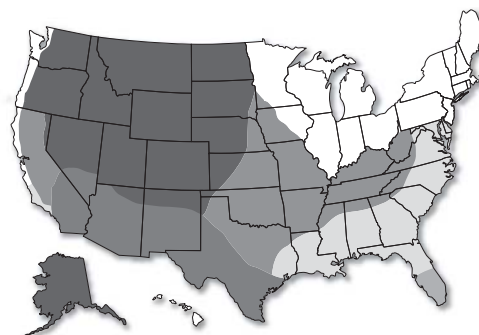
Technical Service and Support
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www.rainbird.com

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Rain Bird Irrigation Supplement Usage Zones (see front page)

- 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