



rainbird irrigation supplement

Rain Bird IS Series Irrigation Supplement is 98% water bound in the form of a solid gel. It is an ideal irrigation supplement used in establishing native and exotic plant material, where permanent irrigation is not required, as well as new plant material in existing landscape areas.

Rain Bird IS increases the survival rate of transplants by providing continuous moisture needed to reduce the stress of relocation. Existing vegetation is not subjected to over watering while trying to establish the new plant and the new plant has its own additional source of water until it becomes established.

Erosion control, revegetation, restoration and indoor plant watering are some of the applications where Rainbird provides an economically viable solution to help establish or maintain plants

Priced affordably, starting from \$1.95, this product is a very viable option that can save you a significant amount of time and money when compared to traditional forms of maintenance like water carts, temporary irrigation or hand watering. Rainbird is particularly useful where there is no access to power or water sources

the benefits

- No more worries about watering your potted plants when you go away on holidays!
- Eliminates return trips and replanting to complete job sites
- Reduces the cost of labour and resources to install and maintain plants
- It disperses water at a consistent rate for up to 90 days and is not effected by climatic conditions
- Is predictable – it disperses moisture over a pre determined time period
- It provides moisture around the clock to the root zone and so increases transplant survival
- Increases the growth rate of feeder roots by consistent and constant moisture
- Will not over water and stops dispersing moisture when the soil becomes very wet – no root problems
- Subterranean irrigation eliminates evaporation, runoff and leaching
- Requires little to no maintenance
- Stays where you place it, either on the surface or below the soil
- Is environmentally friendly and safe around children and animals
- A completely natural product made from 98% water blended with food grade ingredients that are non toxic and 100% biodegradable
- Rainbird has been awarded the Smart approved Water Mark

how it works

98% water is combined with 2% food grade vegetable gum to form a gel that is 100 percent biodegradable. The gel is placed into the ground, in a biodegradable carton or reusable tube, near the plant.

The enzymes naturally found in soil gradually break down the food grade ingredients and convert Rain Bird Irrigation Supplement back into liquid. The capillary action in the soil then carries and maintains the moisture throughout the root zone for up to 90 Days!

over 1 million trees can't be wrong!

Rain Bird Irrigation Supplement, also known as DriWater throughout the world, has widely been used in the United States, Asia, Europe, Middle East and Africa, including helping to establish over 1 Million trees in the Sahara Desert for Egypt's Sixth of October city development.





frequently asked questions about rainbird irrigation supplement

What is Rain Bird Irrigation Supplement and how does it work?

Rain Bird Irrigation Supplement consists of 98% water and 2% food grade ingredients. Rain Bird Irrigation Supplement is 100% natural and harmless to people and animals. It is not a polymer! Rain Bird Irrigation Supplement begins to liquefy when it comes in direct contact with soil. The enzymes naturally found in soil gradually break down the food grade ingredients and convert Rain Bird Irrigation Supplement back into liquid. The capillary activity in the soil then carries and maintains the moisture throughout the root zone for an extended period of time.

Is it possible to over-water using Rain Bird Irrigation Supplement?

When applied per manufacturers recommended usage, Rain Bird Irrigation Supplement will not over-water plant materials. Used under normal circumstances, following manufacturer's recommendation, each 90 Day Quart carton or Tube and Gel Pac will deliver one ounce of water every three days. When used to establish native plants outdoors, Rain Bird Irrigation Supplement is designed to deliver only enough moisture to keep the plant under an adequate amount of stress, which causes the plant to seek its own moisture source to sustain itself. When used as supplemental irrigation to aid in ornamental plant establishment in an existing irrigated area, Rain Bird Irrigation Supplement is designed to deliver enough water to keep the root mass moist between normal irrigation cycles.

What happens when it rains?

During light rains, Rain Bird Irrigation Supplement continues to work normally. In heavy rains, the enzymes in the soil migrate away from the soil surface to avoid being too wet. Without enzymes present, liquefaction stops and the natural rainwater feeds the plant. When the soil begins to dry out, the enzymes migrate back toward the Rain Bird Irrigation Supplement and begin liquefying again.

Does Rain Bird Irrigation Supplement freeze?

Rain Bird Irrigation Supplement freezes when temperatures fall below -3 degrees celsius and will not be affected when it thaws out. Enzymes in the soil become dormant at approximately 3 degrees and, at this point, Rain Bird Irrigation Supplement stops liquefying. When temperatures rise, the enzymes become active and the Rain Bird Irrigation Supplement begins to liquefy again.

When temperatures increase will Rain Bird Irrigation Supplement liquefy at a faster rate?

No. Rain Bird Irrigation Supplement is activated by microbial activity in the soil, it is not heat-activated like a common polymer. In high temperatures, the enzymes in the soil continue to break Rain Bird Irrigation Supplement down at a consistent and steady release rate. If the plant requires more moisture, additional Rain Bird Irrigation Supplement or supplemental irrigation should be used.

Is it safe to eat Rain Bird Irrigation Supplement?

We do not recommend this, however, Rain Bird Irrigation Supplement is 100% natural and harmless to people and animals.

How can one Quart of Rain Bird Irrigation Supplement give a plant enough moisture when the evapotranspiration (EI) rate of the plant is greater than the liquefaction rate of Rain Bird Irrigation Supplement?

In the first year of establishing an indigenous tree or shrub, developing a root system to sustain the plant is the main goal. If a newly planted tree or shrub is given scheduled watering during its first year, it may encourage the plant to push growth (creating greater FT rates) that it is not yet able to support by the plants roof mass. When a plant is grown in the ground from seed, the root develops in proportion to support plant growth. When plant materials are grown in containers and transplanted into the ground, it is important to encourage the roots to grow out and develop so they can draw enough moisture and nutrients from the soil to be self-supportive. During the plants' early establishment period, most of the moisture the plant is given will remain below the ground within the root mass and ET rates are lower than normal at this time. Follow the usage guidelines, always taking into consideration the species of plant material, soil conditions and how large the canopy or upper body is on the plant.





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After Rain Bird Irrigation Supplement has finished liquefying what should be done with the Quart or the Tube?

The Quart Carton can be pulled out of the ground and recycled or left in the ground to degrade. It will take approximately 6 months to a year to degrade. After removing, simply brush surrounding dirt into the hole. If you are using the Tube, remove the Tube and use it again on another site or recycle it. When using the Tube over an extended period of time, Rain Bird Irrigation Supplement will leave a protective crust in the bottom of the Tube near the root zone until the time of reapplication.

Are there nutrients added to Rain Bird Irrigation Supplement?

No. Rain Bird Irrigation Supplement is pure potable water.

Can I fertilise while using Rain Bird Irrigation Supplement?

Yes, however, during the first year, when establishing indigenous plant materials, fertilising with a high nitrogen-based fertiliser is generally not recommended. When Rain Bird Irrigation Supplement comes in direct contact with fertilisers, it will cause it to liquefy at a faster rate. For this reason, when using fertilisers, it is important to check the Rain Bird Irrigation Supplement after 45 days.

Does Rain Bird Irrigation Supplement change the Ph of the soil?

No, Rain Bird Irrigation Supplement has a neutral Ph of 5.25 — 5.5.

Do the roots of the plants develop and grow unevenly around the area the Rain Bird Irrigation Supplement has liquefied?

No. Most plants require 2 containers of Rain Bird Irrigation Supplement around the plant, supplying equal distribution of moisture around the root mass. Rain Bird Irrigation Supplement turns back into water at the rate of one-ounce every three days. As liquefaction occurs, the capillary activity in the soil carries and maintains moisture throughout the root mass and surrounding soil. The amount of moisture delivered to the plant is just enough to sustain it and, at the same time, provide an adequate amount of stress to force the plant to seek out its own moisture source.

Do the roots grow up into the Rain bird Irrigation Supplement container?

No. A plant does not recognise Rain Bird Irrigation Supplement as the water source and the roots will grow down naturally.

When a plant needs more moisture, does Rain Bird Irrigation Supplement liquefy at a faster rate?

No. Liquefaction is the process of Rain Bird Irrigation Supplement changing from a solid gel back into liquid water. The liquefaction rates are predictable and are determined by the amount of Rain Bird Irrigation Supplement that is exposed to the soil. If a plant needs more moisture, it is necessary to apply more Rain Bird Irrigation Supplement or use supplemental irrigation.

Can the brown Tubes be re-used?

Yes. The Tube and Caps can be recycled or re-used. Many commercial clients establish plant materials on one site, then remove the Tube and Caps to be used on another project.

