

PRT experts focus on the reliable production and on-time delivery of quality seedling products. We employ the best seedling culture and risk management techniques, as we strive to help our customers minimize regeneration costs through timely planting of healthy, properly conditioned seedlings.

Nutri-plugin® Plus Seedlings

Post Planting Seedling Nutritional Requirements - A History

Providing an added or residual fertilizer load in the plugs of forest tree seedlings prior to planting has been an objective pursued by nursery personnel and foresters through the years. Alternatively, foresters have recognized the benefits of post planting seedling nutritional requirements and, in some cases, have operationally incorporated fertilizers near the seedling root system through the use of "tea bags" and other similar products. In both cases, the objective is the same. Providing nutrients to the seedling after planting will result in the reduction of "planting check" and enhance growth in the first few years after planting.

At PRT, we've been working with our customers since the early 1990's by providing a value added product that would enhance field performance and provide a cost effective alternative to the fertilization of seedlings at the time of planting. A controlled release fertilizer with a long release span was incorporated into the growing medium at the time of **sowing**. Although some nutrients are released during the crop cycle at the nursery, there is significant residual effect after planting. This concept was used to develop the Nutri-plugin™ seedling and was the object of several trials, with promising results.

Nutri-plugin® Plus Seedlings - A New Era

Given the positive results with the Nutri-plugin™ seedling, it was decided to investigate the concept of incorporating controlled release fertilizer into the plug at the time of **lift** thus ensuring all of the nutrients would be released directly into the root zone after planting. After ten years of development, we now offer the **Nutri-plugin® Plus** seedling. Our recent development with the **Nutri-plugin® Plus** seedling has yielded the following positive results in maximizing nutrient availability post planting:

- Development of a mechanized injection system which reduces the variation in the number of fertilizer prills per plug enabling us to increase the target average dose without generating undesirable salinity levels.
- Ensuring that all fertilizer release takes place after planting.
- Identification of new controlled release fertilizer products that can be custom matched to the conditions on your planting sites.
- Target nutrient uptake via the seedling root mass and minimize feeding of the surrounding vegetation.
- Provides a cost effective alternative to fertilizing at time of planting.

Thus, the **Nutri-plugin® Plus** seedling is a cost effective and versatile alternative to other methods of fertilization at the time of planting. **Nutri-plugin® Plus** seedlings have the flexibility of delivering a custom matched controlled release fertilizer product directly to the root zone of your new plantation, in a range of doses specific to your needs.

For those really tough sites where vegetation management is a concern, consider PRT's **Brush Buster™** seedlings in conjunction with **Nutri-plugin® Plus** seedlings. The **Brush Buster™** seedling is our largest 1+0 seedling with heights of 60-80 cm. (24-32 in.) and grown in containers of 1,000 ml (61 cu. in.). Plant **Brush Buster™** seedlings and get a head start on vegetation management.

Nutri-plugin® Plus seedlings. Giving you optimal seedling performance in year one, and beyond. Give your plantation the **Nutri-plugin® Plus** advantage. For consultation and support, contact the PRT Customer Support Representative nearest you or visit www.prtgroup.com.

