

## MycorDip™ Universal, an update

### Root dip inoculant

*Contains beneficial organisms and bio stimulants to improve the root environment to assist in the establishment of tree/shrub transplants.*

#### Highlights

- ❖ A proven and well-established product.
- ❖ Precisely defined composition
- ❖ One of a range of specific-use transplanting aids.
- ❖ Clean and easy to use.
- ❖ Effects confirmed by new trial in 2016.



#### Introduction

MycorDip™ Universal contains beneficial microorganisms, water retaining polymer, and organic biocatalysts. It is used as a root dip for the inoculation of tree and shrub seedlings to improve survival and subsequent growth after being transplanted.

MycorDip™ Universal is suitable for all tree/shrub species except rhododendrons, azaleas and mountain laurel

#### Benefits

- Minimizes transplant shock and improves water/nutrient uptake.
- Improves establishment and survival rates.
- Reduces need for costly replanting.

#### 2016 Trial

In 2016 a trial was conducted on new 30 metre long hedge planted in the January using Hawthorn together with Hazel, Dog Rose and Field Maple to evaluate the effectiveness of MycorDip™ Universal. The trial was located in Barnham, West Sussex, UK and the soil type was Brickearth (Hamble Association).

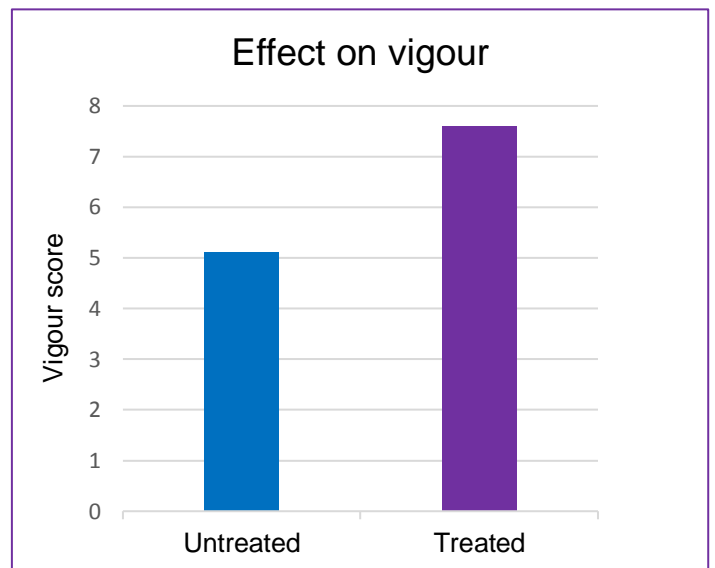
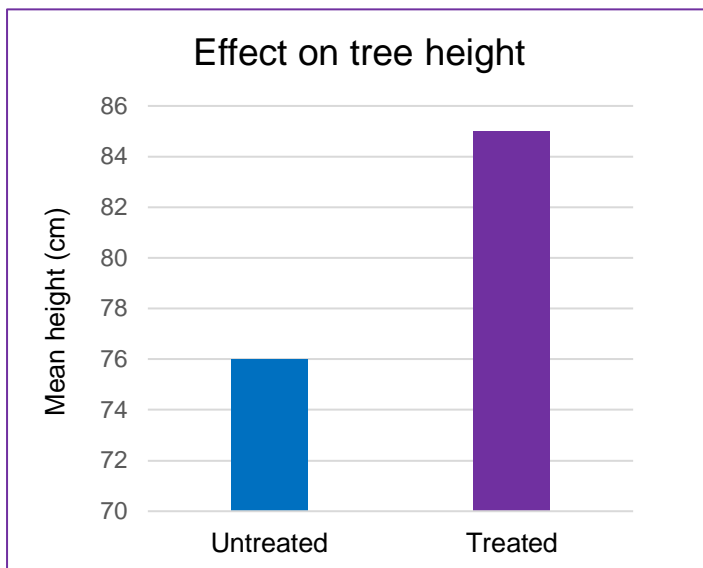
Trees were treated with MycorDip™ Universal as a bare root dip immediately before planting. To act as a control, the trees in a 4 m section of the hedge were left untreated. No fertiliser was used at planting time.

On the 6 July the treatment effects were evaluated by measuring tree height and scoring

tree vigour. This was conducted by independent consultant Susie Holmes.

## Results

Plant Heights and vigour scores (Hawthorn):



## Conclusions

The results clearly show the beneficial effects of treatment. Transplants treated with MycorDip™ Universal became established very quickly and soon started out grow their untreated counterparts, this effect has continued up to and beyond the date the trial was evaluated.

The trial site had good quality soil and the growing conditions in spring 2016 were favourable. Even greater responses might be expected therefore in less favourable soil conditions.

## Other transplanting aid products

**MycorDip™ PT.** Used in the same way to MycorDip™ Universal but suitable for a limited number of tree species. More economical in use.

**PHC Injectable Universal.** For application to the root zone of established trees via a pressure injector. Suitable for a wide range of species

**PHC Injectable PT.** For application to the root zone of established trees via a pressure injector. Suitable for a limited number of tree species but more economical.

**Tree Saver Transplant.** Mycorrhizal backfill additive for rapid tree establishment.

**Vertimulch.** Mycorrhizal/bio-fertilizer root zone mulch for trees suffering from environmental stress or decline.

## Appendix, composition of MycorDip™ Universal

<b>Beneficial fungi</b>	
Living spores of VA endo-mycorrhizal fungi: <i>Entrophospora colombiana</i> , <i>Glomus etunicatum</i> , <i>Glomus clarum</i> and <i>Glomus intraradices</i>	Minimum of 116,000 spores per kilogram.
Living spores of ecto-mycorrhizal fungi: <i>Pisolithus tinctorius</i> and <i>Scleroderma citrinum</i>	Minimum of 209 million spores per kilogram
<b>Beneficial bacteria</b>	6.2 billion cfu* per kg
1,4 billion cfu* per kg. <i>Bacillus licheniformis</i> 1,4 billion cfu* per kg. <i>Bacillus megaterium</i> 0,3 billion cfu* per kg. <i>Bacillus polymyxa</i> 1,4 billion cfu* per kg. <i>Bacillus pumilus</i> 1,4 billion cfu* per kg. <i>Bacillus subtilis</i> 0,3 billion cfu* per kg. <i>Paenibacillus azotofixans</i>	
<b>Soil improving ingredients</b>	18.10%
Humic acids (from Leonardite)	18.0%
Formononetine (myconate)	0.1%
<b>Microbial nutrients</b>	27.70%
Maltodextrin	0.8%
Kelp meal (from <i>Ascophyllum nodosum</i> )	25.9%
Yeast extract	0.3%
Citric acid	0.7%
<b>Inert ingredients</b>	54.20%

\*cfu = colony forming unit

## Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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