



Insight

## Root Development Claim

### **A major benefit of using Maxstim products is significant root mass increase.**

Better root development has a big impact on the plants ability to seek nutrients, moisture and withstand abiotic stress.

We are not just looking for primary root development to improve anchorage. We want to fundamentally change the plant's root architecture by promoting the initiation of a larger number of new white roots significantly increasing the total root surface area.

Not only does this give better access to all the key inputs but will greatly improve the interaction with the soil microbiome. Changing the way a plant develops its root system can fundamentally affect the whole rhizosphere.



Untreated - Rye Grass

Treated - Rye Grass

#### **How Maxstim affects root development**

Maxstim bioactive components greatly influences root architecture by promoting lateral growth. This has been measured quantitatively by our research team, using fractal analysis, where significant root length, number of tips and the number of forks present were significantly increased compared to untreated plants.

The same significant improvements can be observed in a range of plants, from those used in amenities and in crops, from numerous field trials:

Where	What	Observations
Le Golf National, France	Sports Turf	After 9 weeks the average root increase throughout the course was 36%
Dunmurry Golf Club	Sports Turf	More root growth with no sign of stress or disease
France Galop, Chantilly Race Course	Sports Turf	After two treatments there was significant new white root development
Portugal	Raspberries	Significant root increase, and a 10.3% increase in harvest

### Raspberry Trial - Portugal



**CONTROL**



**MAXSTIM**

Plants treated with **Maxstim** had a significant increase in their root systems, you can see clearly how strong and dense they are growing compared to the control plants.

### The benefits of improved root development are:

- ✓ Superior overall plant health
- ✓ Improved nutrient use efficiency
- ✓ Better resistance to stress and disease
- ✓ More foliage
- ✓ Increased crop yield



**Maxstim provides a significant increase in root mass**

*Maxstim complex biostimulants improve root development for a large variety of plants, encouraging quick development of new and denser roots and improving plant health.*

Do you want healthier and more robust plants? Call Tim or Tony on:

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**Maxstim**  
Creating New Standards in Biostimulants