

# RootXCell



## Unique Biostimulant Formulation

## Product Description

RootXCell is a unique biostimulant that includes IBA, Cytokins, mycorrhizae, *Bacillus Amyloliquefaciens*, and B Vitamins which together promote faster & improved root growth.

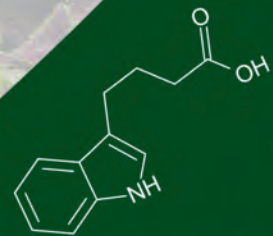
## Benefits

- Early established root vigor leads to increased plant survival rates
- Develops protective film around roots and cycles nutrients, enabling stronger root growth & plant development
- Captures increased amounts of Calcium, Magnesium, Nitrogen, Phosphorus & Potassium

## Applications

- Nursery & Greenhouse Transplants
- Nursery & Greenhouse Sizing-Up
- Tree Care
- Forestry
- Turf Overseeding
- Turf Maintenance

Not for Food Crop Use



## Why IBA? (Indole-3-butyric acid)

A naturally occurring auxin that:

- accelerates the rate of mitosis
- increases root development
- enhances nutrient absorption
- improves plant stress tolerance



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# Field Results

When RootXCell is applied to the soil or root structures, growers see a root mass increase in nursery production. Mortality rates in seedlings caused by drought, irrigation inconsistency, shipping and other common stressors were observed to decrease.

**Before**

**After**



**Figure 1 –**  
In residential trials, we see the affects of stronger nutrient absorption through more vigorous root structures.

**Control**

**Treated**



## Product Breakdown

### **IBA**

Natural auxin accelerating rate of mitosis for root development and nutrient absorption

### **Cytokinin**

Plant hormones that divide cells, to increase plant growth & budding through the roots & shoots

### **Mycorrhizae**

Fungi that enhance water & nutrient uptake, more efficiently utilizing soil than roots alone

### **Bacillus Amyloliquefaciens**

Shown in multiple studies to be an aggressive colonizer in the rhizosphere

### **B-Vitamins**

Vitamins used to promote root development & growth through diverse metabolic activity



**STIMULATES  
ROOT  
GROWTH**



**ENHANCES  
NUTRIENT  
UPTAKE**



**INCREASES STRESS  
TOLERANCE &  
SURVIVAL RATES**



**DECREASES  
TRANSPLANT  
SHOCK**

RootXCell is a vitamin hormone product not subject to FIFRA regulation pursuant to 40 CFR