



# Agroblen<sup>®</sup>

## Trial results

### Norway spruce (*Picea abies*)

#### Improves plant establishment

Only 20 grams of Agroblen improves plant establishment by increasing root and shoot weight by 57% and 69% respectively.

#### Increases root collar diameter

Agroblen increases root collar diameter and the length of the top shoot by 35% and 80% respectively.

#### Increases plant height

Over the trial period, plant height increased by 28%.

#### Improves survival rate

Increasing root collar diameter and plant height improves the survival rate of the plants, avoiding severe damages made by animals (moose and deer), weeds and pests (pine weevil). By this, 1 extra treatment against pine weevil might be avoided.

<b>N</b>	9%
<b>P</b>	20% P <sub>2</sub> O <sub>5</sub>
<b>K</b>	8% K <sub>2</sub> O
<b>Mg</b>	3% MgO
<b>B</b>	0.1% B





### When

Spring 2015  
Autumn 2017



### Where

Borsaskögle, Sweden



### Crop

Norway spruce  
(*Picea abies*)



### Soil type

Sandy silt  
pH = 4.1



### Measurements

- Root and shoot weight
- Root collar diameter
- Top shoot length
- Plant height

## Objective

To evaluate the performance of Agroblen, as fully coated NPK, on plant development of *Picea abies* after 3 growing seasons.

## Trial set-up

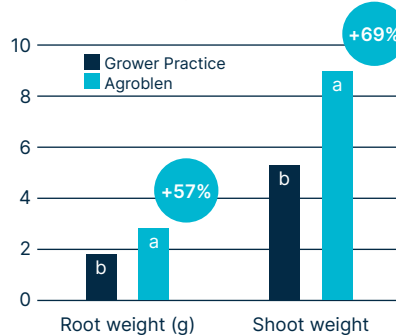
Trial performed by SLU – Asa Research Station.  
Randomized block design with 3 repetitions.

## Treatments

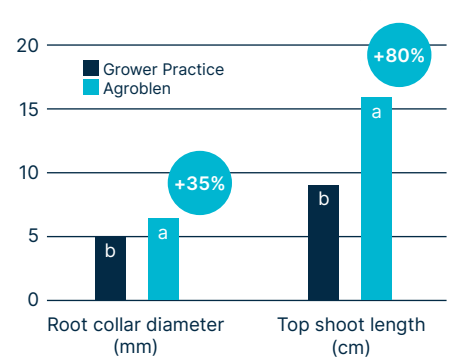
Treatment	Product	Dosage	Timing of application
Grower Practice			
Agroblen	Agroblen 9-20-8+3MgO+0.1B	20 grams/plant	At planting, in planting holes

## Results

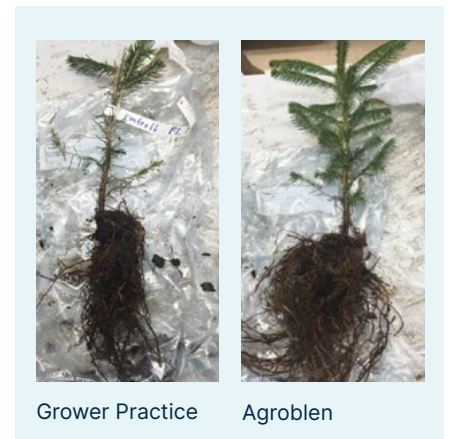
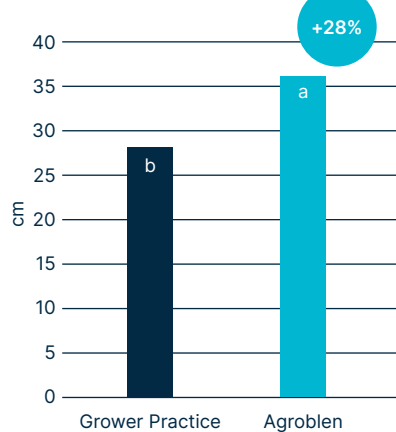
Root and shoot weight



Root collar diameter and top shoot length



Plant height



Statistically significant differences at  $P < 0.1$

## Product description

Help your forestry and orchard crops branch out with Agroblen® 9-20-8+3MgO+0.1B | 8-9M. This high-phosphorus fully coated NPK fertilizer is enriched with boron and magnesium, providing your plants with uniform growth and stronger rooting. Designed specifically for planting hole application, this product is your perfect solution for establishing forestry crops, such as conifers. Enjoy controlled, sustained, and reliable nutrition thanks to ICL's state of the art Resin Release Technology, providing high-quality nutrients over a guaranteed 8–9-month period, at average soil temperature of 21°C.



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