

Stimulating growth in a new apple plantation.

A good start to a new apple plantation is important for the future of the orchard. Especially in the case of replanting, taking care of the soil structure and the biological life in the soil is of great importance. A treatment during or just after planting can make a big difference. This could include a planting hole treatment such as spreading or watering and/or a treatment immediately after planting by means of spraying or scattering.

The trial is carried out at our own location.

The trial is set up according to the following EPPO guide lines:

- PP1/152(4) Design and analysis of efficacy evaluation trials
- PP1/181(4) Conduct and reporting of efficacy evaluation trials
- PP1/135(4) Phytotoxicity assessment
- PP1/239(2) Dose expression for plant protection products

Trial design:

Location:	The Netherlands, Enspijk
Crop:	Apple, <i>malus domestica</i>
No of trials:	1
No of replicates:	4
No of applications:	1-2 (as much as requested)
No of trees:	At least 4
No of assessments:	3

- 1st assessment: crop development after 2 weeks
- 2nd assessment: crop development after 4 weeks
- 3rd assessment: evaluation of the growth before leaf fall*
- Phytotoxicity at every assessment date

*) Evaluation of the growth:

- Measure the trunk diameter at approx. 25 cm above the breeding
- Count the number of shoots per tree
- Measure the total shoot length
- Calculate the average shoot length
- Rate covering of the branch compared to standard with % more or less branch covering than standard
- Give a growth rate on a scale of 1 (no growth) to 9 (very strong shoot growth) / Rate vigor compared to standard with % more or less vigor than standard

Costs per treatment:

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- Data is managed in ARM
- Visit to the trial with any guests or partners is possible.
- The costs mentioned are included a written report in English.
- The costs mentioned are exclusive costs for crop destruction, costs of plant and infection material, travel expenses and analysis by third parties



- Extra activities will be carried out after our proposal and costs are agreed by the sponsor.

If you like to participate please respond before 01-08-2022

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