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Perguntas / Questions

Pergunta nº: 1582/Question nº: 16582

Título:/Title: [Eucalyptus problem - Dead young trees](#)

Por: / by: [Richard Mose](#)

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Questão: /Question:

Dear Celso,

I have been receiving copies of Eucalyptus Newsletter and must say they have been very informative.

We have a large scale eucalyptus plantation, whose purpose is mainly fuelwood for drying tea in factories.

In the last few years we have experienced a problem in our eucalyptus plantations whereby abnormal basal growth characterized by stem swelling and cracking of barks leads to some trees falling over whenever strong winds prevail.

This disorder is common on young *eucalyptus grandis* as early as age of one year planted into old tea soils. These soils are very rich in fertility due to residual fertilizer especially Nitrogen, the pH of this soils are also low about 4.0-4.5 with high levels of Aluminium, Mn and Iron. They also have high organic matter due to prunings left *insitu* over time. This phenomenon affects both clonal and seed grandis , our growth rates in the first few years are very high and cycle average is about 75CuM stacked/Ha/Yr.

I would be grateful to get your views or experiences on this or assistance in identifying the cause(s) of these abnormal growths and advising the best possible method of managing this syndrome.

Best Regards and keep up the good work

Richard Mose

Resposta por Celso Foelkel: / Answer by Celso Foelkel:

Dear Richard - thanks for your nice words about our work in favor of the eucalypts.

At a glance, I see two possibilities for your problem:

- Attack of the fungus *Cryphonectria cubensis* (canker of *Eucalyptus*), as you may see in the selected web search:

http://www.google.com.br/search?um=1&hl=pt-BR&biw=1280&bih=521&tbm=isch&sa=1&q=cancro+Cryphonectria+cubensis&btnG=Pesquisar&oq=cancro+Cryphonectria+cubensis&aq=f&aql=&aql=&gs_sm=s&gs_upl=26211|26211|0|27289|1|1|0|0|0|852|852|6-1|1|0

and

http://www.google.com.br/search?tbm=isch&hl=pt-BR&source=hp&biw=1280&bih=521&q=canker+eucalyptus&gbv=2&oq=canker+eucalyptus&aq=f&aql=&aql=&gs_sm=e&gs_upl=2401|7465|0|8311|17|16|0|6|0|3|1325|465|10.2.2.6-3.1|8|0

- Root diseases or deformations due to bad quality seedlings. You are recommended to open big holes in the soil surrounding some

of dead trees to check the root quality. See the pictures in the pages 59 and 77 of the Eucalyptus Book Chapter available in Portuguese at http://www.eucalyptus.com.br/capitulos/PT11_P%2BL_floresta_l.pdf

Hoping these suggestions may help you.

Regards
Celso Foelkel

Resposta por Richard Mose: / Answer by Richard Mose:

Celso,

Many thanks for your helpful suggestions.

Looks like there are more of root deformations than the canker. The article on the web address:

http://www.eucalyptus.com.br/capitulos/PT11_P%2BL_florestal.pdf

is very useful. Is there a possibility of getting it in English? I would really appreciate to have as it appears extremely useful.

Best wishes

Richard Mose
