



## Anwendungsbericht/User Application Report

**Produkt/Product:**

penergetic b  
Spezifikation des Produkts

**Fachberater/Consultant:**

**Anwender/User:**

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Brazil

**Datum/Date:**

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### Effect of penergetic products on nematode and infections

Nematode manifestation is a huge problem in agriculture. This evaluation was done to see the effect of penergetic b and penergetic p in the nematode control.

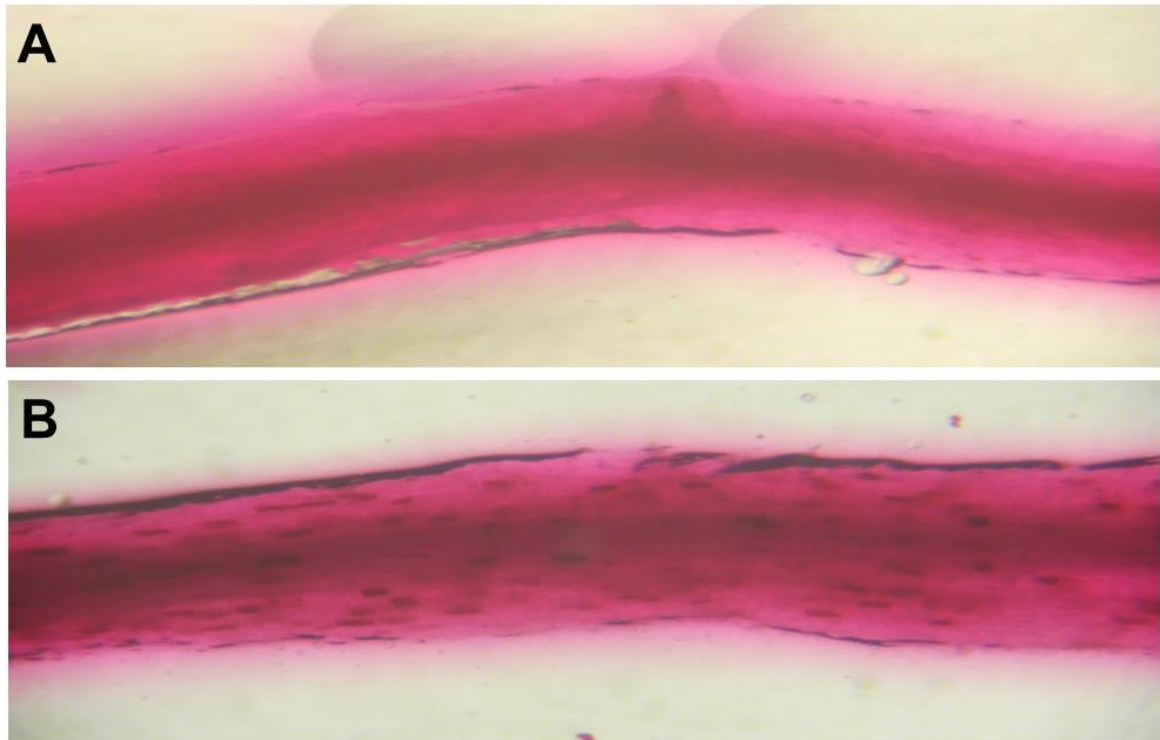
#### Method:

Test Design

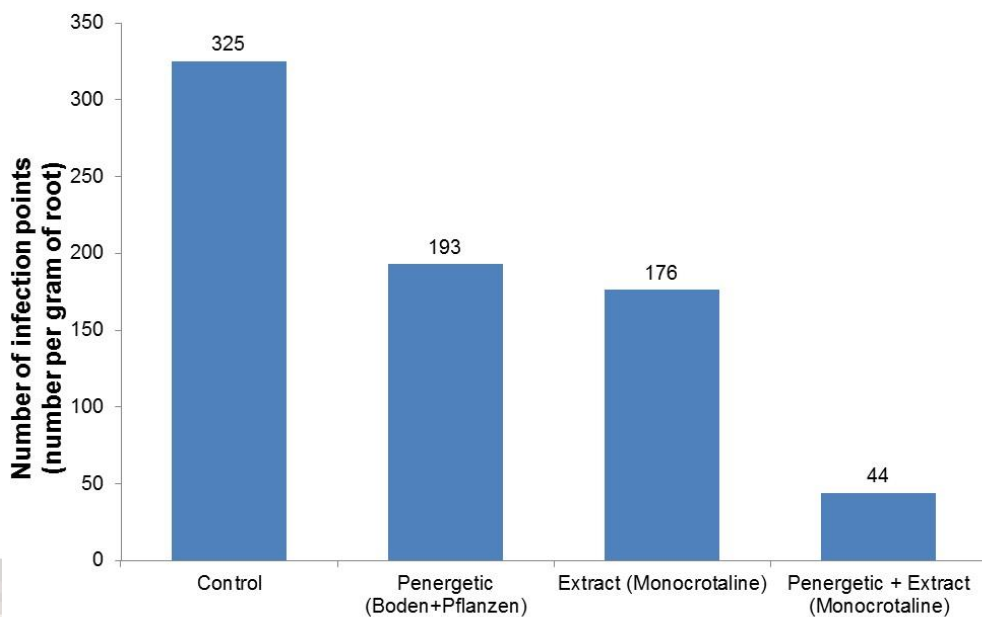
- Penergetic b 500g / ha and penergetic p 300g / ha
- Herbal extract of Monocrotaline 10µl / kg of soil
- Penergetic b 500g / ha and penergetic p 300g / ha and Herbal extract of Monocrotaline 10µl / kg of soil



Results of damaged roots

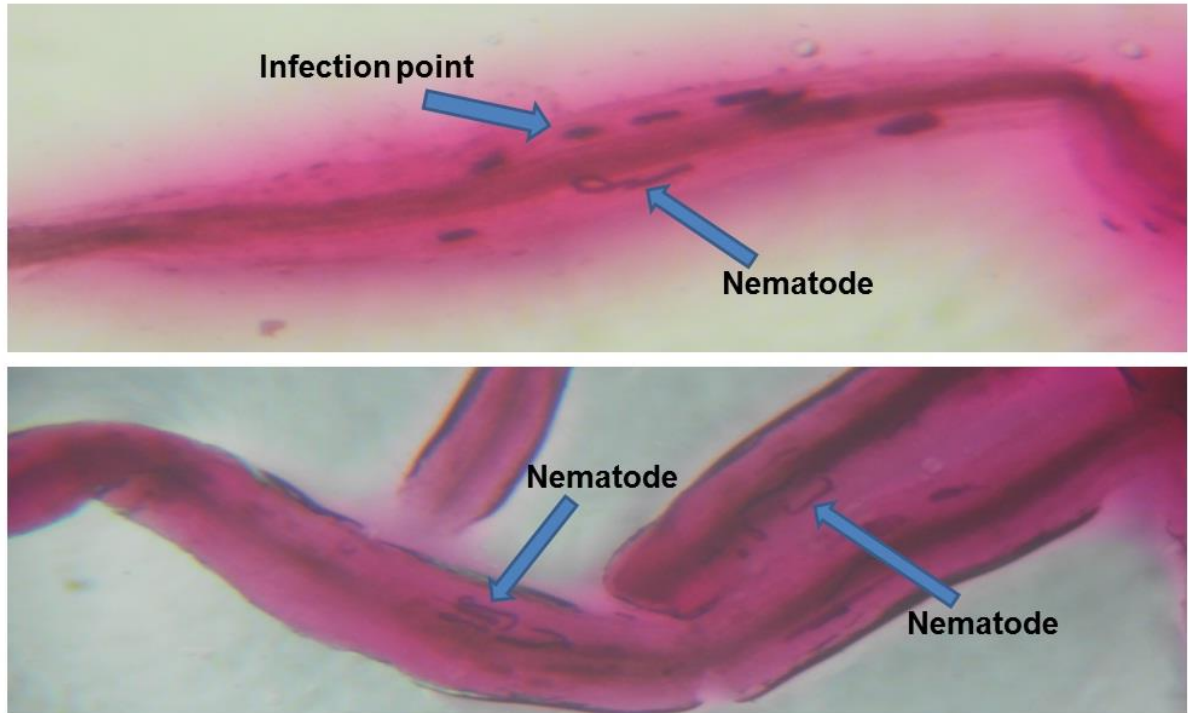


Damage caused to the roots by the action of the nematode *Pratylenchus brachyurus* (Infection points). Locations where the nematode inserted the stylet into the root tissue. A) Penergetic + Extract treatment. B) Control treatment

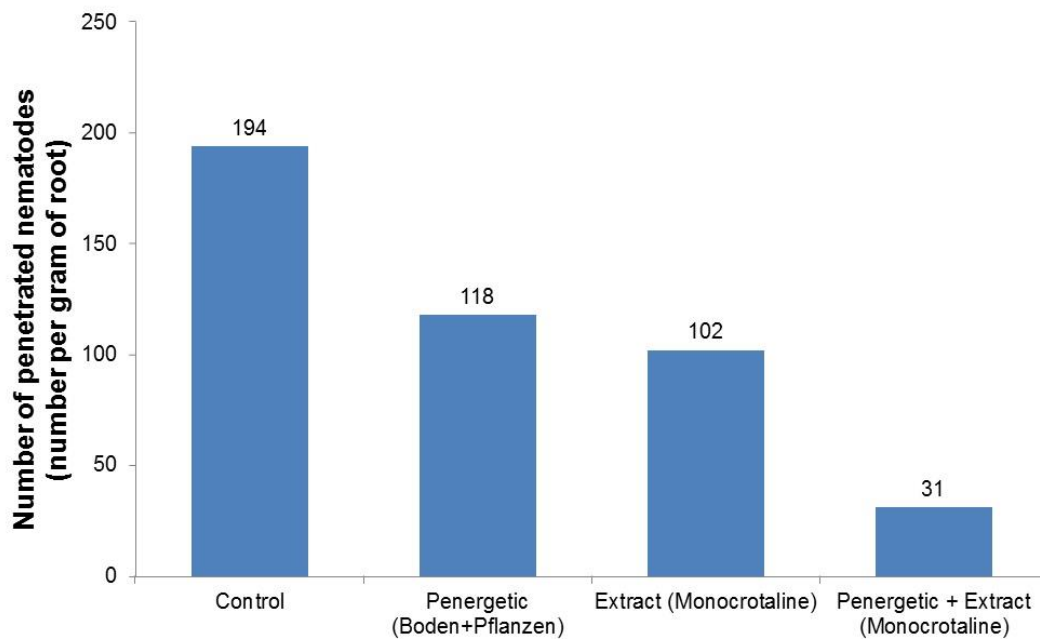


Number of infection points (caused by *Pratylenchus brachyurus*) into soybean roots in a controlled environment. Penergetic treatment (Boden 500g per hectare + Pflanzen 300g per hectare). Extract Treatment (Extract of *Crotalaria spectabilis* 10µl per kilogram of soil).

Results on nematodes and infection points



Nematodes into the soybean root system and infection points.



Number of nematodes (*Pratylenchus brachyurus*) into soybean roots in a controlled environment. Penergetic treatment (Boden 500g per hectare + Pflanzen 300g per hectare). Extract Treatment (Extract of *Crotalaria spectabilis* 10µl per kilogram of soil).