



## Characteristics

- ✓ **NemaDecide is a unique advisory system for the control of nematodes.** The program is the result of the combination of scientific knowledge and practical experience to support farmers and their advisors in order to keep fields free from pathogenic nematodes, or when such nematodes have been detected, to get the nematode population to below detection levels or manage them to non-damaging levels.
- ✓ **NemaDecide answers practical questions of farmers.** The program has been improved and adjusted to meet requests from farmers and advisors. The program enables advisors to prepare rapidly and simply an advisory report with tables, graphs and comparisons for direct use by the grower.
- ✓ **NemaDecide PCN** has been used since 2006. The program uses easily readable and attractive pictures to support growers and their advisors to control potato cyst nematodes. The new PCN version can also make calculations for mixed infestations of the two types of potato cyst nematodes.
- ✓ **NemaDecide Plus** not only advises on the control of the potato cyst nematode but can also compute scenarios for the control of the root lesion nematode, the root-knot nematode and for combinations of infestations by these nematodes.

## Cooperation works

The programme is the product of the cooperation of nine agrobusiness companies and research organizations.

NemaDecide has been developed in close cooperation with seed potato companies as well as crop protection companies and sampling agencies. The project has been financed by the SNN (a cooperative body of the three Northern provinces Groningen, Friesland and Drenthe), UILN-N/Kompas, the Ministry of Agriculture, Nature and Food Quality and the Rabobank Project Fund.



[www.NemaDecide.com](http://www.NemaDecide.com)

Please consult our website [www.NemaDecide.com](http://www.NemaDecide.com) for more information about NemaDecide or contact Agrifirm tel. +31 88 488 1200, e-mail [info@nemadecide.com](mailto:info@nemadecide.com)

**NemaDecide PCN**  
**NemaDecide Plus**

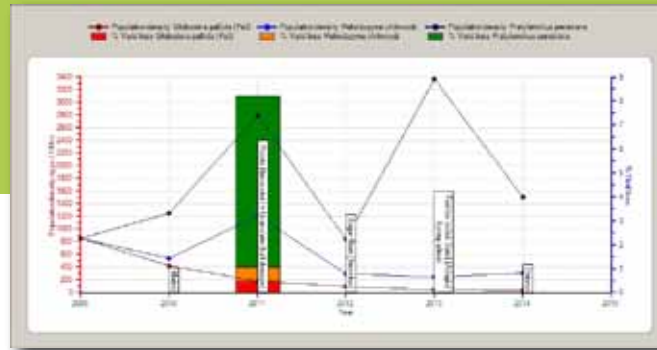


## For potato growing with a future

**NemaDecide is a software-based nematode advisory system that is indispensable for all potato growers, whether they grow seed potatoes, starch potatoes or ware potatoes.**

The program supports growers in controlling potato cyst nematodes, root-knot nematodes, and root-lesion nematodes. NemaDecide converts sampling results into informative field infestation levels. The effect of decisions regarding crop rotation and control measures on nematode development and yield loss are presented in a user-friendly manner.

NemaDecide contains extensive information about almost all potato cultivars grown in The Netherlands (over 400 cultivars). Selecting suitable cultivars, based on supplier and/or desired cultivar properties, can be done with ease.



*Population development of three nematode species under different crops and with application of granular nematicide in potato cultivation.*

## NemaDecide PCN

### Seed potatoes

For growers of propagation material, such as seed potatoes, NemaDecide answers important questions such as:

- how do I detect a possible PCN infestation at an early stage,
- which control measures should I use to avoid formal scheduling of my field,
- what is the effect of possible control measures.

### Starch and ware potatoes

Potato cyst nematodes may also cause damage in starch and ware potato fields. NemaDecide provides comprehensive information about control measures that prevent damage and provides details of the costs/benefits of such measures.

## NemaDecide Plus

**Damage may also be caused by non-cyst forming nematodes and by combinations of various nematode species. NemaDecide Plus supports growers in controlling the potato cyst nematode, the Columbia root-knot nematode, *Meloidogyne chitwoodi*, and the root-lesion nematode *Pratylenchus penetrans*.**

Providing good advice to farmers is complicated when several plant-parasitic nematode species occur together. In a simple and easily accessible way NemaDecide demonstrates the effect of cropping plan decisions on the population development of the various nematodes and the damage they cause in potato. NemaDecide enables the user to determine the optimum crop choice and optimum cultivar choice for a field, for the current cropping system as well as for several subsequent crop rotations. Plant protection products can be utilised more efficiently and with better justification.

*Cropping options in NemaDecide.*

