Fertilization
- Spring application of pig manure in potatoes on clay soils
- Application of digested pig manure in potatoes
- Assessment of new mineral fertilizers and application techniques
- Differentiation prescribed nitrogen fertilizer level
- Acceleration of animal manure mineralization

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Soil structure
- Removing compact soil layers in topsoil
- Demonstration on reduction of soil erosion in farmers' fields in loss regions
- Ridge buildup in combination with fertilizer levels

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International
- Businessplan 'Potato chips production facility Sudan'
- Feasibility study new table potato chain in Vietnam
- Feasibility study raw material production for potato chips manufacturing in Vietnam

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September 2008

APPLIED PLANT RESEARCH
WAGENINGEN UR

Applied Plant Research strenghtens

each part of the potato chain

Recently completed and current potato research activities at Applied Plant Research (PPO) of Wageningen University & Research centre in The Netherlands.

Storage research:

- Sprout inhibition, sprout growth regulation and application techniques in potato stores
- Reduction energy use in more potato storage
- Effect of reduced ventilation capacity on distribution efficacy of sprout inhibition compounds (sprouting behavior and weight losses and residue levels)
- Effect of ethylene on seed potatoes in storage and on subsequent production performance

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Pathology

- Dutch umbrella plan for *Phytophthora infestans*; studies on Phytopthora control strategies in potato foliage and tubers
- Studies on the effect of new fungicides released by international crop protection companies
- Effects of chemical compounds on control of *Erwinia* spp.
- Effect of mineral fertilizers on Common scab incidence
- Resistance against wart disease race 1 in ware potato cultivars
- Effect of plant growth regulator Potavit in cvs. Agria and Hansa
- Effect of biofumigation on Common scab, *Verticillium* en *Colletotrichum* in ware potato cultivars

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Nematology

- Promotion of *Globodera* cysts free seed potatoes
- Cultivar testing on susceptibility to spraing transmitted by *Trichodoride* nematodes
- Symptom development of *Meloidogyne chitwoodi* in the potato storage
- Development of a bio-assay for detection of *M. chitwoodi*
- *Trichodoride similis* damage relation studies in potato
- Control of *Pratylenchus pachydermus* in potato cultivation
- Soil health in potato cropping systems
- Biofumigation and biological soil fumigation to control nematodes in potato cropping systems
- Effect of soil fumigation on *Meloidogyne chitwoodi* in potato crops

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aaltjesschema.nl

Quality of potatoes as raw material for the processing industry

- Investigation into factors causing internal necrosis in ware potatoes
- Study on the reduction of black dot in table potatoes
- Effect of mineral fertilization on skin quality
- Effects of chemical and organic compounds on skin quality
- Assessment of skin quality of red skinned potato cultivars
- Performance of ware potatoes grown on loss and sandy soils

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Starch potatoes

- Cultivar assessment on peat and sandy soils
- Effects of pig manure and of digested pig manure on yield of starch potatoes
- Effects of low doses of soil applied chemical control compounds on Rhizoctonia
- Effects of tuber applied compounds on Rhizoctonia
- Effects of pre- and post-emergence applied herbicides
- Moisture supply; potential of Watersense to increase yield levels
- Effects of various tillage methods on yield
- Assessment of new mineral fertilizers and application techniques on yield

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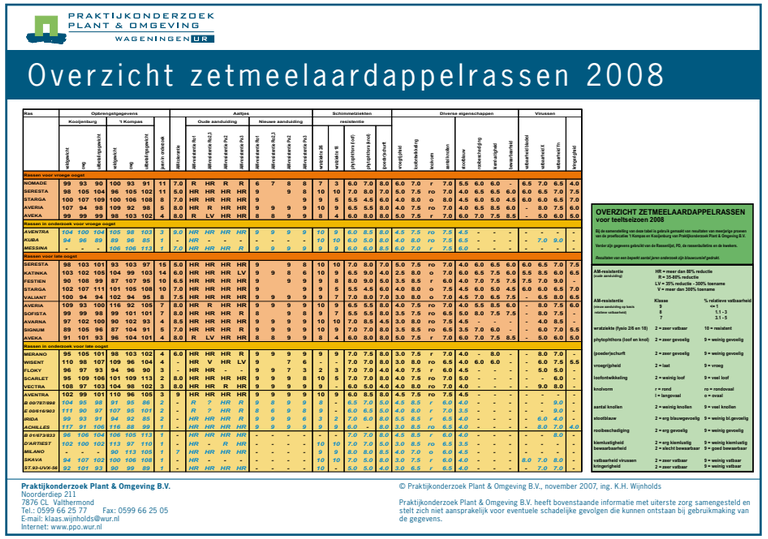
PRAKTIJKONDERZOEK PLANT & OMGEVING
WAGENINGEN UR

Overzicht zetmeelaardappelrassen 2008

OVERZICHT ZETMEELAARDAPPELRASSEN voor teeltseizoen 2008

Organic potatoes

- Potential of earlier planting to reduce impact of Phytophthora
- Sprouting behaviour and advancing planting time
- Taste, sprouting behaviour and disease susceptibility of organic potato cultivars

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