

# Science and Advice for Scottish Agriculture

## Helping Scotland Grow

### SASA - Science to Support Industry

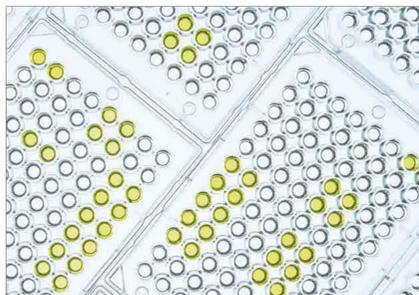
A key activity in the work of SASA is to develop and put into routine use, new and more sensitive diagnostic tests for pests and diseases. Most of its research activities are dependent on the use of molecular biology techniques, such as nucleic acid sequencing, fingerprinting and real-time PCR; exploiting the technology available in its state-of-the-art laboratories.



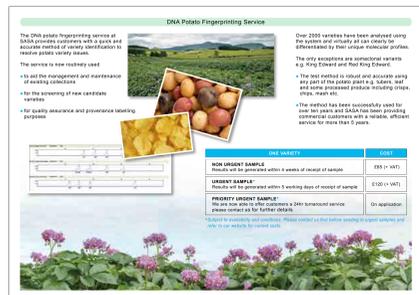
- SASA conducts laboratory testing to support official growing crop and tuber inspections
- SASA offers scientific testing in support of export to meet phytosanitary conditions specific to importing countries
- SASA provides a DNA Potato fingerprinting service for potato breeders, growers and to the processing industry.
- SASA provides both advice and an official diagnostic service for a range of potato virus species and bacterial plant pathogens of potato.



Tuber testing in the pathology laboratory.



Seriological testing for potato viruses.

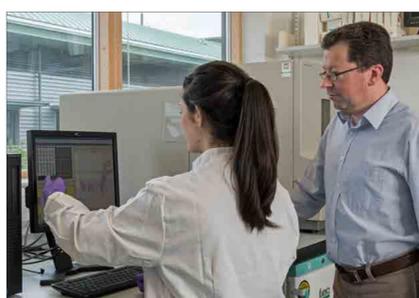


DNA potato fingerprinting service.

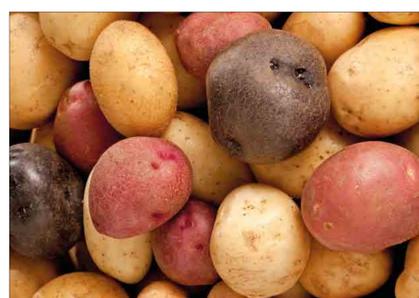
- SASA's Monoclonal Antibody Unit, produces ELISA reagents for European and non-indigenous potato viruses selling to more than 17 countries around the World
- SASA is strategically placed to conduct applied R&D on Scottish crops and the pest and pathogens which affect them.



Freeze dried potato plant material in 40mg glass vials.



Real Time PCR testing.



Mixed varieties of seed potato tubers.

For further information, contact John Ellicott: [john.ellicott@sasa.gsi.gov.uk](mailto:john.ellicott@sasa.gsi.gov.uk)



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