

Animal and Plant Health Agency

APHA Genetic Modification Inspectorate

Growing season field inspection report: consent 22/R29/01 (2022 release)

A report of a field inspection visit to an experimental genetically modified (GM) crop trial to assess compliance with Part VI of the Environmental Protection Act 1990 and the Genetically Modified Organisms (Deliberate Release) Regulations 2002.

GMO consent details

Consent reference: 22/R29/01 ('Part B' consent)

Consent holder: The Sainsbury Laboratory

Crop type: potato (*Solanum tuberosum* L.)

Site details: Bawburgh, Norwich

OS Reference: TG 150 087

Details of the GMO: The genetically modified organisms (GMOs) are potatoes (*Solanum tuberosum* L. - including but not limited to cultivars Maris Piper and Charlotte) transformed with one or a combination of the following genes:

- *Rpi-vnt1.1* from *Solanum venturii*
- *Rpi-amr3* from *Solanum Americanum* (both domesticated and non-domesticated)
- *Rpi-amr1* from *Solanum Americanum* (both domesticated and non-domesticated)
- *Ry_{sto}* from *Solanum stoloniferum*
- p-*Agp* promoter from *Solanum tuberosum*
- Sense and anti-sense fragments of *Ppo* from *Solanum tuberosum*
- Sense and anti-sense fragments of *Vlnv* from *Solanum tuberosum*
- Spacer sequence between sense and antisense fragments from *Solanum tuberosum*
- p-*Gbss* promoter from *Solanum tuberosum*
- *NRC6* from *Solanum lycopersicum*
- *Hero* from *Solanum lycopersicum*
- The *CSR* allele of *ALS* from *Solanum lycopersicum*
- *NptII* and p-*bla* promoter from *Escherichia coli*
- Isopentenyl transferase (*ipt*) gene from *Agrobacterium tumefaciens*
- Extra Ti plasmid left border sequence from *Agrobacterium tumefaciens*
- Dummy and end-linker sequences of synthetic origin

Purpose of the release: To test field performance of the novel potato plants.

Site inspection details

Inspection date: 21/07/2022

Site reference: TSL-22/R29/01-SITE01-2022-INSP_01

Staff seen: Lead Researcher

Inspection details: The Genetic Modification Inspectorate carried out an inspection, during the growing season, of this 2022-planted research trial of GM potato. Checks were made on the location, size and layout of the plots, the arrangements in place for growing-season management and monitoring, plans for harvesting and disposal, and plans for the post-trial period. All were in accordance with the requirements specified in the consent.

Conclusions and actions

Report conclusions: The Genetic Modification Inspectorate is content that the release is consistent with the conditions and limitations specified in the consent. No risks to human health or the environment, posed by the genetically modified organism, were identified.

Action taken: None

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