## Field inspection of Part B deliberate release to assess compliance with Part VI Environmental Protection Act 1990 and the Genetically Modified Organisms (Deliberate Release) Regulations 2002

**Consent reference** 17/R29/01

**Consent holder** The Sainsbury Laboratory.

**Species** Potato (*Solanum tuberosum* L.)

### Details of the GMO

The authorisation is for the experimental release of potatoes transformed with one or more of the following genes:

- *Rpi-vnt1.1* from *Solanum venturii*
- *Rpi-amr3i* from *Solanum americanum*
- *Rpi-amr1e* from *Solanum americanum*
- *Oc-1AD86* from *Oryza sativa*
- Sequence coding for a repellent peptide – synthetic
- Sense and anti-sense fragments of *Ppo* from *Solanum tuberosum*
- Sense and anti-sense fragments of *Vlnv* from *Solanum tuberosum*
- Sense and anti-sense fragments of *Ast1* from *Solanum tuberosum*
- The CSR allele of *ALS* from *Solanum lycopersicum*
- *NptII* from *Escherichia coli*

The 2018 release involves trialling 15 separate genetically modified (GM) plant lines, plus wild type controls, to investigate the resistance of the genetically modified organisms (GMOs) to the late blight pathogen *Phytophthora infestans*.

### APHA report number

17/R29/01_2018-INSP_01

**Site details** Norwich Research Park, Norwich NR4 7UH.

**OS Reference** TG 179 075

**Site inspection date** 20/09/2018

**Site inspection number** TSL-17/R29/01-2018-INSP_01

**Staff seen** Lead Researcher.

**Inspection details** The Genetic Modification Inspectorate carried out a growing season inspection of this 2018-sown research trial of GM potato. Checks were made on the size and layout of the GM plots, isolation from other potato plants, arrangements in place for growing-season monitoring, and plans for harvesting and post-harvest monitoring. All were in accordance with the requirements specified in the consent.

### 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 GMOs, were identified.

**Action taken** None.