

Animal and Plant Health Agency

APHA Genetic Modification Inspectorate

Growing season field inspection report: consent 19/R52/02 (2019 release)

A report of a 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 GMO consent details

Consent reference: 19/R52/02

Consent holder: John Innes Centre

Species: Wheat (*Triticum aestivum*)

Details of the GMO: Wheat plants transformed with DNA sequence encoding an iron transporter (vacuolar iron transporter II; Ta VIT2) from wheat. The plants may also contain antibiotic resistance marker genes: hygromycin phosphotransferase from the bacterium *Escherichia coli* (which includes a CAT-1 intron from the plant, *Ricinus communis*) and neomycin phosphotransferase I from the bacterium *Escherichia coli*.

Purpose of the release: The aim of the trial is to investigate the ectopic over-expression of the wheat vacuolar iron transporter gene (TaVIT2-D) in the endosperm of wheat grains and to determine its effect on micronutrient accumulation and agronomic performance in the field. Releases are authorised to take place between 1 March 2019 and 31 December 2022.

APHA report number 19/R52/02-01 INSP 01 (2019)

Site inspection details

Site details Norwich Research Park, Norwich

OS Reference TG 179 075

Inspection date: 04/06/2019

Site reference: 19/R52/02-2019-01

Staff seen: Consent Holder

Inspection details: The Genetic Modification Inspectorate carried out an inspection of this 2019-planted research trial of GM wheat. The growth stage of the plants was between the booting stage and half way through anthesis. Checks were made on the size and layout of

the GM plots and non-GM pollen barrier, the arrangements in place for growing-season monitoring (including checking the 20m border), and plans for harvest, disposal, and post-harvest monitoring. 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 by the consent. No risks to human health or the environment, posed by the genetically modified organism, were identified.

Action taken: None

APHA GM Inspectorate

07/06/2019