



SITE INSPECTION TO ASSESS COMPLIANCE WITH PART VI ENVIRONMENTAL PROTECTION ACT 1990 AND THE GENETICALLY MODIFIED ORGANISMS (DELIBERATE RELEASE) REGULATIONS 1992, AS AMENDED

Consent Reference	:	00/R23/7
Consent Holder	:	Scottish Crop Research Institute
Release Details	:	Potato Transformed for altered starch and sugar metabolism, glycoalkaloid metabolism and plant growth regulation.
SASA Site Number	:	S037
Site Details	:	Liff, Dundee
OS Reference	:	NO 351 324
Crop Grown	:	Potato
Report Number	:	1 (Final)
Site Inspection Date	:	31.07.01
Site Inspection Number	:	V052
Staff Seen	:	Consent Holder, Estate Manager, 2 Scientists
Inspection Details	:	<p><u>Active field trial</u> The trial logbook for the trial was inspected. Records were thorough and kept in chronological order. The Inspectors could establish and were satisfied that the trial had been supervised appropriately.</p> <p>Plant health assessments had been routinely conducted. Samples of diseased plants had been removed from the release site and sent to SASA's Virology Section for analysis. All material following analysis was autoclaved at SASA. On confirmation of infection, SCRI removed diseased plants from the trial and destroyed them by autoclaving.</p> <p>A field inspection was conducted. The GM trials were separated by a minimum of 10 metres of bare ground from the adjoining potato trials. Emerging potato volunteers were found within a 9-metre cordon around the release site. The Estate Manager confirmed that these plants would not be allowed to develop into mature plants. The soil surrounding the release site would be re-worked.</p>
Report Conclusions	:	With one caveat, the Inspectorate were satisfied that the trials were being conducted in accordance with the consent. No issues of harm to human health and the environment were identified.
Action Taken	:	1. A trial plan of the active trial for 00/R23/7 would be requested. This was asked for on 01.08.01.
	07.08.01	Following correspondence by email, the consent holder reported that the number of GM plants released had exceeded the estimated number intended for release. This had resulted from planting additional GM control plants but the Inspectorate was satisfied that the original risk assessment was not altered by the minor difference

in numbers.

09.08.01 The Inspectorate sought clarification that all the control lines only contained inserted genes described in the risk assessment.

09.08.01 The consent holder confirmed that the GM control lines only contained empty vectors and were part of the risk assessment assessed by ACRE. No additional inserted genes were involved.

Since the legislation specifies that approximate numbers of GMOs for release be given, the Inspectorate will write to the consent holder insisting that in future the numbers of released plants be kept in line with those given in the risk assessment.

2. The consent holder was asked to inform the Inspectorate if SCRI intended to sell the release site.

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<i>Consent Reference</i>	:	00/R23/7
<i>Consent Holder</i>	:	Scottish Crop Research Institute
<i>Release Details</i>	:	Potato Transformed for altered starch and sugar metabolism, glycoalkaloid metabolism and plant growth regulation.
<i>SASA Site Number</i>	:	S043
<i>Site Details</i>	:	Liff, Dundee
<i>OS Reference</i>	:	NO 347 325
<i>Crop Grown</i>	:	Potato
<i>Report Number</i>	:	37 (1 Final)
<i>Site Inspection Date</i>	:	24.07.02
<i>Site Inspection Number</i>	:	V078
<i>Staff Seen</i>	:	Consent Holder, Estate Manager, 1 Scientist
<i>Inspection Details</i>	:	<p>During the inspection the Inspectorate was given a site plan.</p> <p>The Inspectorate verified that members of staff involved in the release have access to the consent document.</p> <p>The grid reference for the site was correct and the site was within the maximum permitted area.</p> <p>Th Inspectorate established that the site could be identified in subsequent years.</p> <p>The trial contained 53 transgenic lines including vector only controls. The number of plants released in the trial complied with conditions of the consent.</p> <p>Maris Piper guard rows surrounded the trial. There was also a bare fallow strip all round the trial block which exceeded the 9 meters required under the consent conditions.</p> <p>Material has been removed from the trial. 14 plants (off-types) and also leaf samples for analyses. All material removed from the trial will be destroyed by autoclaving.</p> <p>The Inspectorate noted volunteer potato plants on the outside of the trial within the 9 metres isolation distance. The Inspectorate informed SCRI that these should be removed.</p> <p>The trial drill was cleaned and checked after every plot. This is done thoroughly as a matter of routine for all trials not only GM work.</p> <p>Excess harvested tubers are kept In the SCRI potato trail seed store in accordance with the consent conditions. This store is supervised by two members of SCRI staff aware of the GM nature of the seed. Excess tubers will be destroyed by autoclaving. The Inspectorate asked to be informed by SCRI when the tuber destruction takes place.</p>
<i>Report Conclusions</i>	:	The site was being managed according to the conditions laid out in the consent and no issues of harm to either human health or the environment were identified.
<i>Actions</i>	:	1. Volunteers on the west side of the trial to be grubbed, or

chemically controlled.

2. The Inspectorate will write to SCRI requesting to be informed of when the excess seed tubers currently in storage are destroyed.

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<i>Consent Reference</i>	:	00/R23/7
<i>Consent Holder</i>	:	Scottish Crop Research Institute
<i>Release Details</i>	:	Potato Transformed for altered starch and sugar metabolism, glycoalkaloid metabolism and plant growth regulation.
<i>SASA Site Number</i>	:	S043
<i>Site Details</i>	:	Liff, Dundee
<i>OS Reference</i>	:	NO 347 325
<i>Crop Grown</i>	:	Fallow
<i>Report Number</i>	:	58 (1 Final)
<i>Site Inspection Date</i>	:	17.07.03
<i>Site Inspection Number</i>	:	V119
<i>Staff Seen</i>	:	Consent Holder and Research Officer
<i>Inspection Details</i>	:	<u>Post-harvest monitoring</u> The trial logbook was inspected and found to be satisfactory. The site was monitored on a monthly basis. Mechanical and chemical control measures for potato volunteers were regular and effective. Potato volunteers that were removed from the site were steam-sterilised and placed in a dedicated skip. Disposal certificates were retained in the trial records. The volunteer control programme was continuing. The site was inspected. Two potato volunteers were found.
<i>Report Conclusions</i>	:	The site was being managed according to the conditions laid out in the consent and no issues of harm to either human health or the environment were identified.
<i>Actions</i>	:	None required

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<i>SASA Site Number</i>	:	S037
<i>Site Details</i>	:	Liff, Dundee
<i>OS Reference</i>	:	NO 351 324
<i>Crop Grown</i>	:	Fallow
<i>Report Number</i>	:	57 (1 Final)
<i>Site Inspection Date</i>	:	17.07.03
<i>Site Inspection Number</i>	:	V118
<i>Staff Seen</i>	:	Consent Holder and Research Officer
<i>Inspection Details</i>	:	<u>Post-harvest monitoring</u> The trial logbook was inspected and found to be satisfactory. The site was monitored on a monthly basis. Mechanical and chemical control measures for potato volunteers were regular and effective. Potato volunteers that were removed from the site were steam-sterilised and placed in a dedicated skip. Disposal certificates were retained in the trial records. The volunteer control programme was continuing. The site was inspected. No potato volunteers were found.
<i>Report Conclusions</i>	:	The site was being managed according to the conditions laid out in the consent. No issues of harm to either human health or the environment were identified.
<i>Actions</i>	:	None required.