



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/R14/8
Consent Holder	:	Scottish Agricultural College
Release Details	:	Spring Oilseed Rape Two spring oilseed rape lines genetically modified to produce lauric (line 1) and herbicide tolerance with pollen sterility and pollen fertility restorer genes (line 2).
SASA Site Number	:	036
Site Details	:	Tillycorthie, Aberdeenshire
OS Reference	:	NJ 907 214
Crop Grown	:	Spring Oilseed Rape
Report Number	:	1 (Final)
Site Inspection Date	:	24.07.01
Site Inspection Number	:	046
Staff Seen	:	Trial Officer, Scientist
Inspection Details	:	<p>The trial logbook was inspected and found to be in order. The trial was sown on 3 May 2001. Details of seed handling and field operations were recorded. The site had been regularly visited and field sampling was underway.</p> <p>The Inspectorate visited the Seed Handling Unit of the consent holder with a view to inspecting the stored seed for the trial. The seed could not be located.</p> <p>A field inspection was conducted. There were two GM trials in the field. The remainder of the field was fallow. Winter wheat will be sown in these areas in September/October 2001. To the north-west of the field there was a crop of winter oilseed rape. This was beyond 50 metres from the trial. There were no commercial crops of spring oilseed rape within 50 metres of the GM plots. Oilseed rape and Charlock volunteers had emerged and were flowering within the trial, in the 50 metres separation distance and in the area beyond. At the time of the inspection the trial surrounds and the fallow area beyond was being chopped to prevent seed set. The maximum area of the release site (3 ha) had not been exceeded. Trial identification markers were in position on one of the walls of the field.</p>
Report Conclusions	:	The research and development trial was being run in accordance with the conditions of the consent. No issues of harm to either human health or the environment were identified.
Action Taken	:	<ol style="list-style-type: none">1. The trial officer was asked to locate the spare seed for the trial.
	13.08.01	The Consent holder located the trial seed. It is labelled appropriately and several copies of the risk assessment/ emergency procedures are placed with the seed.
		<ol style="list-style-type: none">2. The consent holder was asked to update the grid reference to a 6 figure reference.
	26.09.01	The consent holder forwarded a six figure reference (NJ 907 214) to the Joint Regulatory Authority, DEFRA.





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SASA Site Number	:	S036
Site Details	:	Tillycorthie, Aberdeenshire
OS Reference	:	NJ 907 214
Crop Grown	:	Spring Oilseed Rape
Report Number	:	42 (1 Final)
Site Inspection Date	:	29.07.02
Site Inspection Number	:	V087
Staff Seen	:	Study Director and Scientific Staff
Inspection Details	:	<p>The Inspectorate interviewed the Study Director for the trial over the procedures and management of the trial.</p> <p>The trial is situated on the same release site as the 2001 sowing. The release site was clearly identifiable.</p> <p>The trial was sown on 25.04.02 and the area of the trial, 1.7 ha, was in accordance that permitted by the consent. There was no excess seed at sowing as an Öyjord Plot drill was used which ensures that all the seed is discharged at the end of each plot. The drill was cleaned after completion of sowing on the site as per SAC protocols for conducting GM trials.</p> <p>During the course of PCR tests resulting from a management audit SAC reported to the Inspectorate that the Liberty Link (Line 2) contained the adventitious GM elements pNOS and NptII. SAC were unable to identify the GM traits associated with these elements before it was anticipated that the plots would flower. As a revised risk assessment could not take account of these unknown events, the Scottish Executive considered that SAC could be in possession of a GMO not covered by the consent. The Inspectorate asked on 25.06.02 that SAC destroy the plots of Line 2 prior to flowering. SAC reported that on 28.06.02 the relevant plots had been mown and that a follow-up spray of paraquat had been applied on 5.07.02.</p> <p>A field inspection was conducted. The trial was at seed development stage (Growth stage: 6.3, most seed green.)</p> <p>There are no commercial crops of oil seed rape within 50 metres of the release site. The trial staff regularly removes charlock and volunteer oilseed rape plants found within the 50 separation distance.</p> <p>The destruction of the contaminated plots was verified. In some instances regrowth from cut plants was close to flowering (mainly yellow bud (3.7).</p>



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| <i>Report Conclusions</i> | : | The trials were being conducted in accordance with the conditions of the consent. No risks to human health or the environment were identified |
| <i>Actions</i> | : | The Inspectorate will request continual surveillance of the destroyed plots for Line 2 to ensure flowering does not take place and that the separation distance concerning wild relatives of oilseed rape be maintained. |



SITE INSPECTION TO ASSESS COMPLIANCE WITH PART VI ENVIRONMENTAL PROTECTION ACT 1990 AND THE GENETICALLY MODIFIED ORGANISMS (DELIBERATE RELEASE) (SCOTLAND) REGULATIONS 2002

Consent Reference	:	00/R14/8
Consent Holder	:	Scottish Agricultural College
Release Details	:	Spring Oilseed Rape Two spring oilseed rape lines genetically modified to produce lauric (line 1) and herbicide tolerance with pollen sterility and pollen fertility restorer genes (line 2).
SASA Site Number	:	S036
Site Details	:	Tillycorthie, Aberdeenshire
OS Reference	:	NJ 907 214
Crop Grown	:	Spring Oilseed Rape and Cereals
Report Number	:	55 (1 Final)
Site Inspection Date	:	2.07.03
Site Inspection Number	:	V116
Staff Seen	:	Study Director and Scientific Staff
Inspection Details	:	<p>The site is a three year rotation trail and so is situated on the same release site as the 2001 sowing. The release site was clearly identifiable. The site had been harvested in autumn 2002 followed by a period of monitoring it was then ploughed in spring 2003 prior to sowing.</p> <p>The trial was sown according to the conditions of the consent, however, the GM line (Ms8×Rf3) found, during the 2002 growing season, to contain additional GM events not notified under the consent was not used in the 2003 sowing. This line was replaced by the non-GM spring oilseed rape variety Maskot.</p> <p>The site was drilled using a plot drill which was thoroughly cleaned after sowing. Seed was sent to the field in precisely measured sealed packets for each plot therefore no spare seed remained after sowing.</p> <p>As with the previous year no compatible crops were growing within the separation distance. The site and separation distance had been frequently monitored for volunteers and wild relatives, however, there were charlock plants and a few oilseed rape volunteers present. These plants will not enter the food chain. The consent holder had applied repeated herbicide to control these species, however, complete control had not yet been achieved.</p> <p>The Inspectorate examined the trial log for the site and were content that the management of the site was compliant with the consent conditions.</p>
Report Conclusions	:	The trials were being conducted in accordance with the conditions of the consent. No risks to human health or the environment were identified
Actions	:	No action required



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<i>SASA Site Number</i>	:	S036
<i>Site Details</i>	:	Tillycorthie, Aberdeenshire
<i>OS Reference</i>	:	NJ 907 214
<i>Crop Grown</i>	:	Spring Oilseed Rape and Cereals
<i>Report Number</i>	:	63 (1 Final)
<i>Site Inspection Date</i>	:	11.06.04
<i>Site Inspection Number</i>	:	V135
<i>Staff Seen</i>	:	
<i>Inspection Details</i>	:	<p>The final harvest of the rotation trial had taken place on 12.09.03. Harvested seed was removed for incineration. Harvesting machinery had been appropriately cleaned after harvest.</p> <p>The site had undergone appropriate post harvest management. The site had been left fallow over winter and been ploughed in the spring followed by sowing of a spring cereal crop. During the field inspection volunteer oilseed rape plants were observed, however, these were showing signs of herbicide damage. The Inspectorate would ask the consent holder to confirm that the herbicide had effectively controlled the volunteers.</p>
<i>Report Conclusions</i>	:	The trial site was being managed in accordance with the conditions of the consent. No risks to human health or the environment were identified
<i>Actions</i>	:	The Inspectorate would request verification of volunteer control. The Consent holder confirmed that the chemical control of volunteers, applied on 27.05.04, had been effective.