

# Spring 2002 GM Sugar Beet Farm Scale Evaluations – Individual Site Assessments

Consent: 99/R22/16

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**Site assessments to check compliance with  
Part VI Environmental Protection Act 1990 and the  
Genetically Modified Organisms (Deliberate Release) Regulations  
1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Bradenham, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 940 087
Nearest settlement	Bradenham

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF940087	0.1	6.0	73.4	13.6	2.3	0.4	1.3	0.1

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.4	0.0	0.0	0.0	0.0	0.0	2.2

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Burnham Market, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 845 398
Nearest settlement	Burnham Market

**Description of site ecosystem**

General site description	In a coastal area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF845398	0.1	7.3	73.3	11.0	1.4	0.1	1.4	0.1

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.6	0.5	0.4	0.2	0.1	0.0	3.0

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Spring 2002 Farm Scale Evaluations

**Site: Daffy Green, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 947 093
Nearest settlement	Daffy Green

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF947093	0.1	7.3	70.8	15.1	2.4	0.5	1.5	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.2	0.1	0.0	0.0	0.0	0.0	2.0

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Spring 2002 Farm Scale Evaluations

**Site: East Raynham, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 893 262
Nearest settlement	East Raynham

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF893262	0.2	7.3	67.2	14.3	3.5	0.6	1.4	0.3

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.6	0.2	0.0	0.0	0.1	0.0	4.1

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Spring 2002 Farm Scale Evaluations

**Site: West Raynham, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 848 254
Nearest settlement	West Raynham

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF848254	0.1	4.8	70.8	14.0	2.9	0.4	1.6	0.3

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	1.4	0.2	0.0	0.0	0.1	0.0	3.3

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Saham Hills, Norfolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 930 050
Nearest settlement	Saham Hills

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF930050	0.2	6.8	71.7	13.4	3.0	0.4	1.5	0.1

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.5	0.0	0.0	0.0	0.1	0.0	2.1

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Spring 2002 Farm Scale Evaluations

**Site: Benwick, Cambridgeshire**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TL 314 904
Nearest settlement	Benwick

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TL314904	0.4	3.0	91.5	4.0	0.5	0.0	0.0	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Spring 2002 Farm Scale Evaluations

**Site: Comberton, Kidderminster, Worcestershire**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	SO 855 767
Nearest settlement	Comberton, Kidderminster

**Description of site ecosystem**

General site description	In an area of arable farmland with some managed grassland and suburban development.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
SO855767	3.63	19.95	36.56	22.45	1.2	0.05	1.37	0.32

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0	0.41	2.41	0	0	0.05	0	5.51

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	No. Database and environmental data did not identify any local factors that may alter the risk assessment.
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Risby, Suffolk**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TL 815 665
Nearest settlement	Risby

**Description of site ecosystem**

General site description	In an area of arable farmland with some woodland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TL815665	2.0	9.7	46.7	25.8	5.2	0.0	0.3	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	2.0	1.9	0.0	0.0	0.3	0.0	5.6

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	Yes (5 <sup>th</sup> March 2002)
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Part VI Environmental Protection Act 1990 and the  
Genetically Modified Organisms (Deliberate Release) Regulations  
1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Kirkby la Thorpe, Lincolnshire**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 097 445
Nearest settlement	Kirkby la Thorpe

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF097445	0.6	10.3	75.9	8.6	0.8	0.1	1.3	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.2	0.3	0.0	0.0	0.1	0.0	1.6

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	Yes (4 <sup>th</sup> March 2002)
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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Genetically Modified Organisms (Deliberate Release) Regulations  
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Spring 2002 Farm Scale Evaluations

**Site: Scamblesby, Lincolnshire**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	TF 270 780
Nearest settlement	Scamblesby

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
TF270780	0.1	5.1	69.8	18.2	2.1	0.2	2.2	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.8

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	Yes (4 <sup>th</sup> March 2002)
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown

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1992 (1995 and 1997) as amended.**

Spring 2002 Farm Scale Evaluations

**Site: Sudbrook, Lincolnshire**

Genetically Modified Organisms	Herbicide tolerant sugar beet
Consent holder and reference number	Monsanto plc; 99/R22/16
Grid reference	SK 962 446
Nearest settlement	Sudbrook

**Description of site ecosystem**

General site description	In an area of arable farmland.
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**Detailed breakdown of landuse types**

Density (hectares/sq.km) of land cover within a 5 km radius around the proposed trial site

	Urban	Suburban	Tilled land	Managed grassland	Rough grass	Bracken	Heath grass	Open shrub heath
SK962446	5.5	14.8	56.1	15.3	1.2	0.0	0.2	0.0

Bog	Coniferous woodland	Inland bare	Salt marsh	Coastal bare	Inland water	Sea/ estuary	Deciduous woodland
0.0	1.1	0.8	0.0	0.0	0.1	0.0	3.8

Site(s) of Special Scientific Interest (SSSI) within 1 km	No
Size compliant with maximum area permitted by consent	Yes (less than 10 ha)
Site visited	Yes (4 <sup>th</sup> March 2002)
Is the site compliant with the original risk assessment?	Yes. The location is in arable farmland where sugar beet is normally grown