

ANNEX A

Florasulam

List of the tests and studies evaluated

A.1 Identity

A.1.1 Identity of the active substance (Annex IIA 1; Annex IIIA 1, 3.1 to 3.4)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 1.11	Boothroyd, S, Characterisation of XDE-570 Technical Batch Number TSN 100298 Interim Report: Assay, Differential Scanning Calorimetry and Initial Mass Spectrometry DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DA, February 1994	GHE-P-3395	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Characterisation of XDE-570 Pure Batch Number DECO-293-021 Interim Report: Assay, Differential Scanning Calorimetry and Initial Mass Spectrometry DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DB, March 1994	GHE-P-3517 R	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Knowles, S Reassay of XDE-570 (Tech), TSN 100298 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DD, August 1994	GHE-P-3718	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Ghosh, D, Knowles, S, Characterisation of XDE-570 Pure Batch Number DECO-293-021: Summary Report DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DB, February 1996a	GHE-P-4703	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Ghosh, D, Knowles, S, Characterisation of XDE-570 Technical Batch Number TSN 100298: Summary Report DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DA, February 1996b	GHE-P-4702	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Knowles, S, Characterisation of XDE-570 5-Hydroxy, Batch A1151-3 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DH, February 1996	GHE-P-4759	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Knowles, S, Re-analysis of XDE-570 Analytical Standard, DECO-293-021 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DJ, March 1996a	GHE-P-4761	Yes	Unpublished protected
IIA 1.11	Boothroyd, S, Knowles, S, Re-analysis of XDE-570 Analytical Standard, TSN100298 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DI, March 1996b	GHE-P-4760	Yes	Unpublished protected
IIA 1.11	Knowles, S, Re-analysis of XDE-570 Technical, TSN 100511 DowElanco Europe, Letcombe Regis, Oxon, UK P97-034, July 1997	GHE-P-6448	Yes	Unpublished protected
IIA 1.11	Knowles, S, Droussopoulos, C, Characterisation of XDE-570 Technical, TSN 100298 DowElanco Europe, Letcombe Regis, Oxon, UK P98-066, August 1998	GHE-P-7307	Yes	Unpublished protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 1.11	Knowles, S, Ghosh, D, Five Batch Characterisation of XDE-570 Technical DowElanco Europe, Letcombe Regis, Oxon, UK P97-007, November 1997	GHE-P-6447	Yes	Unpublished protected
IIA 1.11	Knowles, S, Olive, C, Characterisation of XDE-570 Technical , TSN 100529 DowElanco Europe, Letcombe Regis, Oxon, UK P98-054, July 1998	GHE-P-7286	Yes	Unpublished protected
IIA 1.11	Knowles, S, Olive, C, Characterisation of XDE-570 Technical , TSN 100318 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DK April 1999	GHE-P-7813	Yes	Unpublished protected
IIA 1.11	Knowles, S, Richardson, N, Portwood, D, Olive,C, Five Batch Characterisation of XDE-570 Technical DowElanco Europe, Letcombe Regis, Oxon, UK P98-066, August 1998	GHE-P-7307	Yes	Unpublished protected
IIA 1.11	Richardson, N, Boothroyd, S, Knowles, S, Characterisation and Purity Determination of XDE-570 Technical Batch Number TSN 100511 DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DC, February 1995	GHE-P-3814	Yes	Unpublished protected
IIA 1.11	Richardson, N, Knowles, S, Ghosh, D, Characterisation of XDE-570 5-Hydroxy (DECO-393-053) as a Secondary Standard DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DE, July 1995a	GHE-P-4050	Yes	Unpublished protected
IIA 1.11	Richardson, N, Knowles, S, Ghosh, D, Characterisation of XDE-570 5-Hydroxy (DK1-B550-16) as a Secondary Standard DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DF, July 1995b	GHE-P-4049	Yes	Unpublished protected

A.1.2 Identity of the formulation EF-1343 (Annex IIIA 1, 3.1 to 3.7, 3.9 and 12.1)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
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A.2 Physical and chemical properties

A.2.1a Physical and chemical properties of the active substance (Annex IIA 2)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
IIA 2.5.1	Boothroyd, S., Ghosh, D., Knowles, S., Characterisation of XDE-570 Pure Batch Number DECO-293-021: Summary Report DowElanco Europe, Letcombe Regis, Oxon, UK 93030/DB, February 1996	GHE-P-4703	Yes	Unpublished Protected
IIA 2.11.2	Comb, AL, XDE-570 (Technical): Relative Self-Ignition Temperature for Solids Huntingdon Life Sciences, Eye, Suffolk, UK DWC902/970482, September 1997	GHE-P-6452	Yes	Unpublished Protected
IIA 2.1.1 IIA 2.3.1 IIA 2.6 IIA 2.7 IIA 2.8	Cowlyn, TC, XDE-570 (Pure) : Determination of Physico-chemical Properties Pharmaco::LSR, Eye, Suffolk, UK 94/DES179/0560, February 1995	GHE-P-3668	Yes	Unpublished Protected
IIA 2.3.2	Ghosh, D, Determination of Henry's Law Constant for DE-570 DowElanco Europe, Letcombe Regis, Oxon, UK P97-073, December 1997a	GHE-P-6788	Yes	Unpublished Protected
IIA 2.10	Ghosh, D, Estimation of Photochemical Oxidation of DE-570 DowElanco Europe, Letcombe Regis, Oxon, UK P97-072, December 1997b	GHE-P-6787	Yes	Unpublished Protected
IIA 2.9.1	Jackson, R, Portwood, D, The Aqueous Hydrolysis of XR-570 DowElanco Europe, Letcombe Regis, Oxon, UK None stated, December 1993	GHE-P-3326	No	Unpublished Protected
IIA 2.3.2	Madsen S. Calculation of the Henry's Law Constant for DE-570 from pH 5, 7, and 9 Buffered Water Dow AgroSciences LLC, Formulation, Sciences & Technology, Indianapolis, Indiana June 1999	NAFST087	No	Unpublished Protected
IIA 2.2 IIA 2.9.4	Niemtus, K, XDE-570 (Pure) : Determination of Physico-Chemical Properties Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 93030/CJ; 95/DES282/0813, February 1996b	GHE-P-4909	Yes	Unpublished Protected
IIA 2.11.1 IIA 2.13 IIA 2.15	Niemtus, K, XDE-570 Technical : Determination of Physico-Chemical Properties Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 93030/CI; 95/DES283/0827, February 1996a	GHE-P-4910	Yes	Unpublished Protected
IIA 2.9.1	Phillips, M, The Determination of the Hydrolytic Stability of Radiolabelled XDE-570 Inveresk Research International Ltd, Tranent, Scotland, UK 386209, September 1996	GHE-P-4986	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
IIA 2.4.1 IIA 2.4.2 IIA 2.14	Sydney, P, XDE-570: Determination of Physico-Chemical Properties Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 93030/CL; 96/DES396/0863, August 1996	GHE-P-5530	Yes	Unpublished Protected
IIA 2.9.2 IIA 2.9.3	Yoder, RN, Aqueous Photolysis of XDE-570 in Natural Sunlight DowElanco, Indianapolis, Indiana 46268, USA ENV95023, March 1996	GH-C 3951	Yes	Unpublished Protected
IIA 2.9.2 IIA 2.9.3	Yoder R. N. Comparative Photolysis of DE-750 Under Xenon Light and Natural Sunlight Global Environmental Chemistry Laboratory - Indianapolis Lab Dow Agro Sciences LLC, Indianapolis, Indiana July 1998	GH-C 4751	No	Unpublished Protected

A.2.1b Physical and chemical properties of the metabolites (Annex IIA 2)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience es Report No.	GLP GEP	Published Protected
IIA 2.3.1 IIA 2.6 IIA 2.7 IIA 2.8 IIA 2.9.4	Niemtus, K, XDE-570 5-Hydroxy Metabolite : Determination of Physico-Chemical Properties Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 93030/CH; 95/DES279/0812, February 1996c	GHE-P-4908	Yes	Unpublished Protected

A.2.2 Physical and chemical properties of the formulation EF 1343 (Annex IIIA 2)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GE P	Published Protected
IIIA 2.1.1 IIIA 2.4.1 IIIA 2.4.2 IIIA 2.5.2 IIIA 2.6.1 IIIA 2.7.1 IIIA 2.8.3.1 IIIA 2.8.5	Banks, G, Accelerated Storage Stability Test (CIPAC MT 46.1.3) for XDE-570 50 g/l SC Herbicide, EF-1343 DowElanco Europe, Letcombe Regis, Oxon, UK GHE-P-4714, January 1996	GHE-P-4714	Yes	Unpublished Protected
IIIA 2.2.2 IIA 2.3	Comb, A, Determination of physico-chemical properties for DE-570 50G/L SC herbicide, EF-1343 DowAgrosciences Europe, Letcombe Regis, Oxon, UK	GHE-P-7221	Yes	Unpublished Protected
IIIA 2.9.1	Fowles, AM, Dilution Compatibility of EF-1343, (DE-570 50 g/l SC), with Commercially Available Agrochemical Products DowElanco Europe, Letcombe Regis, Oxon, UK 93023/DC, October 1997	GHE-P-6472	Yes	Unpublished Protected
IIIA 2.9.2	Knowles, S, XDE-570 g/l Formulation Tank Test to Determine the Effect of Potential Mixing Partners on Chemical Stability DowElanco Europe, Letcombe Regis, Oxon, UK 95017, September 1995	GHE-P-4547	No	Unpublished Protected
IIIA 2.2.2	McGrath, G, Foster, N, Differential Scanning Calorimetry of DE-570 50 g/l SC Herbicide, EF-1343 DowElanco Europe, Letcombe Regis, Oxon, UK 93023, December 1997	GHE-P-6499	Yes	Unpublished Protected
IIIA 2.8.4	McGrath, G, Dilution Stability of DE-570 50 g/l SC Herbicide, EF-1343 DowElanco Europe, Letcombe Regis, Oxon, UK 93023, December 1997	GHE-P-6883	No	Unpublished Protected
IIIA 2.9.1	Smith, G, Dilution Compatability of EF-1343 with Commercially Available Agrochemical Products DowElanco Europe, Letcombe Regis, Oxon, UK FST:93023, July 1995	GHE-P-4467	No	Unpublished Protected
IIIA 2.1.2 IIIA 2.2.1 IIIA 2.5.3 IIIA 2.8.2 IIIA 2.8.3.2 IIIA 2.8.8.2	Sydney, P, Determination of Physico-Chemical Data Properties of DE-57050 g/l SC Herbicide, EF-1343 Huntingdon Life Sciences Ltd, Eye, Suffolk, IP23 7PX, England 95023/CA, October 1996	GHE-P-6232	Yes	Unpublished Protected
IIIA 2.7.3	Turri, E, Olive, C, Packaging stability trial for DE-570 50 g/l Herbicide, EF-1343. Interim Results DowElanco Europe, Kings Lynn, UK KLP-97-005, October 1997	GHE-P-6402	Yes	Unpublished Protected

A.3 Data on application and further information

A.3.1 Data on application and further information on the active substance (Annex IIA 3)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 3.6	Brown, J G, Booth, C, Gaunt, M, A glasshouse evaluation of the susceptibility of sulfonyl urea resistant <i>Stellaria media</i> to triazolopyrimidine sulphonanilide herbicides DowElanco Europe, Letcombe Regis, Oxon, UK B93H108, October1993	GHE-P-4200	No	Unpublished Protected
IIA 3.5.3	deBoer, G J, Thornburgh, S, Cleveland, J, Ehr, R J, Comparative metabolism and phytotoxicity of XDE-570 and X528157 in wheat and weeds. DowElanco, Indianapolis, Indiana, USA None stated, October 1996	DEI 0328	No	Unpublished Protected
IIA 3.5.1	Ehr, R J, Schmitzer, P R, Gray, J A, The activity of DE-570 and soil metabolites of DE-570 on acetolactate synthase, <i>Lemna minor</i> and <i>Agrostitis palustris</i> . DowElanco Indianapolis, Indiana, USA None stated, July 1997	DEI 60598	No	Unpublished Protected
IIA 3.6	Gerwick, B C, Subramanian, M, Martin, E J, Tanguay, LD, Loney, V I, Cross-resistance in chlorsulfuron tolerant <i>Stellaria</i> and <i>Kochia</i> populations. The Dow Chemical Company, Midland, Michigan, USA None stated, July 1989	GS-2164	No	Unpublishe dProtected
IIA 3.6	Spencer, C, Cranstone, K, Glasshouse experiment(s) to determine if sulfonylurea resistant biotypes of <i>Stellaria media</i> vary in their sensitivity to various ALS inhibitors, and whether fluroxypyr is a potential tool in resistance management strategies - Letcombe, 1996-1997. DowElanco Europe, Letcombe Regis, Oxon, UK B96H207,September 1996	GHE-P-5575	No	Unpublished Protected

A.3.2 Data on application and further information on the formulation EF-1343 (Annex IIIA 3 and 4)

The following reports are quoted in Point 3: copies of these reports are not included in the submission but are available on request.

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 3.8.4	Ballard N, EA95D5A017 - Replicated trials to evaluate the carryover potential of XDE-570 (EF-1343, 50gai/l, SC) to crops of sugar beet and winter field beans following application to the previous cereal crop in the UK - 1995-1996. DowElanco Europe, Hitchin, UK EA95D5A017/ H4795, December 1996	GHE-P-6093R	Yes	Unpublished Protected
IIIA 3.8.4	Booth, C J.G.Brown, Quantification of residues of DE-570 in field derived soils using a lentil bioassay method. Letcombe 1996 DowElanco Europe, Letcombe Regis, Oxon, UK BH96H109, February 1997	GHE-P-5582R	Yes	Unpublished Protected
IIIA 3.2.1	Brown J G, Fullick K L, Summary report of greenhouse evaluations to determine the spray drift damage potential of XDE-570 formulations EF-1343, EF-1381 and EF-1383 in comparison to Granstar and 2,4-D ethyl hexyl ester on 21 crops - Letcombe, 1997. DowElanco Europe, Letcombe Regis, Oxon, UK B97H102 A/B/C/D, April 1997a	GHE-P-6174	No	Unpublished Protected
IIIA 3.2.1 IIIA 3.8.2	Brown JG, Booth C, Gaunt M, Determination of the soil concentration no effect levels of XR-570 on crop germination and growth DowElanco Europe, Letcombe Regis, Oxon, UK B93H102, January 1995	GHE-P-3895R	No	Unpublished Protected
IIIA 3.8.2	Brown J G, Fullick K L, Definition of the crop selectivity of N-(2,6-diflorophenyl) - 8-fluoro-5-hydroxy-(1,2,4)-triazolo (1,5C) pyrimidine-2-sulfonamide when present in irrigation water DowElanco Europe, Letcombe Regis, Oxon, UK EA97D5A060, August 1997b	GHE-P-6491R	Yes	Unpublished Protected
IIIA 3.8.4	Brown J G, Booth C, Evaluation of the effect of soil residue concentration of XDE-570 on the growth of oilseed rape under greenhouse conditions. DowElanco Europe, Letcombe Regis, Oxon, UK B94H107, February 1995	GHE-P-3875	No	Unpublished Protected
IIIA 3.8.2	Brown J G, Cranstone K, Reassessment of the soil concentration no observable effect level of XDE-570 against <i>Medicago sativa</i> and <i>Vicia faba</i> DowElanco Europe, Letcombe Regis, Oxon, UK B95H131, April 1996	GHE-P-4659	No	Unpublished Protected
IIIA 3.8.4	Brown JG, Booth C, Cranstone K, Gaunt M, Fullick K, XDE-570 - the bioassay evaluation of residuality in European soils	GHE-P-3850	No	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	DowElanco Europe, Letcombe Regis, Oxon, UK B93H109, July 1995			
IIIA 3.8.5	Callens, D, Bulcke, R, Cools, K, Soil persistence of the new herbicide H94.04 (DE-570) to replacement crops in field experiments conducted in Melle, Belgium by the University of Ghent during the period 1994-1997 Ghent University, Belgium Not stated, 1997	GHE-P-6859	Yes	Unpublished Protected
IIIA 3.2.2	deBoer GJ, Ehr RJ, The comparative uptake, translocation, and metabolism of DE-570 in wheat (<i>Triticum aestivum</i>) and Galium (<i>Galium aparine</i>) DowElanco North America, , Indianapolis, Indiana None stated, October 1996	DEI 61013	No	Unpublished Protected
IIIA 3.2.2	deBoer GJ, Thornburgh S, Cleveland J, Ehr RJ, Comparative metabolism and phytotoxicity of XDE-570 and X528157 in wheat and weeds. Dow AgroSciences Internal Report, 1996 DowElanco North America, , Indianapolis, Indiana None stated, October 1996	DEI 0328	No	Unpublished Protected
IIIA 3.2.1 IIIA 3.8.2	Ehr RJ, Alexander AL, The activity of DE-570 in herbicide, insecticide and fungicide screening tests and the herbicidal activity of DE-570 soil metabolites DowElanco North America, , Indianapolis, Indiana None stated, 1997	DEI 60600	No	Unpublished Protected
IIIA 3.8.2	Ehr RJ, Schmitzer PR, Gray JA, The activity of DE-570 and soil metabolites of DE-570 on acetolactate synthase, <i>Lemna minor</i> and <i>Agrostitis palustris</i> DowElanco North America, , Indianapolis, Indiana None stated, July 1997	DEI 60598	No	Unpublished Protected
IIIA 3.8.2	Goodliffe J P, Cranstone K G, Assessment of the phytotoxicity of the 5-hydroxy, soil metabolite of XDE-570 to major, European rotational crops DowElanco Europe, Letcombe Regis, Oxon, UK B96H212, January 1997	GHE-P-5580	Yes	Unpublished Protected
IIIA 4.2	Jackson, S, To Determine a Spray Tank Washing Regime for XDE-570 DowElanco Europe, Kings Lynn, UK To be issued	GHE-P-6791	Y*	Unpublished Protected
IIIA 3.2.1	Jacquet V, Selectivity and efficacy of XDE-570 (EF-1289) applied post-plant pre-emergence or post-emergence to a summer crop and weed screen - France, 1994 DowElanco Europe, France EA94D5A013, April 1995	GHE-P-4274	No	Unpublished Protected
IIIA 3.8.4	Larelle D, An evaluation of the carryover effect of the herbicide EE1000 applied to cereals and followed by DowElanco Europe, Letcombe Regis, Oxon, UK B96H212, January 1997	GHE-P-6832	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	oilseed rape - a summary of two years trials 1995-1997. Promovert, France EA95D5A017, 1997			
IIIA 3.8.4 IIIA 3.8.5	Leader A, To evaluate XDE-570 (EF-1343) carryover in a crop failure situation - UK, 1997. DowElanco Europe, Letcombe Regis, Oxon, UK 97D5A017, August 1997	GHE-P-6529	Yes	Unpublished Protected
IIIA 3.8.4	Luras M, Daniau P, Residuality of Pronto and XDE-570 to following crop sugar beet and endive after cereal application - France, 1995-1996. DowElanco Europe< France 5MECSG, August 1997a	GHE-P-5625	Yes	Unpublished Protected
IIIA 3.8.4	Luras M, Daniau P, Residuality of Pronto and XDE-570 applied in cereal in a following crop of alfalfa established after a superficial soil work - France, 1995-1996. DowElanco Europe, \France 5MECSH, August 1997b	GHE-P-5626	Yes	Unpublished Protected
IIIA 3.8.4 (see IIA 4.2.2)	Maycock, R, Roberts, R, Wright, D, A Comparison of Three Analytical Methods (immunochemical, LC/MS-MS and Bioassay) to Determine the Bioavailable Residues of DE-570 from Field Derived Soils DowElanco Europe, Letcombe Regis, Oxon, UK R97-131, October 1997	GHE-P-6365	Yes	Unpublished Protected
IIIA 3.8.4	Maycock, R, Ghosh, D, Todd, N, Residues of XDE570 and its 5-hydroxy Metabolite in Nine European Soils Derived from European Carryover Assessment Trials Conducted in 1993 DowElanco Europe, Letcombe Regis, Oxon, UK R95-085, December 1997	GHE-P-6597	No	Unpublished Protected
IIIA 3.8.4	Metson P, XDE-570 carryover potential to following crops of oilseed rape following ploughing or minimum cultivation - Europe, 1995 DowElanco Europe, Letcombe Regis, Oxon, UK EA95D5A018, August 1996	GHE-P-5761	Yes	Unpublished Protected
IIIA 3.8.1	Ouse DG, Ehr RJ , Factors affecting the rate of degradation of XDE-570 in soil DowElanco North America, , Indianapolis, Indiana None stated, June 1994	DEI 0092	No	Unpublished Protected
IIIA 3.2.1	Paterson E, To evaluate XDE-570 pre and post in a crop and weed screen - Europe, 1994. DowElanco Europe, Letcombe Regis, Oxon, UK EA94D5A013, August 1994	GHE-P-3854	No	Unpublished Protected
IIIA 3.8.5	Richard C, XDE-570 minimum safe planting intervals for following crops in the event of crop failure - France, 1995. DowElanco Europe, \France	GHE-P-5791	No	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	EA95D5A019, 1997			
IIIA 4.2	Roberts, R, Olive, C, Evaluation of Sprayer Tank Rinsings for DE-570 using Immunoassay DowElanco Europe, Letcombe Regis, Oxon, UK To be issued	GHE-P-6791	Y*	Unpublished Protected
IIIA 4.2	Roberts, R, Olive, C, Evaluation of Sprayer Tank Rinsings for DE-570 using Immunoassay DowElanco Europe, Letcombe Regis, Oxon, UK FST:93023, October 1997	GHE-P-6501	Y*	Unpublished Protected
IIIA 3.8.4	Straszewski A E, Schmolke E, Tsakonas P, Paterson E, Nagy P, Richard C, Jacquet V , To determine the carryover potential of XR-570 to following crops - Europe 1993/94. DowElanco Europe, Letcombe Regis, Oxon, UK EA93D5A006-9, October 1994	GHE-P-4016R	No	Unpublished Protected
IIIA 3.8.2 IIIA 3.8.4	Straszewski A, To evaluate XDE-570 laboratory versus field no effect level on oilseed rape - UK, 1994 DowElanco Europe, Letcombe Regis, Oxon, UK EA94D5A015, July 1995	GHE-P-3876	No	Unpublished Protected
IIIA 3.2.1 IIIA 3.8.4	Turner, I, H475 - XDE-570 carryover potential to following crops of sugar beet and winter field beans - UK, 1995/1996 Levington Agriculture, UK H4795, January 1996	GHE-P-6163	No	Unpublished Protected
IIIA 3.8.4	Turner IDS, Carryover potential of DE-570 (EF-1343) to following crops of winter oilseed rape grown under normal agronomic conditions Levington, UK EA97D5A027, Awaiting issue	GHE-P-6768	No	Unpublished Protected
IIIA 3.8.4	Turner I D S, Carryover potential of DE-570 (EF-1343) to following crops of winter oilseed rape grown under normal agronomic practice - UK 1996-1997. Levington Agriculture, UK EA96D5A018, September 1997	GHE-P-6611	No	Unpublished Protected
IIIA 4.1.2 IIIA 4.1.3 (see IIIA 2.7.3)	Turri, E, Olive, C, Packaging stability trial for DE-570 50 g/l Herbicide, EF-1343. Interim Results DowElanco Europe, Kings Lynn, UK KLP-97-005, October 1997	GHE-P-6402	Yes	Unpublished Protected

Y* = conducted to the spirit of GLP

A.4 Methods of analysis

A.4.1 Methods of analysis for the active substance (Annex IIA 4)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 4.2.4 IIIA 5.2.4	Bolton A, Determination of DE-570 residues in air samples Dow AgroSciences, Letcombe Laboratory, Letcombe Regis, Wantage, Oxon, UK. ERC 97.21, February 1998	ERC 97.21	No	Unpublished Protected
IIA 4.2.3 IIIA 4.2.3	Butcher, S, Determination of XDE-570 Residues in Drinking Water DowElanco Europe, Letcombe Regis, Oxon, UK ERC 95.19, June 1995	ERC 95.19	Yes	Unpublished
IIA 4.2.1 IIIA 4.2.1	Butcher, S, Independent Validation of DowElanco Analytical Method ERC 95.6 for the Determination of XDE-570 Residues in Wheat and Barley CEM Analytical Services Ltd, North Ascot, Berkshire, UK CEMR-507, February 1996	GHE-P-5036	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Butcher, S, Gibson, R, Ghosh, D, Determination of the Residues of XDE-570 and its 5-Hydroxy Metabolite in Soil DowElanco Europe, Letcombe Regis, Oxon, UK ERC 96.23, September 1996	ERC 96.23	Yes	Unpublished
IIA 4.2.1 IIIA 4.2.1	Butcher, S, Gibson, R, Hastings, M, Rickard, G, Determination of XDE-570 Residues in Wheat and Barley DowElanco Europe, Letcombe Regis, Oxon, UK ERC 95.6, February 1996	ERC 95.6	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Butcher, S, Wright, DR, Bratby, B, Abrar, M, Determination of Residues of XDE-570 and 5-hydroxy XDE-570 in Soil using Organic Extraction DowElanco Europe, Letcombe Regis, Oxon, UK ERC 96.21, February 1997	ERC 96.21	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Gambie, A; McLaughlin, E, Determination of Residues of DE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK RV97-014, December 1997	ERC 97.07		Unpublished
IIA 4.2.2 IIIA 4.2.2	Ghosh, D, Maycock, R, Todd, M, Brewin, S, Abrar, M, Determination of Residues of XDE-570 and 5-hydroxy XDE-570 in Soil Using Organic Extraction DowElanco Europe, Letcombe Regis, Oxon, UK ERC 95.1, April 1996	ERC 95.1	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Ghosh, D, Maycock, R, Wright, DR, Bratby, B, Abrar, M, Determination of Residues of XDE-570 and 5-hydroxy XDE-570 in Soil using Aqueous Extraction	ERC 95.2	Yes	Unpublished

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	DowElanco Europe, Letcombe Regis, Oxon, UK ERC 95.2, February 1997			
IIA 4.2.3 IIIA 4.2.3	Gibson, R, Butcher, S, Determination of the Residues of XDE-570 and its 5-Hydroxy Metabolite in Drinking Water DowElanco Europe, Letcombe Regis, Oxon, UK ERC 96.14, August 1996a	ERC 96.14	Yes	Unpublished
IIA 4.2.3 IIIA 4.2.3	Gibson, R, Butcher, S, Determination of the Residues of XDE-570 and its 5-Hydroxy Metabolite in Surface Water DowElanco Europe, Letcombe Regis, Oxon, UK ERC 96.15, August 1996b	ERC 96.15	Yes	Unpublished
IIA 4.2 IIIA 4.2	Hastings, M, Schmidt, F, Examination of the Applicability of DFG Method S 19 for the Determination of XDE-570: Analytical Preliminaries DowElanco Europe, Letcombe Regis, Oxon, UK REV96-003, September 1997	GHE-P-6427	Yes	Unpublished Protected
IIA 4.1.1	Knowles, S, DE-570 Herbicidal Chemical DowElanco Europe, Letcombe Regis, Oxon, UK EU-AM-97-001, November 1997a	EU-AM-97-001	Yes	Unpublished Protected
IIA 4.1.2	Knowles, S, The Determination of a Range of Impurities in DE-570 Technical DowElanco Europe, Letcombe Regis, Oxon, UK EU-AM-97-002, November 1997b	EU-AM-97-002	Yes	Unpublished Protected
IIA 4.1.2	Knowles, S, Determination of Process Solvents in Technical Grade DE-570 DowElanco Europe, Letcombe Regis, Oxon, UK EU-AM-97-008, November 1997c	EU-AM-97-008	Yes	Unpublished Protected
IIA 4.1.1	Madsen, S, Calculation of the limits of detection of DE-570 impurities for validated methods EU-AM-97-002 and EU-AM-008: Supplemental information for European Union registration Dow AgroSciences LLC, Formulation, Sciences & Technology, Indianapolis, Indiana NAFST088, June 1999	NAFST088	Yes	Unpublished Protected
IIA 4.2.3 IIIA 4.2.3	Maycock, R, Gibson, R, Roberts, R, Determination of Residues of XDE-570 in Ground, Surface and Drinking water using a Magnetic Particle-Based Immunoassay Test Kit DowElanco Europe, Letcombe Regis, Oxon, UK RV96-039, May 1997a	GHE-P-5534	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Maycock, R, Gibson, R, Roberts, R, Validation of Analytical Method ERC 97.04 - Determination of Bioavailable Residues of DE-570 in Soil Using a Magnetic Particle-Based Immunoassay Test Kit DowElanco Europe, Letcombe Regis, Oxon, UK	GHE-P-6355	Yes	Unpublished

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	RV97-012, August 1997b			
IIA 4.2.2 IIIA 4.2.2	Maycock, R, Roberts, R, Wright, D, A Comparison of Three Analytical Methods (immunochemical, LC/MS-MS and Bioassay) to Determine the Bioavailable Residues of DE-570 from Field Derived Soils DowElanco Europe, Letcombe Regis, Oxon, UK R97-131, October 1997	GHE-P-6365	Yes	Unpublished Protected
IIA 4.2.5 IIIA 4.2.5	Nicholson, A, Marshall, DE, Determination of DE-570 Residues in Human Plasma and Urine Inveresk Research International, Tranent, Scotland, UK 365435, December 1997	ERC 97.15	Yes	Unpublished Protected
IIA 4.2.3 IIIA 4.2.3	Roberts, R, Independent Laboratory Validation of an Analytical Method for the Determination of Residues of XDE-570 in Drinking Water CEM Analytical Services Ltd, North Ascot, Berkshire, UK CEMR-467, October 1995	GHE-P-4781	Yes	Unpublished
IIA 4.2.3 IIIA 4.2.3	Roberts, R, Determination of XDE-570 Concentrations in Drinking Water using both LC/UV and Immunoassay Methods DowElanco Europe, Letcombe Regis, Oxon, UK CEMR-468; R95-142, April 1996	GHE-P-4774	Yes	Unpublished
IIA 4.2.2 IIIA 4.2.2	Roberts, R, Maycock, R, Gibson, R, Determination of Bioavailable Residues of DE-570 in Soil Using a Magnetic Particle-Based Immunoassay Test Kit DowElanco Europe, Letcombe Regis, Oxon, UK ERC 97.04, August 1997	ERC 97.04	Yes	Unpublished

A.4.2 Methods of analysis for the formulation EF-1343 (Annex IIIA 5)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 5.1.1	Boothroyd, S, XDE-570 SC Herbicide DowElanco Europe, Letcombe Regis, Oxon, UK EU-AM-96-005, May 1997	EU-AM-96-005	Yes	Unpublished Protected

A.5 Toxicology and metabolism (Annex IIA 5; Annex IIIA 7)

A.5.1 Toxicology and metabolism of the active substance (Annex IIA 5)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 5.1.2	Bounds, SVJ, XDE-570: Dermal Absorption of [¹⁴ C] XDE-570 in Male Fischer 344 Rats Following Exposure to Undiluted EF-1343 and a Spray Solution Huntingdon Life Sciences Ltd, Eye, Suffolk, UK DWC891/972958, October 1997	GHE-T-828	Yes	Unpublished Protected
IIA 5.2.1.2	Brooks, KJ, XDE-570: Acute Oral Toxicity Study in CD-1 Mice The Dow Chemical Company, Midland, Michigan, USA 971070, May 1997	DR-0312-6565-034	Yes	Unpublished Protected
IIA 5.2.3	Clements, CM, Cieszlak, FS, XDE-570: Acute Aerosol Inhalation Toxicity Study with Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA DECO-HET DR-0312-6565-015, March 1995	DECO-HET DR-0312-6565-015	Yes	Unpublished Protected
IIA 5.3.1.3	Dalgard, D, XDE-570: Palatability Study in Beagle Dogs Corning Hazleton Inc., Vienna, Virginia, USA CHV 174-154, November 1995	DR-0312-6565-009	Yes	Unpublished Protected
IIA 5.1.1	Dryzga, MD, Stewart, HS, Hansen, SC, Brzak, KA, XR-570: Tissue Distribution and Metabolism of ¹⁴ C-Labelled XR-570 in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA DR 0312-6565-014, November 1996	DR 0312-6565-014	Yes	Unpublished Protected
IIA 5.2.2	Gilbert, KS, XDE-570: Acute Dermal Toxicity Study in New Zealand White Rabbits The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-012D, June 1995a	DR-0312-6565-012D	Yes	Unpublished Protected
IIA 5.2.4	Gilbert, KS, XDE-570: Primary Dermal Irritation Study in New Zealand White Rabbits The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-012B, June 1995b	DR-0312-6565-012B	Yes	Unpublished Protected
IIA 5.2.5	Gilbert, KS, XDE-570: Primary Eye Irritation Study in New Zealand White Rabbits The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-012C, June 1995c	DR-0312-6565-012C	Yes	Unpublished Protected
IIA 5.2.6	Gilbert, KS, XDE-570: Dermal Sensitisation Potential in the Hartley Albino Guinea Pig	DR-0312-6565-012E	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-012E, June 1995d			
IIA 5.2.1.1	Gilbert, KS, Yano, BL, XDE-570: Acute Oral Toxicity Study in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-012A, June 1995	DR-0312-6565-012A	Yes	Unpublished Protected
IIA 5.1.1	Hansen, SC, XDE-570: Distribution and Metabolism of ¹⁴ C-Labeled XDE-570 in Selected Tissues at Plasma C _{max} and C _{1/2max} and in Bile Following Oral Administration in Fischer 344 rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-029, September 1997	DR-0312-6565-029	Yes	Unpublished Protected
IIA 5.2.6	Johnson, I, XDE-570: Skin Sensitisation in the Guinea-pig Huntingdon Life Sciences Ltd, Huntingdon, Cambridgeshire, UK DWC 738/962306/SS, November 1996	GHE-T-661	Yes	Unpublished Protected
IIA 5.5.1	Johnson, KA, Haut, KT, Stebbins, KE, XDE-570: Two-Year Chronic Toxicity/Oncogenicity Study in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan 48674, USA DR-0312-6565-019, November 1997	DR-0312-6565-019	Yes	Unpublished Protected
IIA 5.4.1.1	Lawlor, TE, Mutagenicity Test on XDE-570 in the Salmonella- <i>Escherichia coli</i> / Mammalian- Microsome Reverse Mutation Assay Preincubation Method with a Confirmatory Assay Corning Hazleton Inc, Vienna, Virginia, USA 16246-0-422R, December 1995	DR-0312-6565-(16)	Yes	Unpublished Protected
IIA 5.6.2.1	Liberacki, AB, Breslin, WJ, Stebbins, KE, XDE-570: Oral Gavage Teratology Probe Study in CD Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-024, June 1996	DR-0312-6565-024	Yes	Unpublished Protected
IIA 5.6.2.1	Liberacki, AB, Carney, EW, XDE-570: Oral Gavage Teratology Study in CD Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-027, June 1997	DR-0312-6565-027	Yes	Unpublished Protected
IIA 5.6.1	Liberacki, AB, Carney, EW, Kociba, RJ, XDE-570: Two Generation Dietary Reproduction Study in CD rats The Dow Chemical Company, Midland, Michigan, USA	DR-0312-6565-028	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	DR-0312-6565-028, November 1997			
IIA 5.3.2.1	Liberacki, AB, Johnson, KA, Breslin, WJ, XDE-570: 13-Week Dietary Probe Study in CD Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-025, September 1996b	DR-0312-6565-025	Yes	Unpublished Protected
IIA 5.4.2	Lick, SJ, Gollapudi, BB, Kropscott, B, Evaluation of XDE-570 in the Mouse Bone Marrow Micronucleus Test The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-013, March 1995	DR-0312-6565-013	Yes	Unpublished Protected
IIA 5.4.1.3	Linscombe, VA, Okowitt, DW, Kropscott, BE, Evaluation of XDE-570 in an In Vitro Chromosomal Aberration Assay Utilising Rat Lymphocytes The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-007, January 1995 b	DR-0312-6565-007	Yes	Unpublished Protected
IIA 5.4.1.2	Linscombe, VA, Okowitt, DW, Kropscott, BE, Evaluation of XDE-570 in the Chinese Hamster Ovary Cell/Hypoxanthine-Guanine-Phosphoribosyl Transferase (CHO/HGPRT) Forward Mutation Assay The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-006, January 1995 a	DR-0312-6565-006	Yes	Unpublished Protected
IIA 5.8.2.1	Mattsson, JL, McGuirk, RJ, Yano, BL, XDE-570: Acute Neurotoxicity Study in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-022, January 1997	DR-0312-6565-022	Yes	Unpublished Protected
IIA 5.5.2	Quast, JF, Haut, K, Kociba, R, XDE-570: Two-Year Oncogenicity Study in B ₆ C ₃ F ₁ Mice The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-020, December 1997	DR-0312-6565-020	Yes	Unpublished Protected
IIA 5.3.2.1	Redmond, JM, Johnson, KA, XDE-570: 13-Week Dietary Toxicity and 4-Week Recovery Study in F344 Rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-011, January 1996a	DR-0312-6565-011	Yes	Unpublished Protected
IIA 5.3.2.2	Redmond, JM, Johnson, KA, XDE-570: 13-Week Dietary Toxicity Study in B ₆ C ₃ F ₁ Mice The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-010, January 1996b	DR-0312-6565-010	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 5.3.3.3	Scortichini, BH, Kociba, RJ, XDE-570: 28-Day Repeated Dose Dermal Toxicity Study in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA 970142, July 1997	DR-0312-6565-033	Yes	Unpublished Protected
IIA 5.8.2.2	Shankar, MR, Johnson, KA, XDE-570: Chronic Neurotoxicity Study in Fischer 344 rats The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-019N, September 1996	DR-0312-6565-019N	Yes	Unpublished Protected
IIA 5.3.2.3	Stebbins, KE, Amended report for XDE-570: Thirteen-Week Dietary Toxicity Study in Beagles The Dow Chemical Company, Indianapolis, Indiana, USA DR-0312-6565-021, November 1997b	DR-0312-6565-021	Yes	Unpublished Protected
IIA 5.3.2.4	Stebbins, KE, XDE-570: One Year Dietary Toxicity Study in Beagle Dogs The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-026, October 1997a	DR-0312-6565-026	Yes	Unpublished Protected
IIA 5.3.2.3	Sullivan, JM, Singleton, NC, XDE-570: Thirteen-Week Dietary Toxicity Study in Beagles The Dow Chemical Company, Indianapolis, Indiana, USA DR-0312-6565-021, September 1995	DR-0312-6565-021	Yes	Unpublished Protected
IIA 5.3.1.3	Sullivan, JM, Singleton, NC, XDE-570: Exploratory Four-Week Dietary Toxicity Study in Beagles The Dow Chemical Company, Indianapolis, Indiana, USA DR-0312-6565-018, June 1995a	DR-0312-6565-018	Yes	Unpublished Protected
IIA 5.3.1.2	Szabo, JR, Davis, NL, XR-570: Two-Week Repeated Dose Dietary Toxicity Study in B ₆ C ₃ F ₁ Mice The Dow Chemical Company, Freeport, Texas, USA DR-0312-6565-002, February 1992	DR-0312-6565-002	Yes	Unpublished Protected
IIA 5.3.1.1	Szabo, JR, Davis, NL, XR-570: Two-Week Repeated Dose Dietary Toxicity Study in Fischer 344 Rats The Dow Chemical Company, Freeport, Texas, USA DR-0312-6565-003, February 1993	DR-0312-6565-003	Yes	Unpublished Protected
IIA 5.6.2.2	Zablotny, CL, Carney, EW, XDE-570: Oral Gavage Teratology Study in New Zealand White Rabbits The Dow Chemical Company, Midland, Michigan, USA 96022, August 1997	DR-0312-6565-031	Yes	Unpublished Protected
IIA 5.6.2.2	Zablotny, CL, Quast JF, XDE-570: Oral Gavage Teratology Probe Study in New Zealand White Rabbits	DR-0312-6565-023	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Rabbits The Dow Chemical Company, Midland, Michigan, USA DR-0312-6565-023, November 1996			

A.5.2 Toxicology and metabolism of the formulation EF-1343 (Annex IIIA 7)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 7.3 (see IIA 5.1.2)	Bounds, SVJ, XDE-570: Dermal Absorption of [¹⁴ C] XDE-570 in Male Fischer 344 Rats Following Exposure to Undiluted EF-1343 and a Spray Solution Huntingdon Life Sciences Ltd, Eye, Suffolk, UK DWC891/972958, October 1997	GHE-T-828	Yes	Unpublished Protected
IIIA 7.1.1	Haut, KT, Brooks, KJ, DE-570 50 g/l SC Herbicide: Acute Oral Toxicity Study in Fischer 344 Rats The Dow Chemical Company, Midland, Michigan, USA 971064, June 1997a	DR-0355-9486-001	Yes	Unpublished Protected
IIIA 7.1.1	Haut, KT, Brooks, KJ, DE-570 50 g/l SC Herbicide: Acute Oral Toxicity Study in CD-1 Mice The Dow Chemical Company, Midland, Michigan, USA 971063, June 1997b	DR-0355-9486-001	Yes	Unpublished Protected
IIIA 7.1.5	Haut, KT, Brooks, KJ, DE-570 50 g/l SC Herbicide: Acute Primary Eye Irritation Study in New Zealand White Rabbits The Dow Chemical Company, Midland, Michigan, USA 971065, June 1997c	DR-0355-9486-002	Yes	Unpublished Protected
IIIA 7.1.1	Johnson, IR, EF-1343 (XDE-570 50 SC): Acute Oral Toxicity Study in the Rat Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 95/DES312/0908, February 1996a	GHE-T-609	Yes	Unpublished Protected
IIIA 7.1.2 IIIA 7.1.4	Johnson, IR, EF-1343 (XDE-570 50 SC): Acute Percutaneous Toxicity Study in the Rat Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 95/DES313/0906, February 1996b	GHE-T-610	Yes	Unpublished Protected
IIIA 7.1.5	Johnson, IR, EF-1343 (XDE-570 50 SC): Acute Eye Irritation Test in the Rabbit Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 95/DES315/0909, February 1996c	GHE-T-611	Yes	Unpublished Protected
IIIA 7.1.6	Johnson, IR, EF-1343 (XDE-570 50 SC): Delayed Contact Hypersensitivity Study in the Guinea-Pig Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 95/DES316/1400, February 1996d	GHE-T-612	Yes	Unpublished Protected

A.6 Residue data

A.6.1 Residue data for the active substance (Annex IIA 6)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 6.2	Barnekow, DE, Huskin, MA, Nature of the Residue of [¹⁴ C]XDE-570 in Lactating Goats DowElanco, Indianapolis, USA and ABC Laboratories Inc, Columbia, USA MET94017, December 1994a	GH-C 3478	Yes	Unpublished Protected
IIA 6.2	Barnekow, DE, Huskin, MA, Nature of the Residue of [¹⁴ C]XDE-570 in Laying Hens DowElanco, Indianapolis, USA and ABC Laboratories Inc, Columbia, USA MET94018, December 1994b	GH-C 3481	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Wheat at Harvest Following a Single Application of EF-1289, UK - 1994 DowElanco Europe, Letcombe Regis, Oxon, UK R94-115, February 1996a	GHE-P-4813	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-047, May 1996b	GHE-P-5037	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-013, May 1996c	GHE-P-5178	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Soft Wheat at Intervals Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-048, May 1996d	GHE-P-5118	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-010, May 1996e	GHE-P-5133	Yes	Unpublished Protected
IIA6.3	Butcher, S, Residues of XDE-570 in Durum Wheat at Harvest Following a Single Application of EF-1289, Southern France - 1994 DowElanco Europe, Letcombe Regis, Oxon, UK R94-114, June 1996f	GHE-P-5007	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-010, May 1996e	GHE-P-5180	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Germany - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-008, August 1996g			
IIA 6.3	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Germany - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-007, August 1996h	GHE-P-5179	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Wheat at Intervals Following a Single or Double Application of EF-1343, UK - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-050, January 1996a	GHE-P-4811	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Soft Wheat at Intervals Following a Single or Double Application of EF-1343, Northern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-016, February 1996b	GHE-P-4812	Yes	Unpublished Protected
IIA 6.3	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Northern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-017, February 1996c	GHE-P-4869	Yes	Unpublished Protected
IIA 6.3	Butler, RE, Gambie, A, The Stability of DE-570 in Wheat Under Frozen Storage Conditions over 18 months (Interim Report) DowElanco Europe, Letcombe Regis, Oxon, UK ST96-001, November 1997	GHE-P-6782	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Teasdale R, The Stability of DE-570 in Wheat Under Frozen Storage Conditions over 18 months (Final Report) DowElanco Europe, Letcombe Regis, Oxon, UK ST96-001, May 1999	GHE-P-7904	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butcher, S, Gibson, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Spain - 1995 Dow AgroSciences, Letcombe Regis, Oxon, UK R95-045, October 1996	GHE-P-5385	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of DE-570 in Winter Wheat at Harvest Following a Single Application of EF-1343, Spain - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-005, August 1997a	GHE-P-6332	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of DE-570 in Winter Wheat at Harvest Following a Single Application of EF-1343, Spain - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-005, August 1997a	GHE-P-6335	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Barley at Intervals Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-008, August 1997b			Protected
IIA 6.3	Gambie, A, Butler, R, Residues of DE-570 in Winter Soft Wheat at Intervals Following a Single Application of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-115, September 1997c	GHE-P-6343	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of DE-570 in Winter Soft Wheat at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-111, September 1997d	GHE-P-6339	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of DE-570 in Winter Durum Wheat at Harvest Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-113, September 1997e	GHE-P-6341	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-007, September 1997f	GHE-P-6334	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-004, September 1997g	GHE-P-6331	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of DE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-110, September 1997h	GHE-P-6338	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of DE-570 in Winter Barley at Harvest Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-009, September 1997i	GHE-P-6336	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1995 (Final Report) DowElanco Europe, Letcombe Regis, Oxon, UK R95-049, October 1997j	GHE-P-5390	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1995 (Final Report)	GHE-P-5386	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Wheat and Soil at Harvest Following a Single Application of EF-1343, Spain - 1995 Dow AgroSciences, Letcombe Regis, Oxon, UK R95-046, October 1997k			Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-011, November 1997l	GHE-P-6345	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-003, November 1997m	GHE-P-6330	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Soft Wheat and Soil at Harvest Following a Single Application of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-116, November 1997n	GHE-P-6344	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Grain, Straw and Soil at Harvest Following a Single Application of EF-1343 to Winter Wheat, Germany- 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-006, November 1997o	GHE-P-5476	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Soft Wheat and Soil at Harvest Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-112, November 1997p	GHE-P-6340	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-011, November 1997q	GHE-P-5387	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter wheat and Soil at Harvest Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-010, November 1997r	GHE-P-6337	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Harvest Following a Single or Double Application of EF-1343, Germany - 1996 Dow AgroSciences, Letcombe Regis, Oxon, UK RL96-012, November 1997s	GHE-P-6346	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Soft Wheat and Soil at Harvest Following a Single Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-013, November 1997t	GHE-P-5391	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Barley at Harvest Following a Single or Double Application of EF-1343, UK - 1995 (Final Report) DowElanco Europe, Letcombe Regis, Oxon, UK R95-051, November 1997t			Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-002, November 1997u	GHE-P-6329	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-114, November 1997v	GHE-P-6342	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Grain, Straw and Soil at Harvest Following a Single Application of EF-1343 to Winter Barley, Germany - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RF95-009, RL95-009, November 1997w	GHE-P-5477	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-015, November 1997x	GHE-P-5389	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-012, November 1997y	GHE-P-5388	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Spain - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-006, November 1997z	GHE-P-6333	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat at Intervals Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-013, December 1997aa	GHE-P-6347	Yes	Unpublished Protected
IIA 6.3	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-014, December 1997ab	GHE-P-6348	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 6.6	MacDonald, A, The Uptake of XDE-570 into Four Succeeding Crops DowElanco Europe, Letcombe Regis, Oxon, UK 7U, December 1997	GHE-P-4889	Yes	Unpublished Protected
IIA 6.1	Pillar, F, The Metabolism of XDE-570 in Winter Wheat - Final Report DowElanco Europe, Letcombe Regis, Oxon, UK 5U, October 1997	GHE-P-5729	Yes	Unpublished Protected

A.6.2 Residue data for the formulation EF-1343 (Annex IIIA 8)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 8.1 (see IIA 6.2)	Barnekow, DE, Huskin, MA, Nature of the Residue of [¹⁴ C]XDE-570 in Lactating Goats DowElanco, Indianapolis, USA and ABC Laboratories Inc, Columbia, USA MET94017, December 1994a	GH-C 3478	Yes	Unpublished Protected
IIIA 8.1 (see IIA 6.2)	Barnekow, DE, Huskin, MA, Nature of the Residue of [¹⁴ C]XDE-570 in Laying Hens DowElanco, Indianapolis, USA and ABC Laboratories Inc, Columbia, USA MET94018, December 1994b	GH-C 3481	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Wheat at Harvest Following a Single Application of EF-1289, UK - 1994 DowElanco Europe, Letcombe Regis, Oxon, UK R94-115, February 1996a	GHE-P-4813	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-047, May 1996b	GHE-P-5037	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-013, May 1996c	GHE-P-5178	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Soft Wheat at Intervals Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-048, May 1996d	GHE-P-5118	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-010, May 1996e	GHE-P-5133	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Durum Wheat at Harvest Following a Single Application of EF-1289, Southern France - 1994 DowElanco Europe, Letcombe Regis, Oxon, UK R94-114, June 1996f	GHE-P-5007	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Germany - 1995	GHE-P-5180	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	DowElanco Europe, Letcombe Regis, Oxon, UK RL95-008, August 1996g			
IIIA 8.2 (see IIA 6.3)	Butcher, S, Residues of XDE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Germany - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-007, August 1996h	GHE-P-5179	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Wheat at Intervals Following a Single or Double Application of EF-1343, UK - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-050, January 1996a	GHE-P-4811	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Soft Wheat at Intervals Following a Single or Double Application of EF-1343, Northern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-016, February 1996b	GHE-P-4812	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butcher, S, Gibson, R, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Northern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-017, February 1996c	GHE-P-4869	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Butler, RE, Gambie, A, The Stability of DE-570 in Wheat Under Frozen Storage Conditions over 18 months (Interim Report) DowElanco Europe, Letcombe Regis, Oxon, UK ST96-001, November 1997	GHE-P-6782	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butcher, S, Gibson, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Spain - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-045, October 1996	GHE-P-5385	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of DE-570 in Winter Wheat at Harvest Following a Single Application of EF-1343, Spain - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-005, August 1997a	GHE-P-6332	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of DE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-008, August 1997b	GHE-P-6335	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of DE-570 in Winter Soft Wheat at Intervals Following a Single Application of EF-1343, Northern France - 1996	GHE-P-6343	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-115, September 1997c			
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of DE-570 in Winter Soft Wheat at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-111, September 1997d	GHE-P-6339	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of DE-570 in Winter Durum Wheat at Harvest Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-113, September 1997e	GHE-P-6341	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat at Intervals Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-007, September 1997f	GHE-P-6334	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-004, September 1997g	GHE-P-6331	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of DE-570 in Winter Barley at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-110, September 1997h	GHE-P-6338	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of DE-570 in Winter Barley at Harvest Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-009, September 1997i	GHE-P-6336	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1995 (Final Report) DowElanco Europe, Letcombe Regis, Oxon, UK R95-049, October 1997j	GHE-P-5390	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single Application of EF-1343, Spain - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-046, October 1997k	GHE-P-5386	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single Application of EF-1343, UK - 1995	GHE-P-6345	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-011, November 1997l			
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-003, November 1997m	GHE-P-6330	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Soft Wheat and Soil at Harvest Following a Single Application of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-116, November 1997n	GHE-P-6344	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Grain, Straw and Soil at Harvest Following a Single Application of EF-1343 to Winter Wheat, Germany-1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-006, November 1997o	GHE-P-5476	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Soft Wheat and Soil at Harvest Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-112, November 1997p	GHE-P-6340	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Wheat and Soil at Harvest Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-011, November 1997q	GHE-P-5387	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter wheat and Soil at Harvest Following a Single Application of EF-1343, Italy - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-010, November 1997r	GHE-P-6337	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Harvest Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-012, November 1997s	GHE-P-6346	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley at Harvest Following a Single or Double Application of EF-1343, UK - 1995 (Final Report) DowElanco Europe, Letcombe Regis, Oxon, UK R95-051, November 1997t	GHE-P-5391	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single or Double Application of EF-1343, UK - 1996	R96-002	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	Double Application of EF-1343, UK - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-002, November 1997u			
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Northern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-114, November 1997v	GHE-P-6342	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Grain, Straw and Soil at Harvest Following a Single Application of EF-1343 to Winter Barley, Germany - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK RF95-009, RL95-009, November 1997w	GHE-P-5477	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single or Double Application of EF-1343, Southern France - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-015, November 1997x	GHE-P-5389	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, R, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Italy - 1995 DowElanco Europe, Letcombe Regis, Oxon, UK R95-012, November 1997y	GHE-P-5388	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley and Soil at Harvest Following a Single Application of EF-1343, Spain - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK R96-006, November 1997z	GHE-P-6333	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Wheat at Intervals Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-013, December 1997aa	GHE-P-6347	Yes	Unpublished Protected
IIIA 8.2 (see IIA 6.3)	Gambie, A, Butler, RE, Residues of XDE-570 in Winter Barley at Intervals Following a Single or Double Application of EF-1343, Germany - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-014, December 1997ab	GHE-P-6348	Yes	Unpublished Protected
IIIA 8.5 (see IIA 6.6)	MacDonald, A, The Uptake of XDE-570 into Four Succeeding Crops DowElanco Europe, Letcombe Regis, Oxon, UK 7U, December 1997	GHE-P-4889	Yes	Unpublished Protected
IIIA 8.1 (see IIA 6.1)	Pillar, F, The Metabolism of XDE-570 in Winter Wheat - Final Report	GHE-P-5729	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	DowElanco Europe, Letcombe Regis, Oxon, UK 5U, October 1997			

A.7 Environmental fate and behaviour

A.7.1 Environmental fate and behaviour of the active substance (Annex IIA 7)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
IIA 7.1.1.1.1 IIA 7.1.3.1 IIA 7.1.3.2	Baloch, R, Yon, DA, Early Stage Environmental Fate Probes for XR-566 and XR-570 DowElanco Europe, Letcombe Regis, Oxon, UK -, September 1992	GHE-P-2790	No	Unpublished Protected
IIA 7.1.1.1.2 IIA 7.1.1.2.1	Cleveland, CB, Gilbert, JR, Sanders, LT, Anaerobic Aquatic Metabolism Study of XDE-570 DowElanco, Indianapolis, Indiana, USA ENV95137, April 1997	GH-C 4366	Yes	Unpublished Protected
IIA 7.1.1.2.2	Gambie, A, The stability of DE-570 and its 5-hydroxy metabolite in soil under frozen storage conditions. (Letter report). DowElanco Europe, Letcombe Regis, Oxon. UK -, December 1997b	-	Yes	Unpublished Protected
IIA 7.1.1.2.2	Gambie, A, Residues of DE-570 and its 5-hydroxy metabolite in soil at normal harvest following application of EF-1343 to wheat and barley - Europe: 1995 -1996 DowElanco Europe, Letcombe Regis, Oxon. UK GHE-P-6833, December 1997a	GHE-P-6833	Yes	Unpublished Protected
IIA 7.2.1.2	Gibson, R, Degradation of DE-570 in a Natural Lakewater DowElanco Europe, Letcombe Regis, Oxon, UK E97-060, November 1997	GHE-P-6732	Yes	Unpublished Protected
IIA 7.1.1.1.1 IIA 7.1.1.2.1 IIA 7.1.2	Jackson, R, Ghosh, D, The Aerobic Degradation of XDE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK 3U, October 1997	GHE-P-4710	Yes	Unpublished Protected
IIA 7.1.1.1.1	Jackson R., Massart J. The Degradation of DFP-ASTAC and ASTAC (two metabolites of DE-570) in soil Dow AgroSciences, Letcombe Laboratory, Letcombe Regis, Wantage, Oxon, UK E98-025, December 1998	GHE-P-7522	Yes	Unpublished Protected
IIA 7.1.2	Jackson R., Massart J. The Soil Sorption of DFP-ASTAC and ASTAC (two metabolites of DE-570) Dow AgroSciences, Letcombe Laboratory, Letcombe Regis, Wantage, Oxon, UK E98-082, January 1999	GHE-P-7622	Yes	Unpublished Protected
IIA 7.1.3.3	Jackson, R, Paterson, G, The Dissipation of XDE-570 in Soil and Crops using Field Lysimeters DowElanco Europe, Letcombe Regis, Oxon, UK 2U, December 1997	GHE-P-6751	Yes	Unpublished Protected
	Jackson, R, Portwood, D, The Aqueous Hydrolysis of XR-570			Unpublished

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
IIA 7.2.1.1	DowElanco Europe, Letcombe Regis, Oxon, UK -, December 1993	GHE-P-3326	No	Protected
IIA 7.2.1.3.1	Jenkins, WR, XDE-570 (Pure): Assessment of Ready Biodegradability Pharmaco::LSR, Eye, Suffolk, UK 94/DES180/0468, July 1994	GHE-P-3736	Yes	Unpublished Protected
IIA 7.2.1.3.1	Jenkins, WR, XDE-570 5-Hydroxy Metabolite: Assessment of Ready Biodegradability Pharmaco::LSR, Eye, Suffolk, UK 95/DES284/0692, October 1995	GHE-P-4552	Yes	Unpublished Protected
IIA 7.2.2	Knoch, E, Investigation of the Volatilization of DE-570 Formulated as 50 g as/l SC from Soil and Dwarf Runner Bean Institut Fresenius, 45699 Herten, Germany E97-049, November 1997	GHE-P-6747	Yes	Unpublished Protected
IIA 7.1.1.1.2 IIA 7.1.1.2.1	Krieger, MS, Yoder, RN, Photolysis of XDE-570 on Soil DowElanco, Indianapolis, USA ENV95083, October 1996	GH-C 4123	Yes	Unpublished Protected
IIIA 9.1.3	Mc Reath A., Comments on draft monograph - Calculation of PEC (groundwater) for DE-750 Metabolites Using PELMO 3.0 Dow AgroSciences, European Registration Departement, Letcombe Regis, Wantage, Oxon, UK. September 1999	-	No	-
IIA 7.1.1.2.2	Maycock, R, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Northern France -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-055, October 1997a	GHE-P-6367	Yes	Unpublished Protected
IIA 7.1.1.2.2	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-098, October 1997b	GHE-P-6369	Yes	Unpublished Protected
IIA 7.1.1.2.2	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Germany -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-053, November 1997c	GHE-P-6366	Yes	Unpublished Protected
IIA 7.1.1.2.2	Maycock, R, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, UK -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-054, November 1997d	GHE-P-6381	Yes	Unpublished Protected
IIA 7.1.1.2.2	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, UK -1996	GHE-P-6368	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
	DowElanco Europe, Letcombe Regis, Oxon, UK RL96-001, November 1997e			
IIA 7.1.1.2.2	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Greece - 1996 DowElanco Europe, Letcombe Regis, Oxon. UK RL96-147, November 1997f	GHE-P-6370	Yes	Unpublished Protected
IIA 7.1.2	Ostrander, JA, Mobility Studies of XDE-570 and 5-Hydroxy-XDE-570 DowElanco, Indianapolis, Indiana 46268, USA ENV95020, January 1996	GH-C 3868	Yes	Unpublished Protected
IIA 7.2.1.1	Phillips, M, The Determination of the Hydrolytic Stability of Radiolabelled XDE-570 Inveresk Research International Ltd, Tranent, Scotland, UK 386209, September 1996	GHE-P-4986	Yes	Unpublished Protected
IIA 7.2.1.3.2	Phillips, M, The Aerobic Degradation of XDE-570 in Natural Waters and Associated Sediments Inveresk Research International Ltd, Tranent, Scotland, UK 385362, April 1997	GHE-P-5039	Yes	Unpublished Protected
IIA 7.1.2	Pillar, F, The Sorption of XDE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-001, July 1997a	GHE-P-6325R	Yes	Unpublished Protected
IIA 7.1.1.2.1	Pillar, F, Effects of Moisture on the Degradation of DE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-003, November 1997b	GHE-P-6750	Yes	Unpublished Protected
IIA 7.1.1.2.1	Pillar, F, Effects of Temperature on the Degradation of DE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-002, December 1997c	GHE-P-6749	Yes	Unpublished Protected
IIA 7.1.3.1	Pillar, F, The Non-Aged Soil Column Leaching of DE-57- DowElanco Europe, Letcombe Regis, Oxon, UK GHE-P-6785, December 1997d	GHE-P-6785	No	Unpublished Protected
IIA 7.1.1.1.1	Watson, D, Certificate of Analysis XDE-570: Confirmation of the Identity of an Isolated Soil Degradate of XDE-570 using Liquid Chromatography - Mass Spectroscopy Huntingdon Research Centre, Huntingdon, Cambridgeshire, UK DWC 723/950881, July 1995	GHE-P-4504	Yes	Unpublished Protected
IIA 7.2.1.2	Yoder, RN, Aqueous Photolysis of XDE-570 in Natural Sunlight DowElanco, Indianapolis, Indiana 46268, USA ENV95023, March 1996	GH-C 3951	Yes	Unpublished Protected

A.7.2 Environmental fate and behaviour of the formulation EF-1343 (Annex IIIA 9)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 9.1.2.1 (see IIA 7.1.1.1.1)	Baloch, R, Yon, DA, Early Stage Environmental Fate Probes for XR-566 and XR-570 DowElanco Europe, Letcombe Regis, Oxon, UK -, September 1992	GHE-P-2790	No	Unpublished Protected
IIIA 9.1.1.1 (see IIA 7.1.1.1.2)	Cleveland, CB, Gilbert, JR, Sanders, LT, Anaerobic Aquatic Metabolism Study of XDE-570 DowElanco Indianapolis, Indiana, USA ENV95137, April 1997	GH-C 4366	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Gambie, A, Residues of DE-570 and its 5-hydroxy metabolite in soil at normal harvest following application of EF-1343 to wheat and barley - Europe: 1995 -1996 DowElanco Europe, Letcombe Regis, Oxon. UK GHE-P-6833, December 1997a	GHE-P-6833	Yes	Unpublished Protected
IIIA 9.2.3 (see IIA 7.2.1.2)	Gibson, R, Degradation of DE-570 in a Natural Lakewater DowElanco Europe, Letcombe Regis, Oxon, UK E97-060, November 1997	GHE-P-6732	Yes	Unpublished Protected
IIIA 9.1.1.1 IIIA 9.1.2.1 IIIA 9.1.3 (see IIA 7.1.1.1.1)	Jackson, R, Ghosh, D, The Aerobic Degradation of XDE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK 3U, October 1997	GHE-P-4710	Yes	Unpublished Protected
IIIA 9.1.1.2 IIIA 9.1.2.2 IIIA 9.2.1 (see IIA 7.1.3.3)	Jackson, R Paterson, G, The Dissipation of XDE-570 in Soil and Crops using Field Lysimeters DowElanco Europe, Letcombe Regis, Oxon, UK 2U, December 1997	GHE-P-6751	Yes	Unpublished Protected
IIIA 9.3 (see IIA 7.2.2)	Knoch, E, Investigation of the Volatilization of DE-570 Formulated as 50 g as/l SC from Soil and Dwarf Runner Bean Institut Fresenius, 45699 Herten, Germany E97-049, November 1997	GHE-P-6747	Yes	Unpublished Protected
IIIA 9.1.1.1 (see IIA 7.1.1.1.2)	Krieger, MS, Yoder, RN, Photolysis of XDE-570 on Soil DowElanco, Indianapolis, USA ENV95083, October 1996	GH-C 4123	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Northern France -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-055, October 1997a	GHE-P-6367	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil at Intervals Following a Single Application of EF-1343, Southern France - 1996 DowElanco Europe, Letcombe Regis, Oxon, UK	GHE-P-6369	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	RL96-098, October 1997b			
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Germany -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-053, November 1997c	GHE-P-6366	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, UK -1996 DowElanco Europe, Letcombe Regis, Oxon, UK RL96-001, November 1997d	GHE-P-6368	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, Greece - 1996 DowElanco Europe, Letcombe Regis, Oxon. UK RL96-147, November 1997e	GHE-P-6370	Yes	Unpublished Protected
IIIA 9.1.1.2 (see IIA 7.1.1.2.2)	Maycock, RM, Wright, D, The Dissipation of XDE-570 and its 5-Hydroxy Metabolite in Soil Following a Single Application of EF-1343, UK -1995 DowElanco Europe, Letcombe Regis, Oxon, UK RL95-054, November 1997f	GHE-P-6381	Yes	Unpublished Protected
IIIA 9.1.2.1 (see IIA 7.1.2)	Ostrander, JA, Mobility Studies of XDE-570 and 5-Hydroxy-XDE-570 DowElanco, Indianapolis, Indiana 46268, USA ENV95020, January 1996	GH-C 3868	Yes	Unpublished Protected
IIIA 9.2.3 (see IIA 7.2.1.3.2)	Phillips, M, The Aerobic Degradation of XDE-570 in Natural Waters and Associated Sediments Inveresk Research International Ltd, Tranent, Scotland, UK 385362, April 1997	GHE-P-5039	Yes	Unpublished Protected
IIIA 9.1.2.1 IIIA 9.2.1 (see IIA 7.1.2)	Pillar, F, The Sorption of XDE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-001, July 1997a	GHE-P-6325R	Yes	Unpublished Protected
IIIA 9.1.1.1 (see IIA 7.1.1.2.1)	Pillar, F, Effects of Moisture on the Degradation of DE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-003, November 1997b	GHE-P-6750	Yes	Unpublished Protected
IIIA 9.1.2.1 (see IIA 7.1.3.1)	Pillar, F, The Non-Aged Soil Column Leaching of DE-570 DowElanco Europe, Letcombe Regis, Oxon, UK GHE-P-6785, December 1997c	GHE-P-6785	No	Unpublished Protected
IIIA 9.1.1.1 IIIA 9.2.1 (see IIA 7.1.1.2.1)	Pillar, F, Effects of Temperature on the Degradation of DE-570 in Soil DowElanco Europe, Letcombe Regis, Oxon, UK E97-002, December 1997d	GHE-P-6749	Yes	Unpublished Protected
IIIA 9.1.3	Yon, DA, Calculation of Predicted Environmental			Unpublished

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIIA 9.2.1	Concentrations (PEC's) for DE-570	GHE-P-6812	Yes	Protected
IIIA 9.2.3	DowElanco Europe, Letcombe Regis, Oxon, UK E97-072, December 1997			

A.8 Ecotoxicology

A.8.1 Ecotoxicology of the active substance (Annex IIA 8)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 8.3.2	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Carabid Beetle <i>Poecilus cupreus</i> Ecotox Limited, Tavistock, Devon, UK ER-96-01, March 1996	GHE-P-6709	Yes	Unpublished Protected
IIA 8.3.2	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Predatory Mite, <i>Typhlodromus pyri</i> Ecotox Limited, Tavistock, Devon, UK ER-96-31, February 1997a	GHE-P-6706	Yes	Unpublished Protected
IIA 8.3.2	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Parasitic Wasp, <i>Aphidius rhopalosiphi</i> Ecotox Limited, Tavistock, Devon, UK ER-96-34, February 1997b	GHE-P-6707	Yes	Unpublished Protected
IIA 8.1.3	Beavers, JB, Jaber, MJ, XDE-570 Herbicide: A Pilot Reproduction Study with the Mallard Wildlife International Ltd, Easton, Maryland, USA 103-409, January 1995a	DECO-ES-2821	No	Unpublished Protected
IIA 8.1.3	Beavers, JB, Jaber, MJ, XDE-570 Herbicide: A Pilot Reproduction Study with the Northern Bobwhite Wildlife International Ltd, Easton, Maryland, USA 103-408, January 1995b	DECO-ES-2820	No	Unpublished Protected
IIA 8.3.1.1	Beech, P, A Determination of the Oral LD ₅₀ s for XDE-570 against the Honey Bee, <i>Apis mellifera</i> Agrochemical Evaluation Unit, Department of Biology, The University, Southampton, UK DOW-96-3, November 1996	GHE-P-6705	Yes	Unpublished Protected
IIA 8.4.1	Boeri, RL, Magazu, JP, Ward, TJ, XDE-570 Herbicide: Acute Toxicity to the Earthworm, <i>Eisenia foetida</i> TR Wilbury Laboratories Inc, Marblehead, Massachusetts, USA 464-DO, July 1994	DECO-ES-2798	Yes	Unpublished Protected
IIA 8.1.1	Campbell, SM, Beavers, JB, XDE-570: An Acute Oral Toxicity Study with the Japanese Quail Wildlife International Ltd, Easton, Maryland, USA 103-403, December 1994	DECO-ES-2799	Yes	Unpublished Protected
IIA 8.6	Ehr, RJ, Alexander, AL, The Activity of DE-570 in Herbicide, Insecticide and Fungicide Screening Tests and the Herbicidal Activity of DE-570 Soil Metabolites DowElanco, Indianapolis, Indiana, USA None stated, July 1997	DERBI # 60600	No	Unpublished Protected
IIA 8.2.8	Ehr, RJ, Schmitzer, PR, Gray, JA, The Activity of DE-570 and Soil Metabolites on Acetolactate Synthase, <i>Lemna minor</i> , and <i>Agrostis palustris</i> DowElanco, Indianapolis, Indiana, USA	DERBI # 60598	No	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference None stated, July 1997	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 8.5	Forster, J, A Laboratory Assessment of the Effects of XDE-570 on Soil Microflora Respiration and Nitrogen Turnover According to BBA Guidelines VI 1-1 (1990) Euro Laboratories Limited, Sandy, Bedfordshire, UK ELL/1186, January 1997	GHE-T-713	Yes	Unpublished Protected
IIA 8.1.3	Gallagher, SP, Beavers, JB, Jaber, M, XDE-570: A Reproduction Study with the Northern Bobwhite (<i>Colinus virginianus</i>) Wildlife International Ltd, Easton, Maryland, USA 103-411, December 1995a	DECO-ES-2911	Yes	Unpublished Protected
IIA 8.1.3	Gallagher, SP, Beavers, JB, Jaber, M, XDE-570: A Reproduction Study with the Mallard (<i>Anas platyrhynchos</i>) Wildlife International Ltd, Easton, Maryland, USA 103-412, December 1995b	DECO-ES-2912	Yes	Unpublished Protected
IIA 8.2.6	Hastings, M, Preparation of Soil Extracts for Determination of the Algal Toxicity of XDE-570 Metabolites DowElanco Europe, Letcombe Regis, Oxon, UK 13U, November 1997	GHE-P-6616	Yes	Unpublished Protected
IIA 8.1.2	Helsten, BR, Solatycki, AM, XDE-570 Herbicide: 8-day Acute Dietary LC ₅₀ Study in Japanese Quail Bio-Life Associates Ltd, Neillsville, WI, USA BLAL No. 128-004-01, July 1994b	DECO-ES-2797	Yes	Unpublished Protected
IIA 8.1.2	Helsten, BR, Solatycki, AM, XDE-570 Herbicide: 8-day Acute Dietary LC ₅₀ Study in Mallard Ducklings Bio-Life Associates Ltd, Neillsville, WI, USA BLAL No. 128-005-02, July 1994a	DECO-ES-2796	Yes	Unpublished Protected
IIA 8.2.6	Hughes, JS, Williams, TL, Conder, LA, The Toxicity of XDE-570 to <i>Skeletonema costatum</i> Carolina Ecotox Inc, Durham, North Carolina, USA 10-03-1, September 1995	DECO-ES-3021	Yes	Unpublished Protected
IIA 8.2.6	Jenkins, CA, Two Aqueous Soil Extracts Containing XDE-570 Metabolites: Growth Inhibition of <i>Selenastrum capricornutum</i> (Preliminary Toxicity Screen) Huntingdon Life Sciences Ltd, Eye, Suffolk, UK DWC828/970371, October 1997	GHE-T-837	Yes	Unpublished Protected
IIA 8.7	Jenkins, WR, XDE-570 (Pure): Assessment of Ready Biodegradability Pharmaco::LSR, Eye, Suffolk, UK 94/DES180/0468, July 1994	GHE-P-3736	Yes	Unpublished Protected
IIA 8.7	Jenkins, WR, XDE-570 5-Hydroxy Metabolite: Assessment of Ready Biodegradability Pharmaco::LSR, Eye, Suffolk, UK 95/DES284/0692, October 1995	GHE-P-4552	Yes	Unpublished Protected
IIA 8.2.5	Kelly, CR, XDE-570: To Assess the Toxicity to the Sediment			Unpublished

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
IIA 8.2.7	Dwelling Phase of the Midge, <i>Chironomus riparius</i> Huntingdon Life Sciences Ltd, Huntingdon, Cambridgeshire, UK. DWC 843/973949, October 1997	GHE-T-838	Yes	Protected
IIA 8.2.1	Kirk, HD, Hugo, JM, Evaluation of the Acute Toxicity of 5-hydroxy XDE-570 to the Rainbow Trout, <i>Oncorhynchus mykiss</i> Walbaum The Dow Chemical Company, Midland, Michigan, USA DECO-ES-3118, August 1996	DECO-ES-3118	Yes	Unpublished Protected
IIA 8.2.4	Kirk, HD, Landre, AM, Hugo, JM, Evaluation of the Acute Toxicity of 5-Hydroxy XDE-570 to the Daphnid, <i>Daphnia magna</i> Straus The Dow Chemical Company, Midland, Michigan, USA DECO-ES-3117, August 1996	DECO-ES-3117	Yes	Unpublished Protected
IIA 8.2.5	Kirk, HD, Landre, AM, Hugo, JM, Stahl, DC, Evaluation of the Chronic Toxicity of XDE-570 Herbicide to the Daphnid, <i>Daphnia magna</i> Straus. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2944, January 1996	DECO-ES-2944	Yes	Unpublished Protected
IIA 8.2.4	Kirk, HD, Landre, AM, Massaro, LM, Hugo, JM, Stahl, DC, Evaluation of the Acute Toxicity of XDE-570 Herbicide to the Daphnid, <i>Daphnia magna</i> Straus. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2938, May 1995	DECO-ES-2938	Yes	Unpublished Protected
IIA 8.2.1	Kirk, HD, Miller, JA, Hugo, JM, Stahl, DC, Evaluation of the Acute Toxicity of XDE-570 Herbicide to the Rainbow Trout, <i>Oncorhynchus mykiss</i> Walbaum. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2940, January 1995a	DECO-ES-2940	Yes	Unpublished Protected
IIA 8.2.1	Kirk, HD, Miller, JA, Hugo, JM, Stahl, DC, Evaluation of the Acute Toxicity of XDE-570 Herbicide to the Bluegill, <i>Lepomis macrochirus</i> Rafinesque. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2939, January 1995b	DECO-ES-2939	Yes	Unpublished Protected
IIA 8.2.2.1	Landre, AM, Martin, MD, Weinberg, JT, Evaluation of the Prolonged (28-day) Toxicity of XDE-570 Herbicide to the Rainbow Trout, <i>Oncorhynchus mykiss</i> Walbaum. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2973, January 1996	DECO-ES-2973	Yes	Unpublished Protected
IIA 8.2.6	Milazzo, DP, Hugo, JM, McFadden, L, XDE-570 5-Hydroxy: The Toxicity to the Freshwater Green Alga, <i>Selenastrum capricornutum</i> Printz The Dow Chemical Company, Midland, Michigan, USA ES-3115, August 1996	ES-3115	Yes	Unpublished Protected
IIA 8.2.8	Milazzo, DP, Martin, MD, Kirk, HD, Hugo, JM, The Toxicity of XDE-570 Herbicide to the Aquatic Plant, Duckweed, <i>Lemna</i>	ES-2988	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	<i>gibba</i> L. G-3 The Dow Chemical Company, Midland, Michigan, USA ES-2988, November 1995			
IIA 8.2.6	Milazzo, DP, Landre, AM, Rick, DL, Martin, MD, XDE-570 Herbicide: The Toxicity to the Blue-Green Alga, <i>Anabaena flos-aquae</i> The Dow Chemical Company, Midland, Michigan, USA DECO-ES-3005, December 1995	DECO-ES-3005	Yes	Unpublished Protected
IIA 8.2.6	Milazzo, DP, Landre, AM, Hugo, JM, Martin, MD, XDE-570 Herbicide: The Toxicity to the Freshwater Diatom, <i>Navicula pelliculosa</i> . The Dow Chemical Company, Midland, Michigan, USA DECO-ES-3045, March 1996	DECO-ES-3045	Yes	Unpublished Protected
IIA 8.2.6	Milazzo, DP, Humbert, LM, Hugo, JM, Martin, MD, XDE-570 Herbicide: The Toxicity to the Green Alga, <i>Selenastrum capricornutum</i> Printz. The Dow Chemical Company, Midland, Michigan, USA DECO-ES-2946, February 1995	DECO-ES-2946	Yes	Unpublished Protected
IIA 8.3.2	Nickless, A, A Laboratory Study to Evaluate the Effects of XDE-570 on the Green Lacewing, <i>Chrysoperla carnea</i> Ecotox Limited, Tavistock, Devon, UK ER-96-24, November 1996	GHE-P-6708	Yes	Unpublished Protected
IIA 8.3.1.1	Palmer, SJ, Beavers, JB, XDE-570: An Acute Contact Study with the Honey Bee Wildlife International Ltd, Easton, Maryland, USA 103-407, August 1994	DECO-ES-2819	Yes	Unpublished Protected
IIA 8.2.3	Rick, DL, Miller, JA, Kirk, HD, The Bioconcentration of XDE-570 by the Rainbow Trout, <i>Oncorhynchus mykiss</i> Walbaum The Dow Chemical Company, Midland, Michigan, USA ES-3038, October 1997	ES-3038	Yes	Unpublished Protected
IIA 8.2.4	Ward, TJ, Magazu, JP, Boeri, RL, XDE-570: Acute Toxicity to the Grass Shrimp, <i>Palaemonetes pugio</i> TR Wilbury Laboratories Inc, Marblehead, Massachusetts, USA 643-DO, September 1995a	DECO-ES-2922	Yes	Unpublished Protected
IIA 8.2.4	Ward, TJ, Magazu, JP, Boeri, RL, XDE-570: Acute Flow- Through Mollusc Shell Deposition Test TR Wilbury Laboratories Inc, Marblehead, Massachusetts, USA 644-DO, September 1995b	DECO-ES-2923	Yes	Unpublished Protected
IIA 8.2.1	Ward, TJ, Magazu, JP, Boeri, RL, XDE-570: Acute Toxicity to the Silverside, <i>Menidia beryllina</i> TR Wilbury Laboratories Inc, Marblehead, Massachusetts, USA 645-DO, October 1995c	DECO-ES-2924	Yes	Unpublished Protected
IIA 8.4.1	Ward, TJ, Magazu, JP, Boeri, RL, 5-Hydroxy-XDE-570: Acute Toxicity to the Earthworm, <i>Eisenia foetida</i> . TR Wilbury Laboratories Inc, Marblehead, Massachusetts, USA	DECO-ES-3120	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroSciences Report No.	GLP GEP	Published Protected
	1022-DO, December 1996			

A.8.2 Ecotoxicology of the formulation EF-1343 (Annex IIIA 10)

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
IIIA 10.5.1 (see IIA 8.3.2)	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Carabid Beetle <i>Poecilus cupreus</i> Ecotox Limited, Tavistock, Devon, UK ER-96-01, March 1996	GHE-P-6709	Yes	Unpublished Protected
IIIA 10.5.1 (see IIA 8.3.2)	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Predatory Mite, <i>Typhlodromus pyri</i> Ecotox Limited, Tavistock, Devon, UK ER-96-31, February 1997a	GHE-P-6706	Yes	Unpublished Protected
IIIA 10.5.1 (see IIA 8.3.2)	Austin, HM, A Laboratory Study to Evaluate the Effects of XDE-570 on the Parasitic Wasp, <i>Aphidius rhopalosiphi</i> Ecotox Limited, Tavistock, Devon, UK ER-96-34, February 1997b	GHE-P-6707	Yes	Unpublished Protected
IIIA 10.4.1	Beech, P, A Determination of Topical and Oral LD ₅₀ s for EF-1343 (a 50 g/l SC Formulation of XDE-570) against the Honey Bee, <i>Apis mellifera</i> Agrochemical Evaluation Unit, Department of Biology, The University, Southampton, UK DOW-96-2, September 1996	GHE-P-5251	Yes	Unpublished Protected
IIIA 10.8 (see IIA 8.6)	Ehr, RJ, Alexander, AL, The Activity of DE-570 in Herbicide, Insecticide and Fungicide Screening Tests and the Herbicidal Activity of DE-570 Soil Metabolites DowElanco, Indianapolis, Indiana, USA None stated, July 1997	DERBI # 60600	No	Unpublished Protected
IIIA 10.2.1	Jenkins, CA, EF-1343: Acute Toxicity to Rainbow Trout Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 96/DES345/0351, October 1996a	GHE-T-654	Yes	Unpublished Protected
IIIA 10.2.1	Jenkins, CA, EF-1343: Acute Toxicity to <i>Daphnia magna</i> Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 96/DES346/0352, October 1996b	GHE-T-655	Yes	Unpublished Protected
IIIA 10.2.1	Jenkins, CA, EF-1343: Determination of 72-hour EC ₅₀ to <i>Selenastrum capricornutum</i> Huntingdon Life Sciences Ltd, Eye, Suffolk, UK 96/DES366/0353, October 1996c	GHE-T-656	Yes	Unpublished Protected
IIIA 10.4.1	Kleiner, R, Haussmann, Brenner, P, Testing Toxicity to Honeybee (<i>Apis mellifera</i> L.) According to BBA Guideline VI, 23-1 (1991) Biochem, D-76185 Karlsruhe, Germany 96 10 48 041, June 1996	GHE-T-833	Yes	Unpublished Protected
IIIA 10.4.1	Mühlen, Ackemeier, Rieger, Assessment of Side Effects of EF-1343 on Honey Bees (<i>Apis mellifera</i> L.) Laboratory Test IPSAB, D-48135 Münster, Germany BL608, September 1996	GHE-T-835	Yes	Unpublished Protected
IIIA 10.4.1	Nengel, S, Assessment of Side Effects of EF-1343 to the	GHE-T-834	Yes	Unpublished Protected

Annex point(s) 91/414/EEC	Author, Title, Test institute, Report number/Study ID, Date of report For publications: reference	Dow AgroScience s Report No.	GLP GEP	Published Protected
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IIIA 10.5.1 (see IIA 8.3.2)	Nickless, A, A Laboratory Study to Evaluate the Effects of XDE-570 on the Green Lacewing, <i>Chrysoperla carnea</i> Ecotox Limited, Tavistock, Devon, UK ER-96-24, November 1996	GHE-P-6708	Yes	Unpublishe dProtected
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