



ADVICE SUMMARY

APPLICATION FOR REGISTRATION OF A CHEMICAL PRODUCT

Product name: DUPONT ALTRISSET TERMITICIDE
Applicant: DU PONT (AUSTRALIA) LTD
Product number: 64594
Application number: 48732

Purpose of Application and Description of Use: Registration of a 200g/L chlorantraniliprole suspension concentrate product for the management of subterranean termites.

Active Constituent(s): CHLORANTRANILIPROLE

Regulatory Decision:

To grant the application subject to the following conditions:

Standard Conditions of Registration/Approval

1. Containers must meet AgVet Code Regulation 18
2. Agricultural products must meet Active Constituents Quality Assurance Requirements
3. Label must contain a Date of Manufacture and Batch Number

For full conditions, refer to Standard Conditions for Applications on the APVMA website.

ADVICE

Australian Government Department Of Health And Ageing, Office Of Chemical Safety

The ADI for chlorantraniliprole is 1.58mg/kg bw/d, based on a NOEL of 158mg/kg bw/d in an 18-month mouse study and using a 100-fold safety factor. No ARfD has been established for chlorantraniliprole based on the lack of identified hazard.

Chlorantraniliprole is considered not to require scheduling and is listed in Appendix B of *the Standard for Uniform Scheduling of Drugs and Poisons*. Based on the toxicology profile of the product, this classification was considered appropriate.

Based upon the results of previously submitted toxicological studies, Dupont Altriset Termiticide has no significant acute toxicity via oral, dermal, and inhalation routes of exposure. The product is not a skin or eye irritant and does not cause skin sensitisation. Accordingly, no specific Safety Directions are required for Dupont Altriset Termiticide.

The Office of Chemical Safety advised that there were no objections to the registration of the product and concluded that the proposed use of Dupont Altriset Termiticide will not be an undue health hazard to humans according to the criteria stipulated in Section 14 of the Ag/Vet Code Act of 1994.

Data relied on to provide the advice

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13064	I	Fasano, W.J.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: In vivo dermal absorption in the rat	August 02, 2006	OH and S	Worker Exposure	DU PONT (AUSTRALIA) LTD	41039
13065	I	Fasano, W.J.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: In vitro absorption in rat and human skin	August 28, 2006	OH and S	Worker Exposure	DU PONT (AUSTRALIA) LTD	41039
12936	I	Finlay, C.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute dermal toxicity study in rats	January 20, 2006	Toxicology	Acute Dermal Studies, Product	DU PONT (AUSTRALIA) LTD	41039
12939	I	Finlay, C.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute eye irritation study in rabbits	December 15, 2005	Toxicology	Acute Eye Irritation Studies, Product	DU PONT (AUSTRALIA) LTD	41039
12941	I	DeLorme, M.P.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Inhalation median lethal concentration (LC50) study in rats	April 24, 2006	Toxicology	Acute Inhalation Studies, Product	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
12944	I	Finlay, C.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute oral toxicity study in rats - up-and-down procedure	January 12, 2006	Toxicology	Acute Oral Studies, Product	DU PONT (AUSTRALIA) LTD	41039
12947	I	Finlay, C.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute dermal irritation study in rabbits	December 22, 2005	Toxicology	Acute Skin Irritation Studies, Product	DU PONT (AUSTRALIA) LTD	41039
12950	I	Hoban, D.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Local lymph node assay (LLNA) in mice	January 13, 2006	Toxicology	Acute Skin Sensitisation Studies, Product	DU PONT (AUSTRALIA) LTD	41039

Australian Government Department Of Sustainability, Environment, Water, Population and Communities

Environmental Fate

Chlorantraniliprole is stable to hydrolysis at acid and neutral pH values but unstable under alkaline conditions. Photodegradation in water is rapid with a half-life in natural sunlight of <1day. Abiotic degradation is the major route of degradation of the active in soil. A range of soil dissipation studies demonstrated the very high persistence of chlorantraniliprole in soil and a very high level of persistence was observed for soil metabolites. The active is partitioned preferentially to sediment in laboratory water/sediment systems, with lengthy whole system DT50s. Adsorption/desorption studies with chlorantraniliprole on a range of global soils indicated a medium mobility range. Bioaccumulation studies in fish demonstrated rapid degradation of the active and ready depuration.

Environment Effects

Chlorantraniliprole does not appear to have acute lethal effects in mallard ducks or bobwhite quails. There are no significant acute toxic effects to fish exposed to chlorantraniliprole or its formulation. The active is considered to be slightly toxic to fish. Chlorantraniliprole has very high acute toxicity to aquatic invertebrates. Daphnids were also highly sensitive to the formulation and to a minor metabolite, but not to the major environmental metabolites. No significant effects on biomass or growth were observed in the green alga exposed to the active and its formulation. A range of studies demonstrated that bees were not sensitive to dried residues or to exposure from direct overspray. No significant effects were observed on parasitic wasps, predatory mites, earthworms, soil microorganisms and terrestrial plants exposed to chlorantraniliprole.

In their risk assessment DSEWPaC gave particular attention to the potential risks to the aquatic environment through run-off due to the high application rates of chlorantraniliprole that are necessary for termiticide application. Run off poses a potential risk to the aquatic environment particularly when there is unexpected rainfall on the application site before the treated soil is covered with a water impermeable structure. Modelling of run-off has determined the potential risk to aquatic organisms due to the high predicted aquatic concentration of chlorantraniliprole and its very high toxicity to aquatic invertebrates. This risk was considered to be acceptably mitigated by appropriate application practices which limit off-site movement of the pesticide. DSEWPaC concluded that risk to birds, aquatic and terrestrial organisms and plants will be acceptable under the proposed use pattern and recommended inclusion of the following specific protection statement:

Protection of wildlife, fish, crustaceans and the environment

Very toxic to aquatic life. DO NOT apply to areas where surface water is present. Rinse waters, and run-off from treated areas MUST be prevented from entering drains or waterways. Do NOT apply if heavy rains are expected to occur within 48 hours of application. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

The environmental assessment supported registration of the product and advised that the proposed uses of chlorantraniliprole in Dupont Altriset Termiticide to control termites in the situations described on the label would not likely to have an unintended effect that is harmful to animals, plants or things in the environment under Section 14 subsection 1 of the Ag/Vet Code Act of 1994.

Data relied on to provide the advice

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13069	I	Samel, A.	14C-DPX-E2Y45: Bioconcentration in bluegill sunfish, <i>Lepomis macrochirus</i>	January 20, 2006	Environment Fate	Accumulation/Metabolism Aquatic Organisms	DU PONT (AUSTRALIA) LTD	41039
13070	I	McCorquodale, G., Addison, L.	Aerobic soil metabolism of [14C]-DPX-E2Y45	June 01, 2005	Environment Fate	Accumulation/Metabolism Soils	DU PONT (AUSTRALIA) LTD	41039
13071	I	Singles, S.K	Aerobic soil metabolism of [14C]-DPX-E2Y45	March 16, 2006	Environment Fate	Accumulation/Metabolism Soils	DU PONT (AUSTRALIA) LTD	41039
13088	I	Koch Singles, S.	Chlorantraniliprole (DPX-E2Y45) Active substance Annex IIA: Section 5: Environmental fate Summaries and assessment (Tier II - Document M-II)	November 08, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13087	I	Fraser, G., Kinney, J., Hunter, T.	Validation of an analytical method for the determination of DPX-E2Y45, IN-EQW78, IN-ECD73, IN-F9N04 and IN-GAZ70 in fresh water sediment and IN-F9N04 in soil	October 24, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13089	I	Huber, A.	The degradation of DPX-E2Y45 in soil and aquatic systems - summary of kinetic calculations	November 30, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13090	I	Singles, S.K., Berg, D.S.	14C-DPX-E2Y45: Effect of aging on extractability from artificial soil	November 28, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13091	I	Singles, S.K	Interpretation of the environmental behaviour of chlorantraniliprole (DPX-E2Y45)	October 30, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13151	I	McCorquodale, G., Wardrope, L.	Rate of degradation of [14C]-IN-GAZ70 in five aerobic soils	January 25, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13072	I	Gagnon, M., Hill, S.J., Pentz, A.M., Stry, J.J.	Analytical method for the determination of DPX-E2Y45 and metabolites in soil by LC/MS/MS	May 13, 2004	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13073	I	Chapleo, S., Coyle, D.	Photodegradation of [14C]-DPX-E2Y45 on soil	November 12, 2004	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13074	I	McCorquodale, G., Mackie, D.	14C-DPX-E2Y45: Rate of degradation in three aerobic soils	August 17, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13075	I	Singles, S.K	14C-DPX-E2Y45: Rate of degradation in three aerobic soils	March 16, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13076	I	Talken, C.G., Sharma, A.K.	Radiovalidation of the residues of DPX-E2Y45 and its metabolites (IN-EQW78, IN-ECD73, IN-F6L99, and IN-GAZ70) in soil	July 19, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13077	I	Dengler, D.	DPX-E2Y45 technical: Activated sludge respiration inhibition test	December 23, 2004	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13078	I	McCorquodale, G., Addison, L., Coyle, D.	Anaerobic soil metabolism of [14C]-DPX-E2Y45	May 05, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13079	I	Morris, A.W.J., Coyle, D.	Rate of degradation of [14C]-IN-ECD73 in five aerobic soils	October 21, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13080	I	Lowrie, C., Coyle, D.	The degradation of 14C-IN-EQW78 in five aerobic soils	August 12, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13081	I	Berg, D.S., Singles, S.K.	Effect of temperature and soil viability on the rate of degradation of 14C-DPX-E2Y45 in two aerobic soils	May 23, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13082	I	Lowrie, C., McCorquodale, G.	The degradation of 14C-IN-F6L99 in five aerobic soils	July 15, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13083	I	Syme, G.C., Jones, M.L., Doran, A.M.	Validation of an analytical method for the determination of DPX-E2Y45, IN-EQW78, IN-ECD73, IN-F6L99 and IN-GAZ70 in soil	July 06, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13084	I	Bilas, J.M., Gagnon, M.R., Stry, J.J.	Analytical method for the determination of DPX-E2Y45 in soil using GC-ECD	October 14, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13085	I	Neeley, M.D.	Analytical method for the determination of DPX-E2Y45, IN-EQW78, IN-ECD73, IN-F6L99 and IN-GAZ70 in soil	May 18, 2005	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13086	I	Hargreaves, T.L., Murphy, C.M.	DPX-E2Y45: Assessment of ready biodegradability by the Modified Sturm test	January 18, 2006	Environment Fate	Biodegradation Soils	DU PONT (AUSTRALIA) LTD	41039
13098	I	Buscher, B.A.P.	Analytical method for the determination of DPX-E2Y45 and degradation products in water using LC/MS/MS	May 22, 2006	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13097	I	Bilas, J.M., Stry, J.J.	Analytical method for the determination of DPX-E2Y45 and degradation products in water using LC/MS/MS	February 18, 2005	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13096	I	Bilas, J.M., Stry, J.J.	Analytical method for the determination of DPX-E2Y45 and IN-EQW78 in water using GC-ECD	September 13, 2004	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13095	I	Umstatter, S.	14C-DPX-E2Y45: Photodegradation of DPX-E2Y45 in a water/sediment system	March 30, 2006	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13092	I	Lynn, R., McCorquodale, G.	14C-DPX-E2Y45: Degradability and fate in the water/sediment system	May 06, 2006	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13094	I	Singles, S.K., Berg, D.S., Hatzenbeler, C.J.	Preparation and identification of the aqueous photoproducts of DPX-E2Y45	June 11, 2004	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039
13093	I	Addison, L., McCorquodale, G.	Anaerobic aquatic metabolism of [14C]-DPX-E2Y45	March 31, 2006	Environment Fate	Biodegradation Water	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13099	I	van Schaik, F.	Development of an analytical enforcement method in air (by adsorption on XAD-2 and LC-MS/MS) for DPX-E2Y45	February 24, 2006	Environment Fate	Field Dissipation Air	DU PONT (AUSTRALIA) LTD	41039
13124	I	Strek, H.J.	Interim field soil accumulation study results for DPX-E2Y45 in Europe	October 27, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13123	I	Strek, H.J.	Conversion from units of parts per billion to grams parent equivalents per hectare and percent of applied parent equivalents in field studies	October 16, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13122	I	Huang, F.X., Sharma, A.K., Rice, F., Gant, A.G., Rodgers, C.A.	Terrestrial field dissipation of DPX-E2Y45 insecticide on turf in Georgia, 2005, USA	June 06, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13121	I	Huang, F.X., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on turf in New Jersey, 2005, USA	August 15, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13125	I	Huber, A.	Kinetic sorption of DPX-E2Y45 in laboratory and field soils - A modelling study with PEARLNEQ PEST and FOCUS PEARL 2.2.2	October 20, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13100	I	Sharma, A.K., Rice, F., Talken, C.G.	Terrestrial field dissipation of radiolabeled DPX-E2Y45 insecticide on bare soil in Texas, 2003, USA	June 13, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13101	I	Sharma, A.K., Rice, F., Talken, C.G.	Terrestrial field dissipation of radiolabeled DPX-E2Y45 insecticide on bare soil in California, USA	December 02, 2005	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13102	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in Texas, 2003, USA	January 13, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13103	I	Old, J.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - southern Europe	March 17, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13104	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in California; 2003; USA	September 01, 2005	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13105	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in Georgia, 2003, USA	July 26, 2005	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13106	I	Sharma, A., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in New Jersey, 2003, USA	September 23, 2005	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13107	I	Old, J.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - northern Europe (Burgundy, France)	May 31, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13108	I	Old, J.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - northern Europe (Alsace, France)	July 07, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13109	I	Old, J.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - southern Europe	July 14, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13110	I	Sharma, A.K., Gant, A.G.	Storage stability of DPX-E2Y45 and metabolites (IN-EQW78, IN-ECD73, and IN-GAZ70) in frozen soil	September 19, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13111	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in Washington, 2004, USA	May 08, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13112	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in Minnesota, 2005, USA [interim report]	September 27, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13113	I	Duncan, P.	The field soil dissipation of DPX-E2Y45 following a single applicaton to bare ground - southern Europe (Spain)	August 02, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13114	I	Duncan, P.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - southern Europe (Sicily)	July 31, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13115	I	Duncan, P., Fraser, G.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - northern Europe (Poland)	August 02, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13116	I	Duncan, P.	The field soil dissipation of DPX-E2Y45 following a single application to bare ground - northern Europe (Germany)	August 02, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13117	I	Sharma, A.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide on bare soil in Ohio, 2004, USA	September 07, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13118	I	Singles, S.K., Rice, F., Gant, A.G.	Terrestrial field dissipation studies of E2Y45 insecticide on bare soil in Prince Edward Island, 2005, Canada [Interim Report]	September 26, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13119	I	Singles, S.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 insecticide in the presence of a cover crop (peppers) in New Jersey, 2005, USA	September 13, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13120	I	Singles, S.K., Rice, F., Gant, A.G.	Terrestrial field dissipation of DPX-E2Y45 in the presence of a cover crop (grass) in New Jersey, 2005, USA	September 05, 2006	Environment Fate	Field Dissipation Soils	DU PONT (AUSTRALIA) LTD	41039
13136	I	Singles, S.K.	Rate of degradation and soil adsorption (Koc) values for DPX-E2Y45 in three Brazilian soils	October 17, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13137	I	Singles, S.K.	Details of soil collection for adsorption studies conducted with DPX-E2Y45 and its soil metabolites	April 03, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13135	I	Singles, S.K., Berg, D.S., Pils, J.R.V.	DPX-E2Y45: Adsorption to soil, verdure, and thatch	March 07, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13134	I	Lowrie, C., Coyle, D.	IN-GAZ70 (a metabolite of DPX-E2Y45): Batch equilibrium (adsorption/desorption) in five soils	March 15, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13133	I	Pils, J.R.V., Singles, S.K., Berg, D.S.	DPX-E2Y45: Adsorption to kaolinite and montmorillonite (smectite) clays	October 17, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13126	I	Craig W.B., Clipston, A.S.	DPX-E2Y45: Laboratory study of dissociation constant	August 22, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13127	I	Lowrie, C., Lynn, R., Coyle, D.	DPX-E2Y45: Batch equilibrium (adsorption/desorption) in five soils	March 25, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13128	I	Lowrie, C.	IN-EQW78 (a metabolite of DPX-E2Y45): Batch equilibrium (adsorption/desorption) in five soils	July 21, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13129	I	Mattson, S.L.	Adsorption/desorption of [14C]DPX-E2Y45 in twenty-two soils	January 03, 2006	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13130	I	Morriss, A.W.J., Coyle, D.	IN-ECD73 (a metabolite of DPX-E2Y45): Batch equilibrium (adsorption/desorption) in five soils	October 21, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13131	I	Singles, S.K., Berg, D.S.	Aged desorption of 14C-DPX-E2Y45 in three soils	July 29, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13132	I	Morriss, A.W.J., Coyle, D.	IN-F6L99 (a metabolite of DPX-E2Y45): Batch equilibrium (adsorption/desorption) in five soils	November 04, 2005	Environment Fate	Mobility Adsorption/Desorption	DU PONT (AUSTRALIA) LTD	41039
13138	I	Singles, S.K., Berg, D.S.	Leaching potential of DPX-E2Y45 residues in fresh spiked soil, aged soil, and post-extraction soil	September 18, 2006	Environment Fate	Mobility Leaching Potential	DU PONT (AUSTRALIA) LTD	41039
13143	I	Jarvis, N.	Simulation of drainage inputs of DPX-E2Y45 to surface water in the EU using MACRO5	November 23, 2006	Environment Fate	Modelling Studies	DU PONT (AUSTRALIA) LTD	41039
13142	I	Huber, A.	Predicted Concentrations of DPX-E2Y45 and its Metabolites IN-EQW78, IN-ECD73, IN-F6L99, IN-GAZ70, AND IN-F9N04 in Soil	July 20, 2007	Environment Fate	Modelling Studies	DU PONT (AUSTRALIA) LTD	41039
13141	I	Hatzenbeler, C.J.	Calculated theoretical lifetime for DPX-E2Y45 in the top layer of aqueous systems	April 19, 2006	Environment Fate	Modelling Studies	DU PONT (AUSTRALIA) LTD	41039
13140	I	Huber, A.	Leaching behaviour of DPX-E2Y45 and its metabolites - a modeling study with FOCUS PELMO 3.3.2 and FOCUS PEARL 2.2.2	June 27, 2007	Environment Fate	Modelling Studies	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13139	I	Huber, A.	Predicted concentrations of DPX-E2Y45 and its metabolites in surface waters in Europe - A modeling study conducted with FOCUS surface water scenarios	June 25, 2007	Environment Fate	Modelling Studies	DU PONT (AUSTRALIA) LTD	41039
13145	I	Umstaetter, S., Peterson, B.	Effect of temperature on the hydrolytic stability of [14C]-DPX-E2Y45 in buffered aqueous solution	December 16, 2005	Environment Fate	Physicochemical Degradation Hydrolysis	DU PONT (AUSTRALIA) LTD	41039
13144	I	Chapleo, S., Paterson, K., White, D.	Hydrolytic stability of [14C]-DPX-E2Y45 in buffered aqueous solutions at pH 4, 7, and 9	March 30, 2004	Environment Fate	Physicochemical Degradation Hydrolysis	DU PONT (AUSTRALIA) LTD	41039
13150	I	Singles, S.K., Hatzenbeler, C.J.	Calculation of quantum yield of the aqueous photoproducts of DPX-E2Y45	August 18, 2006	Environment Fate	Physicochemical Degradation Photodegradation	DU PONT (AUSTRALIA) LTD	41039
13148	I	Moore, L.A.	DPX-E2Y45: Photochemical oxidative degradation	October 19, 2004	Environment Fate	Physicochemical Degradation Photodegradation	DU PONT (AUSTRALIA) LTD	41039
13147	I	MacDonald, A.M.G., Coyle, D., Gray, J.L.	Photodegradation of [14C]-DPX-E2Y45 in pH 7 buffer and natural water	July 22, 2005	Environment Fate	Physicochemical Degradation Photodegradation	DU PONT (AUSTRALIA) LTD	41039
13146	I	MacDonald, A.M.G., Coyle, D., Gray, J.L.	Photodegradation of [14C]-DPX-E2Y45 in pH 7 buffer and natural water	July 22, 2005	Environment Fate	Physicochemical Degradation Photodegradation	DU PONT (AUSTRALIA) LTD	41039
13149	I	Singles, S.K.	Calculation of DT50 values for the aqueous photoproducts of DPX-E2Y45	April 03, 2006	Environment Fate	Physicochemical Degradation Photodegradation	DU PONT (AUSTRALIA) LTD	41039
13178	I	Turner, J.T.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Static, acute, 96-hour limit test to bluegill sunfish, <i>Lepomis macrochirus</i>	June 14, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13177	I	Samel, A.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Static, acute, 96-hour limit test to rainbow trout, <i>Oncorhynchus mykiss</i>	May 23, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13176	I	Samel, A.	IN-F9N04: Static, acute, 48-hour toxicity test with <i>Daphnia magna</i>	April 20, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13174	I	Samel, A.	IN-ECD73: Static, 48-hour limit test to <i>Daphnia magna</i>	May 12, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13175	I	Samel, A.	IN-F6L99: Static, 48-hour toxicity test to <i>Daphnia magna</i>	May 05, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13179	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to the stonefly, <i>Soyedina carolinensis</i>	July 06, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13152	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 96-hour LC50 rainbow trout, <i>Oncorhynchus mykiss</i>	January 09, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13153	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 96-hour LC50 to bluegill sunfish, <i>Lepomis macrochirus</i>	January 09, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13154	I	Boeri, R.L., Wyskiel, D.C., Ward, T.J.	DPX-E2Y45 technical: Static acute toxicity to the sheepshead minnow, <i>Cyprinodon variegatus</i>	January 15, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13155	I	Boeri, R.L., Wyskiel, D.C., Ward, T.J.	DPX-E2Y45 technical: Acute toxicity to the mysid, <i>Americamysis bahia</i>	January 16, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13156	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour EC50 to <i>Daphnia magna</i>	December 12, 2003	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13157	I	Boeri, R.L., Wyskiel, D.C., Ward, T.J.	DPX-E2Y45 technical: Flow-through mollusc shell deposition test using the eastern oyster, <i>Crassostrea virginica</i>	July 22, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13158	I	Turner, J.T.	DPX-E2Y45 technical: Static, acute, 96-hour limit test to channel catfish, <i>Ictalurus punctatus</i>	October 27, 2004	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13159	I	Bouchelle, L.D.	LBA24-002: Static, acute, 24-hour lead optimization screen using <i>Daphnia magna</i>	May 23, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13160	I	Bouchelle, L.D.	LBA22-002: Static, acute, 24-hour lead optimization screen using <i>Daphnia magna</i>	May 23, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13161	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to the mayfly, <i>Centroptilum triangulifer</i>	January 27, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13162	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to <i>Chironomus riparius</i>	January 26, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13163	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to <i>Hyalella azteca</i>	January 06, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13164	I	Samel, A.	IN-EQW78: Static, acute, 48-hour limit test to <i>Daphnia magna</i>	May 11, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13165	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to adult populations of <i>Daphnia magna</i>	March 15, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13166	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to crayfish, <i>Oronectes virilis</i>	August 26, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13167	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to the aquatic oligochaete, <i>Lumbriculus variegatus</i>	May 17, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13168	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity test to <i>Gammarus pseudolimnaeus</i>	May 18, 2005	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13169	I	Bouchelle, L.D.	LBA23-000: Static, acute, 24-hour lead optimization screen using <i>Daphnia magna</i>	May 23, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13170	I	Samel, A.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity screening test with copepods	March 23, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13171	I	Bouchelle, L.D.	IN-GAZ70: Static, acute, 48-hour limit test to <i>Daphnia magna</i>	April 20, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13172	I	Samel, A.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Static, acute, 48-hour toxicity test to <i>Daphnia magna</i>	May 03, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13173	I	Turner, J.T.	DPX-E2Y45 technical: Static, acute, 48-hour toxicity screening test with rotifers, <i>Brachionus calyciflorus</i>	July 21, 2006	Environment Toxicology	Aquatic Organisms Acute	DU PONT (AUSTRALIA) LTD	41039
13183	I	Krueger, H.O., Thomas, S., Kendall, T.Z.	14C-DPX-EY245: A prolonged sediment toxicity test with <i>Chironomus riparius</i> using spiked sediment	September 02, 2005	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13184	I	Ward, T.J., Boeri, R.L., Wyskiel, D.C.	DPX-E2Y45 technical: Flow-through chronic toxicity to the mysid, <i>Americamysis bahia</i>	June 16, 2004	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13182	I	Kreuger, H.O., Thomas, S., Kendall, T.Z.	14C-DPX-E2Y45: A prolonged sediment toxicity test with <i>Chironomus riparius</i> using spiked water	August 29, 2006	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13181	I	Ward, T.J., Boeri, R.L., Wyskiel, D.C.	DPX-E2Y45 technical: Flow-through early life stage toxicity to the sheepshead minnow, <i>Cyprinodon variegatus</i>	June 16, 2004	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13180	I	Samel, A.	DPX-E2Y45 technical: Early life-stage toxicity to rainbow trout, <i>Oncorhynchus mykiss</i>	November 10, 2004	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13186	I	Stanley, B.H.	DPX-E2Y45: Prospective population modeling of <i>Daphnia magna</i> responses to potential exposures in water	December 08, 2006	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13185	I	Samel, A.	DPX-E2Y45 technical: 21-Day chronic, static-renewal toxicity test to <i>Daphnia magna</i>	October 19, 2005	Environment Toxicology	Aquatic Organisms Other	DU PONT (AUSTRALIA) LTD	41039
13189	I	Sloman, T.L.	DPX-E2Y45 technical: Influence on growth rate of the blue-green alga <i>Anabaena flos-aquae</i>	November 18, 2004	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13190	I	Ward, T.J., Boeri, R.L., Wyskiel, D.C.	DPX-E2Y45 technical: Influence on growth and growth rate of the marine diatom, <i>Skeletonema costatum</i>	June 01, 2004	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039
13191	I	Ward, T.J., Boeri, R.L., Wyskiel, D.C.	DPX-E2Y45 technical: Influence on growth and growth rate of the alga, <i>Navicula pelliculosa</i>	June 15, 2006	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039
13188	I	Sloman, T.L.	DPX-E2Y45 technical: Influence on growth and reproduction of <i>Lemna gibba</i> G3	January 27, 2006	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039
13187	I	Sloman, T.L.	DPX-E2Y45 technical: Influence on growth and growth rate of the green alga <i>Selenastrum capricornutum</i>	January 27, 2006	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039
13192	I	Sloman, T.L.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Static, 72-hour growth inhibition limit test to the green alga, <i>Pseudokirchneriella subcapitata</i>	May 09, 2006	Environment Toxicology	Aquatic Organisms Short-term	DU PONT (AUSTRALIA) LTD	41039
13203	I	Giffard, H.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi field study to evaluate effects on the honey bee (<i>Apis mellifera mellifera</i> ; Hymenoptera, Apidae) on phacelia in France 2006	October 19, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13204	I	Giffard, H.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi field study to evaluate effects on the honey bee (<i>Apis mellifera mellifera</i> ; Hymenoptera, Apidae) on wheat treated with artificial honeydew in France 2006	October 19, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13206	I	Bocksch, S.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute oral and contact toxicity to the honeybee, <i>Apis mellifera</i> L.	June 19, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13205	I	Szinicz, G.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) in <i>Phacelia tanacetifolia</i> in France 2006	October 06, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13202	I	Warmers, C.	DPX-E2Y45 35WG: An extended laboratory rate response test to study the effects on the hoverfly <i>Episyrphus balteatus</i> DEG. (Diptera, Syrphidae) in the laboratory	June 27, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13201	I	Bocksch, S.	DPX-E2Y45 technical: Acute oral and contact toxicity to the honeybee, <i>Apis mellifera</i> L.	November 28, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13193	I	Schur, A.	DPX-E2Y45-105: A semi-field study (non-GLP) to evaluate effects on the honey bee (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) in Phacelia in 2003	August 28, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13194	I	Schur, A.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera mellifera</i> ; Hymenoptera, Apidae) in Phacelia in Spain 2004	January 21, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13195	I	Schur, A.	DPX-E2Y45 20SC (200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) in Phacelia in Germany 2004	April 13, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13196	I	Giffard, H.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera mellifera</i> ; Hymenoptera, Apidae) on Phacelia in France 2005	June 28, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13197	I	Beuschel, S.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) in Phacelia <i>tanacetifolia</i> in Northern France 2005	June 30, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13198	I	Szinicz, G.	DPX-E2Y45 20SC (200 g a.s./L (w/w)), 18.5% (w/w): A semi-field study to determine residues in nectar and pollen from foraging honey bees (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) and residues in fresh honey, pollen and wax from combs after exposure t	October 27, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13199	I	Giffard, H.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A semi-field study to evaluate effects on the honey bee (<i>Apis mellifera mellifera</i> ; Hymenoptera, Apidae) on wheat treated with artificial honeydew in France 2005	July 12, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13200	I	Beuschel, S.	DPX-E2Y45 20SC (200 g a.s./L (w/w)), 18.5% (w/w): A semi-field study to evaluate the effects on the honey bee (<i>Apis mellifera carnica</i> ; Hymenoptera, Apidae) on wheat treated with artificial honeydew in Northern France 2005	June 13, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Bees	DU PONT (AUSTRALIA) LTD	41039
13211	I	L• hrs, U.	IN-EQW78: Effects on reproduction and growth of the earthworm, <i>Eisenia fetida</i> , in artificial soil	April 11, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13212	I	L• hrs, U.	IN-F6L99: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	December 12, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13213	I	L• hrs, U.	IN-ECD73: Effects on reproduction and growth of the earthworm, <i>Eisenia fetida</i> , in artificial soil	January 31, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13215	I	Luhrs, U.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	April 03, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13214	I	L• hrs, U.	IN-GAZ70: Effects on reproduction and growth of the earthworm, <i>Eisenia fetida</i> , in artificial soil	January 12, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13210	I	L• hrs, U.	IN-GAZ70: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	November 15, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13207	I	L• hrs, U.	DPX-E2Y45 technical: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	August 31, 2004	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13208	I	L• hrs, U.	IN-EQW78: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	January 03, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13209	I	L• hrs, U.	IN-ECD73: Acute toxicity to the earthworm, <i>Eisenia fetida</i> in artificial soil	November 11, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Earthworms	DU PONT (AUSTRALIA) LTD	41039
13220	I	L• hrs, U.	DPX-E2Y45 technical: Effects on the collembola, <i>Folsomia candida</i> in artificial soil	January 16, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Other	DU PONT (AUSTRALIA) LTD	41039
13218	I	L• hrs, U.	IN-GAZ70: Effects on the collembola, <i>Folsomia candida</i> in artificial soil	January 31, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Other	DU PONT (AUSTRALIA) LTD	41039
13217	I	L• hrs, U.	IN-ECD73: Effects on the collembola, <i>Folsomia candida</i> in artificial soil	November 07, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Other	DU PONT (AUSTRALIA) LTD	41039
13221	I	Stanley, B.H.	DPX-E2Y45: Prospective population modeling of collembolan responses to potential exposures in soil	December 08, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Other	DU PONT (AUSTRALIA) LTD	41039
13222	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A laboratory rate response test to evaluate the effects on the parasitoid <i>Aphidius rhopalosiphi</i> (Hymenoptera, Braconidae)	October 24, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Parasites	DU PONT (AUSTRALIA) LTD	41039
13231	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: A laboratory rate response test to evaluate the effects on the predatory mite <i>Typhlodromus pyri</i> Scheuten (Acari, Phytoseiidae)	December 01, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13233	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: An extended laboratory test with field-aged spray deposits to study the effects on the hoverfly <i>Episyrphus balteatus</i> DEG. (Diptera, Syrphidae)	October 18, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13234	I	L• hrs, U.	DPX-E2Y45 technical: Effects on reproduction of the predatory mite <i>Hypoaspis aculeifer</i> in artificial soil with 5% peat	August 31, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13229	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: An extended laboratory rate response test to study the effects on the predatory bug <i>Orius laevigatus</i> Fieber (Heteroptera, Anthocoridae)	June 30, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13230	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/w), 18.5% (w/w)]: An extended laboratory rate response test to study the effects on the hoverfly <i>Episyrphus balteatus</i> DEG. (Diptera, Syrphidae) in the laboratory	June 27, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13232	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: An extended laboratory test with field aged spray deposits to study the effects on the ladybird beetle, <i>Coccinella septempunctata</i> L. (Coleoptera, Coccinellidae)	October 27, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13223	I	Lehmhus, J.	DPX-E2Y45 20SC [200 g a.s./L (w/v); 18.5% (w/w)]: A field study to evaluate effects on predatory mites in apple orchards in Italy, 2004	August 10, 2005	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13224	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: Non-GLP laboratory study to evaluate the effects on the hoverfly <i>Episyrphus balteatus</i> DEG. (Diptera, Syrphidae) in the laboratory	December 20, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13225	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)] non-GLP laboratory study to evaluate the effects on the lady bird beetle <i>Coccinella septempunctata</i> L. (Coleoptera, Coccinellidae), under laboratory conditions	December 20, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13226	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)] non-GLP laboratory study to evaluate the effects on the green lacewing <i>Chrysoperla carnea</i> Steph. (Neuroptera, Chrysopidae) under laboratory conditions	April 24, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13227	I	Samel, A.	DPX-E2Y45 technical: Acute, variable exposure toxicity test with recovery to Daphnia magna	March 24, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13228	I	Warmers, C.	DPX-E2Y45 20SC [200 g a.s./L (w/v), 18.5% (w/w)]: An extended laboratory rate response test to study the effects on the ladybird beetle, Coccinella septempunctata L. (Coleoptera, Coccinellidae)	April 26, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Predators	DU PONT (AUSTRALIA) LTD	41039
13235	I	Reis, K.H.	IN-EQW78: Assessment of the effects on soil microflora	March 08, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Soil Micros	DU PONT (AUSTRALIA) LTD	41039
13236	I	Reis, K.H.	IN-ECD73: Assessment of the effects on soil microflora	March 15, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Soil Micros	DU PONT (AUSTRALIA) LTD	41039
13238	I	Reis, K.-H.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: Assessment of the effects on soil microflora	June 22, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Soil Micros	DU PONT (AUSTRALIA) LTD	41039
13237	I	Reis, K.H.	IN-GAZ70: Assessment of the effects on soil microflora	March 29, 2006	Environment Toxicology	Non-target Invertebrates (terrestrial) Soil Micros	DU PONT (AUSTRALIA) LTD	41039
13239	I	Kolzer, U.	DPX-E2Y45 20SC: Effects on the decomposition of organic matter in the field	July 21, 2006	Environment Toxicology	Non-target Vegetation - Field	DU PONT (AUSTRALIA) LTD	41039
13240	I	Porch, J.R., Martin, K.H.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: A greenhouse study to investigate the effects on vegetative vigor of ten terrestrial plants following foliar exposure	June 27, 2006	Environment Toxicology	Non-target Vegetation - Field	DU PONT (AUSTRALIA) LTD	41039
13241	I	Porch, J.R., Martin, K.H.	DPX-E2Y45 20SC [200 g/L (w/v); 18.5% (w/w)]: A greenhouse study to investigate the effects on seedling emergence and growth of ten terrestrial plants following soil exposure	June 27, 2006	Environment Toxicology	Non-target Vegetation - Field	DU PONT (AUSTRALIA) LTD	41039
17786	I	Brugger, K. E., Singles, S. K.	Chlorantraniliprole: Environmental risk assessment for proposed uses of Chlorantraniliprole 35WG and Chlorantraniliprole 20SC in Australia	11-Dec-07	Environment Toxicology	Other Information	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
13243	I	Gallagher, S.P., Beavers, J.B.	IN-EQW78: An acute oral toxicity study with the northern bobwhite	May 12, 2006	Environment Toxicology	Vertebrates Acute	DU PONT (AUSTRALIA) LTD	41039
13242	I	Gallagher, S.P., Beavers, J.B.	DPX-E2Y45 technical: An acute oral toxicity study with the northern bobwhite	October 05, 2004	Environment Toxicology	Vertebrates Acute	DU PONT (AUSTRALIA) LTD	41039
13244	I	Gallagher, S.P., Beavers, J.B.	DPX-E2Y45 20SC: An acute oral toxicity study with the northern bobwhite	May 12, 2006	Environment Toxicology	Vertebrates Acute	DU PONT (AUSTRALIA) LTD	41039
13246	I	Temple, D.L., Martin, K.H., Beavers, J.B., Jaber, M.	DPX-E2Y45: A reproduction study with the mallard	May 25, 2006	Environment Toxicology	Vertebrates Other	DU PONT (AUSTRALIA) LTD	41039
13245	I	Temple, D.L., Beavers, J.B., Frey, L.T., Jaber, M.	DPX-E2Y45: A reproduction study with the northern bobwhite	November 30, 2006	Environment Toxicology	Vertebrates Other	DU PONT (AUSTRALIA) LTD	41039
13248	I	Gallagher, S.P., Beavers, J.B.	DPX-E2Y45 technical: A dietary LC50 study with the mallard	December 15, 2004	Environment Toxicology	Vertebrates Short-term	DU PONT (AUSTRALIA) LTD	41039
13247	I	Gallagher, S.P., Beavers, J.B.	DPX-E2Y45 technical: A dietary LC50 study with the northern bobwhite	December 15, 2004	Environment Toxicology	Vertebrates Short-term	DU PONT (AUSTRALIA) LTD	41039
13249	I	Gallagher, S.P., Beavers, J.B.	DPX-E2Y45 20SC: A dietary LC50 study with the northern bobwhite	July 31, 2006	Environment Toxicology	Vertebrates Short-term	DU PONT (AUSTRALIA) LTD	41039
16302	I	Ruhl, J.	Chlorantraniliprole (DPX-E2Y45) Active substance Annex IIA: Section 3: Mammalian toxicology Summaries and assessment (Tier II - Document M-II) Supplement No 3	July 30, 2007	Special Data Requirements	Other Information	DU PONT (AUSTRALIA) LTD	41039

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
16305	I	Frost, N-M., McNally, M-E., Stry, J.J., Bentley, K.S., Ruhl, J., Gaddamidi, V., Marmor, F.W., Singles, S.K., Brugger, K.E., Woodward, M.D.	Chlorantraniliprole (DPX-E2Y45) Active Substance and Plant Protection Products DPX-E2Y45 20SC and DPX-E2Y45 35WG Overall Summary and Assessment (Tier III - Document N) Revision No. 1	July 27, 2007	Special Data Requirements	Other Information	DU PONT (AUSTRALIA) LTD	41039
16303	I	Huber, A. Singles, S.K.	Chlorantraniliprole 20SC (DPX-E2Y45 20SC) 200 g/L Suspension Concentrate Formulation Annex IIIA: Section 5: Fate in the Environment Summaries and assessment (Tier II - Document M-III) Revision No. 1	July 23, 2007	Special Data Requirements	Other Information	DU PONT (AUSTRALIA) LTD	41039
16304	I	Brugger, K.E., Dinter, A.	Chlorantraniliprole 20SC (DPX-E2Y45 20SC) 200 g/L Suspension Concentrate Formulation Annex IIIA: Section 6: Ecotoxicology Summaries and assessment (Tier II - Document M-III) Revision No. 1	July 24, 2007	Special Data Requirements	Other Information	DU PONT (AUSTRALIA) LTD	41039

State/External Efficacy Reviewer

A published trial, data from two laboratory trials and 4 field trials were provided in support of the application.

The published trial (Yeoh and Lee, *Sociobiology*, 2007), included two types of laboratory assay, tube and petri dish, which were used to assess repellency and toxicity of a range of termiticides (including chlorantraniliprole) by measuring the penetration of treated soil and termite mortality. Tests were conducted at the University of Malaysia using the Asian subterranean termite, *Coptotermes gestroi*. Chlorantraniliprole caused high mortality at label rates. Repellent and non-repellent properties of the chemicals under trial were dependent on concentration.

Laboratory trials (one in the USA and one in Australia) were tube assays and were used to assess repellency and toxicity. In the USA trial, a range of termiticides were tested, including chlorantraniliprole at low label rate. Termites used were the exotic species *Coptotermes formosanus* and *Reticulitermes flavipes*. These trials showed chlorantraniliprole at the low rate was repellent and comparable in toxicity to other termiticides for both termite species tested. In the Australian trial, soil containing 2-year-old residues of chlorantraniliprole was trialled with *Coptotermes acinaciformis* and demonstrated that termites were unable to fully penetrate cores of soil containing the chlorantraniliprole residue.

Three of the field trials included in the submission were evaluations of horizontal and vertical soil barriers using the product formulation against field colonies of subterranean termites. Two Australian trials, one in northern Australia and one near Mangrove Mountain in NSW had been running for three years. Both of these trials were established in rural areas. The main termite species present in northern Australia were *Mastotermes darwiniensis* and *Coptotermes acinaciformis*, while at Mangrove Mountain, *C. acinaciformis* was the main species present. A third multi-state trial in the USA by the US Forest Service had been running for 5 years.

The laboratory trials, were considered as supplementary data that were useful in assessing the comparative efficacy between the termiticides, and indicative of final field performance. Field trials conducted in Australia were suitable for evaluating product performance, were suitably replicated, controlled and conducted against appropriate pest species. Termite feeding pressure in northern Australia was high, and while feeding pressure at Mangrove Mountain was low until the 24th month, it was sufficient to demonstrate product efficacy when used as a post-construction soil barrier.

The northern Australian trial demonstrated that vertical barriers constructed at label rates would resist penetration by *Mastotermes* for up to 3 years and vertical and horizontal barriers would resist *Coptotermes* for up to 2 years. At Mangrove Mountain the trial data supported that barriers would remain effective for up to 3 years against *Coptotermes*,

The last field trial presented was a field evaluation of the product used curatively against subterranean termites in infested houses in several Australian states. The product proved to be an effective curative treatment, successfully eliminating *Coptotermes* and *Schedorhinotermes* infestations in 13 houses. The reviewer considered the trial of the product as a curative treatment for actual infestations to be highly suitable in demonstrating efficacy in this situation.

The efficacy assessment+ concluded that the product would be effective, if used according to the label directions, for the specific periods indicated on the proposed label.

Data relied on to provide the advice

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
37141	S	A Barrett	The third year evaluation of E2Y45 and indoxacarb as a soil barrier against field colonies of the Australian subterranean termites <i>Mastotermes darwiniensis</i> and <i>Coptotermes acinaciformis</i> (mound building form)	July 2009	Efficacy and Safety	Efficacy	Applicant	
37143	S	I Ridley	A bioassay to determine the persistence of the experimental termiticide DPX-E2Y45 20SC in soil cores from horizontal and vertical soil barrier treatments. One trial, Gosford, New South Wales, Australia, 2009	24/Sept/2009	Efficacy and Safety	Efficacy	Applicant	
49025	S	Ridley, I., Farmilo, P.	Evaluation of the Experimental Termiticide DPX-E2Y45 20SC Applied as a Horizontal and Vertical Soil Barrier Treatment to Covered and Uncovered Soi, For the Prevention of Damage to Timber from Subterranean Termites	15/12/2010	Efficacy and Safety	Efficacy	Applicant	
37145	S	T Wagner	Fifth progress report: field evaluation of E2Y against subterranean termites United States Department of Agriculture Forest Service	Sept/2009	Efficacy and Safety	Efficacy	Applicant	
37144	S	W Madden	Field testing of DuPont Altriset termiticide against subterranean termites in infested houses, Australia, 2009	17/Sept/2009	Efficacy and Safety	Efficacy	Applicant	
37140	S	Boon-Hoi Yeoh, Chow-Yang Lee	Tunneling responses of the Asian subterranean termite, <i>Coptotermes gestroi</i> in termiticide-treated sand (Isoptera: Rhinotermitidae)	2007	Efficacy and Safety	Efficacy	Public	
37139	S	C Keefer, R Puckett, R Gold	Laboratory evaluation of multiple concentrations of Aperiion and Altriset termiticides against <i>Reticulitermes flavipes</i> and <i>Coptotermes formosanus</i> (Protocol # PR098957)	24/Jul/2009	Efficacy and Safety	Efficacy	Applicant	

S = Data submitted with the application

I = Data inherited (that is, referenced) from another application