SURROUND® WP CROP PROTECTANT

DOCUMENT L-CP, Section 10

ECOTOXICOLOGICAL STUDIES ON THE PLANT PROTECTION PRODUCT

Legislation
EU Regulation 1107/2009

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Version history

Date	Data points containing amendments or additions and brief description	Document identifier and version number
28/02/2017	Initial applicant's dossier	LCP-S10
15/02/2019	Revised dossier post RMS comments	LCP-S10

CP 10 ECOTOXICOLOGICAL STUDIES ON THE PLANT PROTECTION PRODUCT

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCP 10.2.1/01	Goodband, T.J.	2006	Surround WP crop protectant: Acute toxicity to *Daphnia magna* Report number: 2120/0004 SafePharm Laboratories GLP Unpublished	N	Y	Data never submitted at EU level	Tessenderlo Group N.V.
KCP 10.2.1/02	Vryenhoef, H.	2006	Surround WP crop protectant: Algal inhibition test Report number: 2120/0003 SafePharm Laboratories GLP Unpublished	N	Y	Data never submitted at EU level	Tessenderlo Group N.V.
KCP 10.3.1.1.1/01	Goodband, T.J.	2006	Surround WP crop protectant: Acute toxicity to honeybees (*Apis mellifera*) Report number: 2120/0005 SafePharm Laboratories GLP Unpublished	N	Y	Data never submitted at EU level	Tessenderlo Group N.V.
KCP 10.3.1.2/01	Ansaloni, T.	2018~~9~~	Effects of Surround WP – Chronic oral toxicity to adult worker honey bees, *Apis mellifera* L. under laboratory conditions Report number: TRC17-208BA TrailCamp GLP Unpublished	N	Y	New data in support of submission	Tessenderlo Group N.V.

KCP 10.3.1.3/01	Ansaloni, T.	2017~~9~~	Effects of Surround WP on honeybee larvae (*Apis mellifera* L.) after a repeated exposure under laboratory conditions: non-GLP Range Finding Test Report number: TRC17-184BA Range Finder TrailCamp Non-GLP Unpublished	N	Y	New data in support of submission	Tessenderlo Group N.V.
KCP 10.3.1.6/01	Mayer, D.F.	1999a	Honey bee foraging in pear orchards treated with kaolin particle film Report number: - Non-GLP Unplublished	N	N	Data out of protection,	Tessenderlo Group N.V.
KCP 10.3.1.6/02	Mayer, D.F.	1999b	Honey bee foraging in apple orchards treated with kaolin particle film Report number: - Non-GLP Unplublished	N		Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.2/01	Porcel, M., Cotes, B., and Campos, M.	2011	Biological and behavioural effects of kaolin particle film on larvae and adults of *Chrysoperla carnea* (Neuroptera: Chrysopidae) Report number: - GLP: unknown Published in: Biological Control 59: 98-105	N	N	Not relevant	Public literature
KCP 10.3.2.2/02	Bengochea P., *et al*.	2010	Side effects of kaolin on natural enemies found on olive crops Report number: - GLP: unknown Published in: Pesticides and Beneficial Organisms vol 55: 61-67	N	N	Not relevant	Public literature

KCP 10.3.2.2/03	Bengochea P., *et al*.	2014	Non-target effects of kaolin and copper applied on olive trees for the predatory lacewing *Chrysoperla carnea* Report number: - GLP: unknown Published in: Biocontrol Science and Technology, vol 24, no 6: 625-640	N	N	Not relevant	Public literature
KCP 10.3.2.2/04	Bengochea P., *et al*.	2013	Kaolin and copper-based products applications: Ecotoxicology on four natural enemies Report number: - GLP: unknown Published in: Chemosphere 91: 1189-1195	N	N	Not relevant	Public literature
KCP 10.3.2.2/05	Bengochea, P., Budia, F., Viñuela, E., and Medina, P.	2014	Are kaolin and copper treatments safe to the olive fruit fly parasitoid *Psyttalia concolor*? Report number: - GLP: unknown Published in: J Pest Sci 87: 351-359	N	N	Not relevant	
KCP 10.3.2.2/06	Pease, C.E., López-Olguín, J. F., Pérez-Moreno, I., Marco-Mancebón, V.	2016	Effects of kaolin on *Lobesia botrana* (Lepidoptera: Tortricdae) and its compatibility with the natural enemy, *Trichogramma cacoeciae* (Hymenoptera: Trichogrammatidae) Report number: - GLP: unknown Published in: Journal of Economic Entomology, 109(2): 740-745	N	N	Not relevant	

KCP 10.3.2.4/01	Lepin, J.	2004	Evaluate the efficacy of Surround against *Cacopsylla pyri*, applied just after the end of the winter period Report number: FENG045059 SOLEVI GEP: yes Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/02	Fraser, H.	2002a	Evaluation of a season long insect pest control programme with Surround WP in an Ontario apple orchard Report number: 2002-1 Engelhard GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/03	Fraser, H.	2002b	Evaluation of a season long insect pest control programme with Surround WP in an Ontario apple orchard Report number: 2002-2 Engelhard GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/04	Fraser, H.	2002c	Evaluation of a season long insect pest control programme with Surround WP in an Ontario apple orchard Report number: 2002-5 Engelhard GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.

KCP 10.3.2.4/05	Fraser, H.	2002d	Evaluation of a season long insect pest control programme with Surround WP in an Ontario apple orchard Report number: 2002-6 Engelhard GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/06	Fraser, H.	2002e	Evaluation of a season long insect pest control programme with Surround WP in an Ontario apple orchard Report number: 2002-7 Engelhard GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/07	Peusens, G., and Creemers, O.	2004a	Biological efficacy evaluation of Surround WP against the pear sucker, *Cacopsylla pyri* L., on pear Report number: 20040617 412 BE 388 GEP RSF GEP: yes Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/08	Peusens, G., and Creemers, O.	2004b	Biological efficacy evaluation of Surround WP against the pear sucker, *Cacopsylla pyri* L., on pear Report number: 20040617 460 BE 421 GEP RSF GEP: yes Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.

KCP 10.3.2.4/09	Puterka, G.J.	2001	Impact of Surround® WP Particle Film on Arthropod Predators in Tree Fruits Report number: - USDA GEP: no Unpublished	N	N	Data out of protection	Tessenderlo Group N.V.
KCP 10.3.2.4/10	Pascual, S., Cobos, G., Seris, E., and Gonzalez-Nunez, M.	2010	Effects of processed kaolin on pests and non-target arthropods in a Spanish olive grove Report number: - GEP: - Published in: J Pest Sci 83:121-133	N	N	Not relevant	Public literature
KCP 10.3.2.4/11	Marko, V., Bogya, S., Kondorosy, E., and Blommers, L.H.M	2009	Side effects of kaolin particle films on apple orchard bug, beetle and spider communities Report number: - GEP: - Published in: International Journal of Pest Management vol 56: 189-199	N	N	Not relevant	Public literature
KCP 10.3.2.4/12	Markó, V., Blommers, L.H.M., Bogya, S., Helsen, H.	2006	The effect of kaolin treatments on phytophagous and predatory arthropods in the canopies of apple trees Report number: - GEP: - Published in: J Fruit Ornam Plant Res, 14 (suppl 3): 79-87	N	N	Not relevant	
KCP 10.3.2.4/13	Iannotta, N., Belifiore, T., Noce, M.E., Scalerico, S., Vizzarri, V.	2007	The impact of some compounds utilized in organic olive groves on the non-target arthropod fauna: canopy and soil levels Report number: - GEP: - Published in: Ecoliva 2007, VI Jornadas Internacionales de Olivar Ecologico, Puente de Génave (Jaén), España, 22-25 marzo 2007	N	N	Not relevant	

KCP 10.3.2.4/14	Knight, A.L., Christian-son, B.A., Unruh, T.A.	2001	Impacts of seasonal kaolin particle films on apple pest management Report number: - GEP: - Published in: The Canadian Entomologist 133: 413-428	N	N	Not relevant	
KCP 10.3.2.4/15	Pascual, S., Cobos, G., Medina, P., Budia, F., Viñuela, E., González-Núñez, M.	2010	Field assessment of effects of control strategies against the olive fruit fly (*Bactrocera oleae* (Rossi)) on predatory arthropods: comparison of different methods of data analysis Report number: - GEP: - Published in: Pesticides and Beneficial Organisms IOBC/wprs Bulletin vol 55: 11-18	N	N	Not relevant	
KCP 10.3.2.4/16	Sánchez-Ramos, I., Marcotegui, A., Pascual, S., Fernández, C.E., Cobos, G, González-Núñez, M.	2017	Compatibility of organic farming treatments against *Monosteira unicostata* with non-target arthropod fauna of almond trees canopy Report number: - GEP: - Published in: Spanish Journal of Agricultural Research 15(2), e1004	N	N	Not relevant	
KCP 10.3.2.4/17	Sackett, T.E., Buddle, C.M., Vincent, C.	2007	Effects of kaolin on the composition of generalist predator assemblages and parasitism of *Choristoneura rosaceana* (Lep., Tortridae) in apple orchards Report number: - GEP: - Published in: J. Appl. Entomol. 131(7): 478-485	N	N	Not relevant	

KCP 10.3.2.4/18	Showler, A.T, and Sétamou, M.	2004	Effects of kaolin particle film on selected arthropod populations in cotton in the lower Rio Grande Valley of Texas Report number: - GEP: - Published in: Southwestern Entomologist, 29(2): 137-146	N	N	Not relevant	
KCP 10.3.2.4/19	Scalercio, S., Belfiore, T., Noce, M.E., Vizzarri, V., Iannotta, N.	2010	Impact of kaolin and *Beauveria bassiana* treatments against olive fly on the non-target arthropods of the olive ecosystem Report number: - GEP: - Published in: Acta Horticulurae, 873: 329-336	N	N	Not relevant	