

**AUSTRALIAN PESTICIDES & VETERINARY MEDICINES AUTHORITY**  
**Application Summary for Application No 106347**

**Application Details:**

**Product Name:** BioWorma

**Product No:** 82645

**Applicant Name:** INTERNATIONAL ANIMAL HEALTH PRODUCTS PTY LTD

**Application Purpose and Description of Use:** Registration of a 500,000 chlamydo spores/gram Duddingtonia flagrans (strain IAH 1297), animal feed supplement for use as a natural biological control that captures and consumes infective worm larvae (including multi-resistant) within the manure of grazing animals (sheep, goats, cattle, horses, deer, alpaca, zoo animals).

Active Constituent Name
DUDDINGTONIA FLAGRANS (IAH 1297)

Reference Product Number	Reference Product Name
82646	Livamol with BioWorma

**Description of Data Provided**

Data No	Applicants Reference	Author	Title	Date	Publication	Authorising Party	Auth Party Contact Address
121309	Vol.2-0	International Animal Health Products Pty Ltd	Module 2.2-Chemistry and Manufacture	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121487	Vol. 8-75	Sanyal, P.K. & Mukhopadhyaya, P.N.	Top dressing the feed with desiccated chlamydo spores of Duddingtonia flagrans for biological control of the pre-parasitic stages of ovine Haemonchus contortus.	2003	Veterinary Research Communications	Public	-

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121486	Vol. 8-74	Sanyal, P.K.	Biological control of Haemonchus contortus in sheep by nematophagous fungus, Duddingtonia flagrans.	2001	The Indian Veterinary Journal	Public	-
121485	Vol. 8-73	Santurio, J.M., Zanette, R.A., Silva, A.S.D., Fanfa, V.R., Farret, M.H., Ragagnin, L., Hecktheuer, P.A. & Monteiro, S.G.	A suitable model for the utilization of Duddingtonia flagrans fungus in small-flock-size sheep farms.	2011	Experimental Parasitology	Public	-
121484	Vol. 8-72	Sangues, M.F., Fuse, L.A., Fernandez, A.S., Inglesias, L.E., Moreno, F.C. & Saumell, C.A.	Efficacy of an energy block containing Duddingtonia flagrans in the control of gastrointestinal nematodes of sheep.	2011	Parasitology Research	Public	-
121483	Vol. 8-71	Rocha, R.A., Araujo, J.V. & Amarante, A.F.T.	Efficacy of the nematode-trapping fungus Duddingtonia flagrans against infections by Haemonchus and Trichostrongylus species in lambs at pasture.	2007	Journal of Helminthology	Public	-
121488	Vol. 8-76	Sanyal, P.K. & Mukhopadhyaya, P.N.	Influence of faecal dispersal time of Duddingtonia flagrans chlamydospores on larval translation of ovine Haemonchus contortus.	2003	Indian Journal of Animal Sciences	Public	-
121482	Vol. 8-70	Peart, N.	Evaluation of feeding chlamydospores of Duddingtonia flagrans to ewe/lamb pairs and weaned lambs to biologically control levels of Haemonchus contortus on pasture.	2002	Louisiana State University	Public	-
121480	Vol. 8-68	Knox, M.R. & Faedo, M.	Biological control of field infections of nematode parasites of young sheep with Duddingtonia flagrans and effects of spore intake on efficacy.	2001	Veterinary Parasitology	Public	-

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121479	Vol. 8-67	Lalosevic, V.G., Jarak, M.N., Duric, S.S. & Obradovic, N.S.	The effect of nematophagous fungus Duddingtonia flagrans on the gastrointestinal parasites in sheep.	2011	Zbornik Matice srpske za prirodne nauke	Public	-
121478	Vol. 8-66	Gomez-Rincon, C., Uriarte, J. & Valderrabano, J.	Efficiency of Duddingtonia flagrans against trichostrongyle infections of sheep on mountain pastures.	2006	Veterinary Parasitology	Public	-
121477	Vol. 8-65	Githigia, S.M., Thomsborg, S.M., Larsen, M., Kyvsgaard, N.C. & Nansen, P.	The preventive effect of the fungus Duddingtonia flagrans on trichostrongyle infections of lambs on pasture.	1997	International Journal for Parasitology	Public	-
121476	Vol. 8-64	Fontenot, M.E., Miller, J.E. Pena, M.T., Larsen, M. & Gillespie, A.	Efficiency of feeding Duddingtonia flagrans chlamydospores to grazing ewes on reducing availability of parasitic nematode larvae on pasture.	2003	Veterinary Parasitology	Public	-
121481	Vol. 8-69	Mendoza De Gives, P., Nieto, C.Z., Hernandez, E.L., Arellano, M.E.L., Rodriguez, D.H. & Garduno, R.G.	Biological control of gastrointestinal parasitic nematodes using Duddingtonia flagrans in sheep under natural conditions in Mexico	2006	Annals New York Academy of Sciences	Public	-
121489	Vol. 8-77	Silva, A.R., Araujo, J.V., Braga, F.R., Frassy, L.N., Tavela, A.O., Carvalho, R.O. & Castejon, F.V.	Biological control of sheep gastrointertinal nematodiasis in a tropical region of the southeast of Brazil with the nematode predatory fungi Duddingtonia flagrans and Monacrosporium thaumasium.	2009	Parasitology Research	Public	-
121490	Vol. 8-78	Silva, B.F., Carrizo-Mauad, J.R., Braga, F.R., Campos, A.K., Araujo, J.V. & Amarante, A.F.T.	Efficacy of Duddingtonia flagrans and Arthrobotrys robusta in controlling sheep parasitic gastroenteritis.	2010	Parasitology Research	Public	-

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121491	Vol. 8-79	Waller, P.J., Schwan, O., Ljungstrom, B.L., Rydzik, A. & Yeates G.W.	Evaluation of biological control of sheep parasites using <i>Duddingtonia flagrans</i> under commercial farming conditions on the island of Gotland, Sweden.	2004	Veterinary Parasitology	Public	-
121504	Vol.8-92	Gronvold, J., Nansen, P., Henriksen, S.A., Larsen, M., Wolstrup, J., Bresciani, J., Rawat, H. & Fribert, L	Induction of traps by <i>Ostertagia ostertagi</i> larvae, chlamyospore production and growth rate in the nematode-trapping fungus <i>Duddingtonia flagrans</i> .	1996	Journal of Helminthology	Public	-
121503	Vol.8-91	Waghorn, T.S., Leathwick, D.M. Chen, L.Y. & Skipp, R.A.	Efficacy of the nematode-trapping fungus <i>Duddingtonia flagrans</i> against three species of gastro-intestinal nematodes in laboratory faecal cultures from sheep and goats.	2003	Veterinary Parasitology	Public	-
121502	Vol.8-90	Araujo, J.V., Assis, R.C.L., Campos, A.K. & Mota, M.A.	Antagonistic effect of nematophagous fungi <i>Monacrosporium</i> , <i>Arthrobotrys</i> and <i>Duddingtonia</i> on infective <i>Cooperia</i> sp. and <i>Oesophagostomum</i> sp. larvae.	2006	Brazilian Journal of Veterinary Parasitology	Public	-
121501	Vol.8-89	Wood, I.B., Amaral, N.K., Bairden, K., Duncan, J.L., Kassai, T., Malone, J.B. Jr., Pankavic, J.A., Reinecke, R.K., Slocombe, O., Taylor, S.M. & Vercreu	World Association for the Advancement of Veterinary Parasitology (W.A.A.V.P.) second edition of guidelines for evaluating the efficacy of anthelmintics in ruminants (bovine, ovine, caprine).	1995	Veterinary Parasitology	Public	-
121500	Vol.8-88	Mavrot, F., Hertzberg, H. & Torgerson, P.	Effect of gastro-intestinal nematode infection on sheep performance: a systematic review and meta-analysis.	2015	Parasites & Vectors	Public	-

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121499	Vol. 8-87	Larsen, M., Wolstrup, J., Henrikson, S.A., Dackman, C., Gronvold, J. & Nansen, P.	In vitro stress selection of nematophagous fungi for biocontrol of parasitic nematodes in ruminants.	1991	Journal of Helminthology	Public	-
121498	Vol. 8-86	Ketzis, J.K., Vercruyse, J., Stromberg, B.E., Larsen, M., Athanasiadou, S. & Houdijk, J.G.M.	Evaluation of efficacy expectations for novel and non-chemical helminth control strategies in ruminants.	2006	Veterinary Parasitology	Public	-
121497	Vol. 8-85	Peloille, M.	Selection of nematode trapping fungi for use in biological control.	1991	International Organisation of Biological and Intergrated Control	Public	-
121496	Vol. 8-84	Knox, M.	Biological control of gastrointestinal nematodes and liver fluke in sheep and cattle.	1991	Meat and Livestock Australia Ltd.	Public	-
121495	Vol. 8-83	Epe, C., Holst, C., Koopmann, R., Schnieder, T., Larsen, M. & Himmelstjerna, G.B.S.	Experiences with Duddingtonia flagrans administration to parasitized small ruminants.	2009	Veterinary Parasitology	Public	-
121494	Vol. 8-82	Epe, C., Holst, C., Koopmann, R., Schnieder, T., Larsen, M. & Himmelstjerna, G.B.S.	Investigation on the influence of nematophagous fungi as feed additive on nematode infection risk of sheep and goats on pasture.	2008	Agriculture and Forestry Research	Public	-
121493	Vol. 8-81	Chandrawathani, P., Jamnah, O., Waller, P.J., Larsen, M., Gillespie, A.T. & Zahari, W.M.	Biological control of nematode parasites of small ruminants in Malaysia using the nematophagous fungus Duddingtonia flagrans.	2003	Veterinary Parasitology	Public	-

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121492	Vol. 8-80	Faessler, H., Torgerson, P.R. & Hertzberg, H.	Failure of Duddingtonia flagrans to reduce gastrointestinal nematode infections in dairy ewes.	2007	Veterinary Parasitology	Public	-
121475	Vol. 8-63	Faedo, M., Larsen, M. & Thamsborg, S.	Effect of different times of administration of the nematophagous fungus Duddingtonia flagrans on the transmission of ovine parasitic nematodes on pasture - a plot study.	2000	Veterinary Parasitology	Public	-
121505	Vol.8-93	Gronvold, J., Wolstrup, J., Nansen, P., Henriksen, S.A., Larsen, M., Bjorn, H., Kirchheiner, K., Larsen, K., Rawat, H. & Kristiansen, H.L.	Biotic and abiotic factors influencing growth rate and production of traps by the nematode-trapping fungus Duddingtonia flagrans when induced by Cooperia onchophora larvae.	1999	Journal of Helminthology	Public	-
121474	Vol. 8-62	Faedo, M., Barnes, E.H., Dobson, R.J. & Waller, P.J.	The potential of nematophagous fungi to control the free-living stages of nematode parasites of sheep: Pasture plot study with Duddingtonia flagrans.	1998	Veterinary Parasitology	Public	-
121472	Vol. 8-60	Esker, M., Bakker, N., Kooyman, F.N.J., Olthuis S.O. & Ploegerm H.W.	Effect of biological control through the daily application of spores of Duddingtonia flagrans in lambs kept under an evasive grazing system in the Netherlands.	2006	Veterinary Parasitology	Public	-
121454	Vol. 8-42	Chartier, C. & Pors, I.	Effect of the nematophagous fungus, Duddingtonia flagrans, on the larval development of goat parasitic nematodes: a plot study.	2003	Veterinary Research	Public	-
121453	Vol. 8-41	Wolstrup, J., Gronvold, J., Henriksen, S.A., Nansen, P., Larsen, M., Bogh, H.O. & Ilsoe, B.	An attempt to implement the nematode-trapping fungus Duddingtonia flagrans in biological control of trichostrongyle infections of first year grazing calves.	1994	Journal of Helminthology	Public	-

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121452	Vol. 8-40	Sarkunas, M., Larsen, M., Nansen, P. & Hansen, J.W.	Biological control of trichostrongylid infections in calves on pasture in Lithuania using Duddingtonia flagrans a nematode-trapping fungus.	2000	Journal of Helminthology	Public	-
121451	Vol. 8-39	Sanyal, P.K.	Biological control of pre-parasitic stages of trichostrongyles of cattle with nematophagous fungi, Duddingtonia flagrans.	2000	Journal of Veterinary Parasitology	Public	-
121450	Vol. 8-38	Nansen, P., Larsen .M., Gronvold, J., Wolstrup, J., Zorn, A. & Henriksen, S.A.	Prevention of clinical trichostrongylosis in calves by strategic feeding with the predacious fungus Duddingtonia flagrans.	1995	Parasitology Research	Public	-
121455	Vol. 8-43	Gomez-Rincon, C., Uriarte, J. & Valderrabano, J.	Effect of nematophagous fungus Duddingtonia flagrans and energy supplementation on the epidemiology of naturally infected kids.	2007	Veterinary Research	Public	-
121449	Vol. 8-37	Larsen .M., Nansen, P., Wolstrup, J., Gronvold, J., Henriksen, S.A. & Zorn, A.	Biological control of trichostrongyles in calves by the fungus Duddingtonia flagrans fed to animals under natural grazing conditions.	1995	Veterinary Parasitology	Public	-
121447	Vol. 8-35	Hertzberg H., Maurer V., Heckendorn F., Wanner A., Gutzwiller A. & Mosimann E.	Control of gastrointestinal nematodes in cattle under dry pasture conditions.	2007	Agrarforschung Schweiz	Public	-
121446	Vol. 8-34	Gronvold, J., Wolstrup, J., Larsen .M., Henriksen, S.A. & Nansen, P.	Biological control of Osteragia ostertagi by feeding selected nematode-trapping fungi to calves.	1993	Journal of Helminthology	Public	-

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121445	Vol. 8-33	Fernandez, A.S., Larsen ,M., Henningesen, E., Nansen, P., Gronvold, J. & Wolstrup, J.	Effect of Duddingtonia flagrans against Osterga oostertagi in cattle grazing at different stocking rates	1993	Parasitology	Public	-
121444	Vol. 8-32	Fernandez, A.S., Larsen, M., Nansen, P., Henningesen, E., Gronvold, J., Wolstrup, J., Henriksen, S.A. & Bjorn, H.	The ability of the nematode-trapping fungus Duddingtonia flagrans to reduce the transmission of infective Osteragia ostertagi larvae from faeces to hergabe.	1999	Journal of Helminthology	Public	-
121443	Vol. 8-31	Dimander, S.O., Hoglund, J. & Weller, P.J.	Evaluation of gastro-intestinal nematode parasite control strategies for first-season grazing cattle in Sweden.	2003	Veterinary Parasitology	Public	-
121448	Vol. 8-36	Jobim, M.B., Santurio, J.M. & Rue, R.L.D.L.	Duddingtonia flagrans: Biological control of cattle nematodes in the field.	2008	Ci?¼ncia Rural	Public	-
121456	Vol. 8-44	Maingi, N., Krecek, R.C. & Biljon, N.V.	Control of gastrointestinal nematodes in goats on pastures in South Africa using nematophagous fungi Duddingtonia flagrans and selective anthelmintic treatment.	2006	Veterinary Parasitology	Public	-
121457	Vol. 8-45	Paraud, C., Pors, I. & Chartier, C	Efficiency of feeding Duddingtonia flagrans chlamyospores to control nematode parasites of first-season grazing goats in France.	2007	Veterinary Research Communications	Public	-
121458	Vol. 8-46	Sanyal, P.K., Sarkar, A.K., Patel, N.K., Mandal, S.C. & Pal, S.	Formulation of a strategy for the application of Duddingtonia flagrans to control caprine parasitic gastroenteritis.	2008	Journal of Helminthology	Public	-



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121471	Vol. 8-59	Chandrawathani, P., Jamnah, O., Adnan, M., Waller, P.J., Larsen, M. & Gillespie.	Field studies on the biological control of nematode parasites of sheep in the tropics using the microfungus <i>Duddingtonia flagrans</i> .	2004	Veterinary Parasitology	Public	-
121470	Vol. 8-58	Burke, J.M., Miller, J.E., Larsen, M. & Terrill, T.H.	Interaction between copper oxide wire particles and <i>Duddingtonia flagrans</i> in lambs.	2005	Veterinary Parasitology	Public	-
121469	Vol. 8-57	Nansen, P., Larsen, M., Roepstorff, A., Gronvold, J., Wolstrup, J. & Henriksen, S.A.	Control of <i>Oesophagostomum dentatum</i> and <i>Hyostrogylus rubidus</i> in outdoor-reared pigs by daily feeding with microfungus <i>Duddingtonia flagrans</i> .	1996	Parasitology Research	Public	-
121468	Vol. 8-56	Terry, J.A.	The use of <i>Duddingtonia flagrans</i> for gastrointestinal parasitic nematode control in feces of exotic artiodactylids at Disney's Animal Kingdom.	2013	Louisiana State University.	Public	-
121467	Vol. 8-55	Larsen, M., Nansen, P., Grondahl, S.M., Thamsborg, J., Gronvold, J., Henriksen, S.A., Wolstrup, J., Henriksen, S.A. & Monrad, J.	The capacity of the fungus <i>Duddingtonia flagrans</i> to prevent strongyle infections in foals on pasture.	1996	Parasitology	Public	-
121466	Vol. 8-54	Fernandez, A.S., Larsen, M., Nansen, P., Gronvold, J., Henriksen, S.A. & Wolstrup, J.	Effect of the nematode-trapping fungus <i>Duddingtonia flagrans</i> on the free-living stages of horse parasitic nematodes: a plot study.	1997	Veterinary Parasitology	Public	-
121465	Vol. 8-53	Fernandez, A.S., Henningsen, E., Larsen, M., Nansen, P., Gronvold, J. & Sondergaard, J.	A new isolate of the nematophagous fungus <i>Duddingtonia flagrans</i> as biological control agent against free-living larvae of horse strongyles.	1999	Equine Veterinary Journal	Public	-

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121464	Vol. 8-52	Braga, F.R., Araujo, J.V., Silva, A.R., Araujo, J.M., Carvalho, R.O., Tavela, A.O., Campos, A.K. & Carvalho, G.R.	Tavela, A.O., Campos, A.K. & Carvalho, G.R. (2009) Biological control of horse cyathostomin (Nematoda: Cyathostominae) using the nematophagous fungus <i>Duddingtonia flagrans</i> in tropical southeastern Brazil.	2009	Veterinary Parasitology	Public	-
121463	Vol. 8-51	Baudena, M.A., Chapman, M.R., Larsen, M. & Klei, T.R.	Efficacy of the nematophagous fungus <i>Duddingtonia flagrans</i> in reducing equine cyathostome larvae on pasture in south Louisiana.	2000	Veterinary Parasitology	Public	-
121462	Vol. 8-50	Almeida, G.L., Santurio, M.J., Filho, J.O.J., Zanette, R.A., Camillo, G., Flores, G.A., Silva, J.H.S.D.S. & Rue, M.I.D.I.	Predatory activity of the fungus <i>Duddingtonia flagrans</i> in equine strongyle infective larvae on natural pasture in the Southern Region of Brazil.	2012	Parasitology Research	Public	-
121461	Vol. 8-49	Wright, D.A., McAnulty, R.W., Noonan, M.J. & Stankiewicz.	The effect of <i>duddingtonia flagrans</i> on trichostrongyle infections of Sannen goats on pasture.	2003	Veterinary Parasitology	Public	-
121460	Vol. 8-48	Vilela, V.L.R., Feitosa, T.F., Braga, F.R., Araujo, J.V.D., Souto, V.V.D.O., Santos, H.E.D.S., Silva, G.L.L.D. & Athayde, A.C.R.	Biological control of goat gastrointestinal helminthiasis by <i>Duddingtonia flagrans</i> in a semi-arid region of the northern Brazil.	2012	Veterinary Parasitology	Public	-
121459	Vol. 8-47	Sanyal, P.K. & Mukhopadhyaya, P.N.	Predatory activity and molecular signature of a new Indian isolate of <i>Duddingtonia flagrans</i> for use in biological control of caprine parasitic gastroenteritis	2002	Indian Journal of Animal Sciences	Public	-

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121473	Vol. 8-61	Esker, M., Bakker, N., Hall, Y.A.V.D., Hecke., Kooyman, F.N.J., Linden, D.V.D., Schrama, C. & Ploeger, H.W.	The impact of the daily Duddingtonia flagrans application to lactating ewes on gastrointestinal nematodes infections in their lambs in the Netherlands.	2006	Veterinary Parasitology	Public	-
121442	Vol. 8-30	Dimander, S.O., Hoglund, J. & Weller, P.J.	Seasonal translation of infective larvae of gastrointestinal nematodes of cattle and the effect of Duddingtonia flagrans: a 3-year plot study.	2003	Veterinary Parasitology	Public	-
121506	Vol.8-94	Bird, J. & Herd, R.P.	In vitro assessment of two species of nematophagous fungi (Arthrobotrys oligospora and Arthrobotrys flagrans) to control the development of infective cyathostome larvae from naturally infected horses.	1995	Veterinary Parasitology	Public	-
121508	Vol.8-96	Araujo, J.M., Araujo, J.V., Braga, F.R., Tavela, A.D.O., Ferreira, S.R., Soares, F.E.D.F. & Carvalho, G.R.	Control of Strongyloides westeri by nematophagous fungi after passage through the gastrointestinal tract of donkeys.	2012	Brazilian Journal of Veterinary Parasitology	Public	-
121553	Vol.8-141	Food and Agriculture Organisation of the United Nations	Biological control of gastro-intestinal nematodes of ruminants using predacious fungi.	1997	Food and Agriculture Organisation of the United Nations	Public	-
121552	Vol.8-140	Sutherland, I.A., Shaw, J. & Shaw, R.J.	The production costs of anthelmintic resistance in sheep managed within a monthly preventive drench program.	2010	Veterinary Parasitology	Public	-
121551	Vol.8-139	Miller, C.M., Waghorn, T.S., Leathwick, D.M., Candy, P.M., Oliver, A-M.B & Watson, T.G.	The production cost of anthelmintic resistance in lambs.	2012	Veterinary Parasitology	Public	-

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121550	Vol.8-138	Sackett, D. & Holmes, P.	Assessing the economic cost of endemic disease on the profitability of Australian beef cattle and sheep producers.	2006	Meat & Livestock Australia Limited	Public	-
121549	Vol.8-137	Kornele, M.L., McLeane, M.J., O'Brien, A.E. & Phillippi, A.M.	Antiparasitic resistance and grazing livestock in the United States.	2014	Journal of the American Veterinary Medical Association	Public	-
121554	Vol.8-142	Thamsborg, S.M.	CARES - Coping with anthelmintic resistance in Ruminants. European Animal Health & Welfare Research.	2015	European Animal Health & Welfare Research. <a href="http://database.scar-cwg-ahw.org/?w=view&amp;id=2655#EMIDA18">http://database.scar-cwg-ahw.org/?w=view&amp;id=2655#EMIDA18</a>	Public	-
121548	Vol.8-136	Barnes, E.H., Dobson, R.J. & Barger, I.A.	Worm control and anthelmintic resistance: adventures with a model	1995	Parasitology Today	Public	-
121546	Vol.8-134	Jagla, E., Jodkowska, E. & Popiolek, M.	Alternative methods for the control of gastrointestinal parasites in horses with a special focus on nematode predatory fungi: a review.	2013	Annal Animal science	Public	-
121545	Vol.8-133	Soder, K.J. & Holden, L.A.	Review: Use of nematode-trapping fungi as a biological control in grazing livestock.	2005	The Professional Animal Scientist	Public	-
121544	Vol.8-132	International Animal Health Products	Dose titration of Duddingtonia flagrans for the biological control of nematode parasites.	2005	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121543	Vol.8-131	Fernandez, A.S., Larsen, M., Nansen, P., Gronvold, J., Henriksen, S.A., Bjorn, H. & Wolstrup, J.	The efficacy of two isolates of the nematode-trapping fungus Duddingtonia flagrans against Dictyocaulus viviparus larvae in faeces.	1999	Verterinary Parasitology	Public	-

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121542	Vol.8-130	Balan, F.L.A., Mendoza de Gives. P., Arellano, M.E.L., Hernandez, E.L., Prats, V.V., Miranda, E.M. & Nolasco, A.M.O.D.M.	Evaluating a combined method of control of the ovine haemonchosis under controlled condition.	2008	Tecnica Pecuaria en México	Public	-
121547	Vol.8-135	Kaufmann, J	Parasitic Infections of Domestic Animals - A diagnostic manual.	1996	Parasitic Infections of Domestic Animals - A diagnostic manual.	Public	-
121555	Vol.8-143	Leathwick, D.M. & Besier, R.B.	The management of anthelmintic resistance in grazing ruminants in Australasia - Strategies and experiences.	2014	Veterinary Parasitology	Public	-
121556	Vol.8-144	Playford, M.C., Smith, A.N., Love, S., Besier, R.B., Kliver, P. & Bailey, J.N.	Prevalence and severity of anthelmintic resistance in ovine gastrointestinal nematodes in Australia (2009-2012)	2014	Australian Veterinary Journal	Public	-
121557	Vol.8-145	International Animal Health Products Pty Ltd	BioWorma Pasture Larvae Studies.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121570	Vol.5-16	International Animal Health Products	Validation of an Analytical Method for the Analysis of metabolites.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121569	Vol.5-0	International Animal Health Products	Residues Module 5.4	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121568	Vol.3-24	International Animal Health Products	Report on Laboratory-scale Production of <i>Duddingtonia flagrans</i> Spores.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121567	Vol.3-18	International Animal Health Products	Toxicological analysis and risk assessment of metabolites produced by <i>Duddingtonia flagrans</i> , the active constituent of BioWorma.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121566	Vol.3-12	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121565	Vol.3-11	International Animal Health Products Pty Ltd	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121564	Vol.3-10	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121563	Vol.3-9	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121562	Vol. 3-5	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121561	Vol. 3-4	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121560	Vol. 3-3	International Animal Health Products	Toxicology study.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121559	Vol.3-0	International Animal Health Products	Toxicology Module 3.3	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121558	Vol.7-23	Gronvold, J., Wolstrup, J., Larsen, M.,Nansen, P. & Bjorn, H.	Absence of obvious short term impact of the nematode-trapping fungus <i>Duddingtonia flagrans</i> on survival and growth of the earthworm <i>Aporrectodea longa</i> .	2000	Acta Veterinaria Scandinavica	Public	-
121541	Vol.8-129	Mendoza De Gives, P., Davies, K.G., Clark, S.J. & Behnke, J.M.	Predatory behaviour of trapping fungi against srf mutants of <i>Caenorhabditis elegans</i> and different plant and animal parasitic nematodes.	1999	Parasitology	Public	-
121507	Vol.8-95	Araujo, J.M., Araujo, J.V., Braga, F.R. & Carvalho, R.O.	In vitro predatory activity of nematophagous fungi and after passing through gastrointestinal tract of equine on infective larvae of <i>Strongyloides westeri</i> .	2010	parasitology research	Public	-
121540	Vol.8-128	Khan, F.A., Singh, D., Swarnkar, C.P., Tiwari, R. & Tiwari, J.	Biological control of gastro intestinal nematodes of sheep in Rajasthan state (India): Screening of nematophagous fungi locally isolated from fresh faeces of sheep	2009	Indian Journal of Animal Sciences	Public	-

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121538	Vol.8-126	Waller, P.J., Knox, M.R. & Faedo, M.	The potential of nematophagous fungi to control the free-living stages of nematode parasites of sheep feeding on block studies with <i>Duddingtonia flagrans</i> .	2001	Veterinary Parasitology	Public	-
121520	Vol.8-108	Paraud, C. & Chartier, C.	Biological control of infective larvae of a gastro-intestinal nematode ( <i>teladorsagia circumcincta</i> ) and a small lungworm ( <i>Muellerius capillaris</i> ) by <i>Duddingtonia flagrans</i> in goat faeces.	2003	Parasitology Research	Public	-
121519	Vol.8-107	Larsen, M., Wolstrup, J., Henriksen, S.A., Gronvold, J. & Nansen, P.	In vivo passage through calves of nematophagous fungi selected for biocontrol of parasitic nematodes.	1992	Journal of Helminthology	Public	-
121518	Vol.8-106	Larsen, M., Faedo, M., Waller, P.J. & Hennessy, D.R.	The potential of nematophagous fungi to control the free-living stages of nematode parasites of sheep: Studies with <i>Duddingtonia flagrans</i> .	1998	Veterinary Parasitology	Public	-
121517	Vol.8-105	Kahn, L.P., Norman, T.M., Walkden-Brown, S.W., Crampton, A. & O'Connell, L.J.	Trapping efficacy of <i>Duddingtonia flagrans</i> against <i>Haemonchus contortus</i> at temperatures existing at lambing in Australia.	2007	Veterinary Parasitology	Public	-
121516	Vol.8-104	Henriksen, S.A., Larsen, M., Gronvold, J., Nansen, P. & Woldstrup, J.	Nematode-trapping fungi in biological control of <i>Dictyocaulus viviparus</i> .	1997	Acta Veterinaria Scandinavica	Public	-
121521	Vol.8-109	Paraud, C., Cabaret, J., Pors, I. & Chartier, C.	Impact of the nematophagous fungus <i>Duddingtonia flagrans</i> on <i>Muellerius capillaris</i> larvae in goat faeces.	2005	Veterinary Parasitology	Public	-



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121515	Vol.8-103	Gronvold, J., Wolstrup, J., Larsen, M., Gillespie, A. & Giacomazzi, F.	Interspecific competition between the nematode-trapping fungus, <i>Duddingtonia flagrans</i> , and selected microorganisms and the effect of the spore concentration on the efficacy of nematode trapping.	2004	Journal of Helminthology	Public	-
121513	Vol.8-101	Fernandez, A.S., Larsen, M., Nansen, P., Gronvold, J., Henriksen, S.A., Bjorn, H. & Wolstrup, J.	The efficacy of two isolates of the nematode-trapping fungus <i>Duddingtonia flagrans</i> against <i>Dictyocaulus viviparus</i> larvae in faeces.	1999	Veterinary Parasitology	Public	-
121512	Vol.8-100	Araujo, J.V., Freitas, B.W., Vieira, T.C. & Campos, A.K.	Evaluation of nematode predacious fungus <i>Duddingtonia flagrans</i> on infective <i>Haemonchus contortus</i> and <i>Strongyloides papillosus</i> larvae in goats.	2006	Brazilian Journal of Veterinary Parasitology	Public	-
121511	Vol.8-99	Cassilas Aguilar, J.A., Gives, P.M.D., Lopez-Arellano, M.E. & Hernandez, E.L.	Evaluation of multinutritional pellets containing <i>Duddingtonia flagrans</i> chlamydospore for the control of Ovine Haemonchosis.	2008	Animal Biodiversity and Emerging Diseases.	Public	-
121510	Vol.8-98	Campos, A.K., Araujo, J.V. & Guimaraes, M.P.	Interaction between the nematophagous fungus <i>Duddingtonia flagrans</i> and infective larvae of <i>Haemonchus contortus</i> (Nematode: Trichostrongyloidea)	2008	Journal of Helminthology	Public	-
121509	Vol.8-97	Buske, R., Santurio, J.M., Oliveira, C.V.D., Bianchini, L.A., Silva, J.H.S.D. & Rue, M.L.D.L.	In vitro influence of temperature on the biological control activity of the fungus <i>Duddingtonia flagrans</i> against <i>Haemonchus contortus</i> in sheep.	2012	Parasitology Research	Public	-

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121514	Vol.8-102	Flores-Crespo, J., Herrera-Rodriguez, D., Mendoza de Gives. P., Liebano-Hernandez, E., Vazquez-Prats, V.M. & Lopez-Arellano, M.E.	The predatory capability of three nematophagous fungi in the control of Haemonchus contortus infective larvae in ovine faeces.	2003	Journal of Helminthology	Public	-
121522	Vol.8-110	Paraud, C., Pors, I., Chicard, C. & Chartier, C.	Comparative efficacy of the nematode-trapping fungus Duddingtonia flagrans against Haemonchus contortus, Teladorsagia circumcincta and Trichostrongylus colubriformis in goat faeces: influence of the duration and of the temperature of coproculture.	2006	Parasitology Research	Public	-
121523	Vol.8-111	Paz-Silva, A., Francisco I., Valero-Coss, R.O., Cortinas, F.J., Sanchez, J.A., Francisco, R., Arias, M., Suarez, J.L., Lopez-Arellano, M.E., Sanchez-	Ability of the fungus Duddingtonia flagrans to adapt to the cyathostomin egg-output by spreading chlamydo spores.	2011	Veterinary Parasitology	Public	-
121524	Vol.8-112	Pena, M.T., Miller, J.E., Fontenot, M.E., Gillespie, A. & Larsen, M.	Evaluation of Duddingtonia flagrans in reducing infective larvae of Haemonchus contortus in feces of sheep.	2002	Veterinary Parasitology	Public	-
121537	Vol.8-125	Silva, A.R., Araujo, J.V., Braga, F.R., Alves, C.D.F. & Frassy, L.N.	Activity in vitro of fungal conidia of Duddingtonia flagrans and Monacrosporium thaumasium on Haemonchus contortus infective larvae.	2011	Journal of Helminthology	Public	-
121536	Vol.8-124	Paraud, C., Pors, I. & Chartier, C.	Activity of Duddingtonia flagrans on Trichostrongylus colubriformis larvae in goat feces and interaction with a benzimidazole treatment.	2004	Small Ruminant Research	Public	-

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121535	Vol.8-123	Mendoza de Gives, P., Crespo, J.F., Rodriguez, D.H., Pratz, V.V., Hernandez, E.L. & Fernandez, G.E.O.	Biological control of Haemonchus contortus infective larvae in ovine faeces by administering an oral suspension of Duddingtonia flagrans chlamydo spores to sheep.	1998	Journal of Helminthology	Public	-
121534	Vol.8-122	Faedo, M., Larsen, M. & Waller, P.J.	The potential of nematophagous fungi to control the free-living stages of nematode parasites of sheep: Comparison between Australian isolates of Arthrobotrys spp. and Duddingtonia flagrans	1997	Veterinary Parasitology	Public	-
121533	Vol.8-121	Chandrawathani, P., Jamnah, O., Waller, P.J., Høglund, J., Larsen, M. & Zahari, W.M.	Nematophagous fungi as a biological control agent for nematode parasites of small ruminants in Malaysia: a special emphasis on Duddingtonia flagrans.	2002	Veterinary Research	Public	-
121532	Vol.8-120	Fernandez, A.S., Larsen, M., Nansen, P., Gronvold, J., Henriksen, S.A., Bjorn, H., & Woldstrup, J.	The efficacy of two isolates of the nematode-trapping fungus Duddingtonia flagrans against Dictyocaulus viviparus larvae in faeces.	1999	Veterinary Parasitology	Public	-
121531	Vol.8-119	Braga, F.R., Araujo, J.V., Silva, A.R., Carvalho, R.O., Araujo, J.M., Ferreira, S.R. & Benjamin, L.A.	Predatory activity of the nematophagous fungus Duddingtonia flagrans on horse cyathostomin infective larvae.	2010	Tropical & Animal Health and Production	Public	-

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121530	Vol.8-118	Fitz-Aranda, J.A., Mendoza de Gives, P., Torres-Acosta, J.F.J., Liebano-Hernandez, E., Lopez-Arellano, M.E., Sandoval-Castro, C.A. & Quiroz-Romero, H.	Duddingtonia flagrans chlamydosporos in nutritional pellets: effect of storage time and conditions on the trapping ability against Haemonchus contortus larvae.	2015	Journal of Helminthology	Public	-
121529	Vol.8-117	Silva, M.E.D., Braga, F.R., Gives, P.M.D., Uriostegui, M.A.M., Reyes, M., Rodrigues, F.B. & Araujo, J.V.	Efficacy of Clonostachys rosea and Duddingtonia flagrans in reducing the Haemonchus contortus infective larvae.	2015	Hindawi Publishing Corporation BioMed Research International	Public	-
121528	Vol.8-116	Khan, F.A, Swarnkar, C.P., Singh, D., Bhagwan, P.S.K. & Dubey, S.C.	Nematophagous fungi isolated from sheep faeces: A promising biological control of Haemonchus contortus.	2001	Indian Journal of Animal Sciences	Public	-
121527	Vol.8-115	Waruiru, R.M.	The influence of faecal egg counts and fungal dose levels on the nematode-trapping capability of Duddingtonia flagrans against free-living stages of gastrointestinal nematodes of cattle.	2001	Indian Journal of Animal Sciences	Public	-
121526	Vol.8-114	Tavela, A.O., Araujo, J.V., Braga, F.R., Araujo, J.M., Magalhaes, L.Q., Silveira, W.F. & Borges, L.A.	In vitro association if nematophagous fungi Duddingtonia flagrans (AC001) and Pochonia chlamydosporia (VC1) to control horse cyathostomin (Nematoda: Strongylidae).	2012	Biocontrol Science and Technology	Public	-

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121525	Vol.8-113	Silva, M.E.D., Araujo, J.V.D., Braga, F.R., Soares, F.E.D.F. & Rodrigues, D.S.	Control of infective larvae of gastrointestinal nematodes in heifers using difference isolates of nematophagous fungi.	2013	Brazilian Journal of $\frac{1}{4}$ Veterinary Parasitology	Public	-
121539	Vol.8-127	Khan, F.A., Swarnkar, C.P., Singh, D., Bhagwan, P.S.K. & Dubby, S.C.	Predacious activity of Duddingtonia flagrans against Haemonchu contorus larvae in faeces after passage through the gastro-intestinal tract of sheep.	2002	Indian Journal of Animal Sciences	Public	-
121441	Vol. 8-29	Dias, A.S., Araujo, J.V., Campos, A.K., Braga, F.R. & Fonseca, T.A.	Application of a formulation of the nematophagous fungus Duddingtonia flagrans in the control of cattle gastrointestinal nematodiosis.	2007	World Journal of Microbiology & Biotechnology	Public	-
121440	Vol. 8-28	Assis, R.C.L., Luns, F.D., Araujo, J.V. & Braga, F.R.	Biological control of trichostrongyles in beef cattle by the nematophagous fungus Duddingtonia flagrans in tropical Brazil.	2012	Experimental Parasitology	Public	-
121439	Vol. 8-27	Assis, R.C.L., Luns, F.D., Araujo, J.V., Braga, F.R., Assis, R.L., Marcelino, J.L., Freitas, P.C. & Andrade, M.A.S	Comparison between the action of nematode predatory fungi Duddingtonia flagrans and Monacrosporium thaumasium in the biological control of bovine gastrointestinal nematodiosis in tropical southeastern Brazil.	2013	Veterinary Parasitology	Public	-
121354	Vol.2-53	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 14/09/2012	2012	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121353	Vol.2-52	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 28/06/2013	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121352	Vol.2-51	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 31/03/2014	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121351	Vol.2-50	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 15/05/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121350	Vol.2-45	International Animal Health Products Pty Ltd	Manufacturing Instructions. Livamol with BioWorma	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121355	Vol.2-54	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 13/08/2010	2010	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121349	Vol.2-44	International Animal Health Products Pty Ltd	Finished Product Specification. Livamol with BioWorma.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121347	Vol.2-42	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121346	Vol.2-41	International Animal Health Products Pty Ltd	Development and Validation of an Analytical Method for the Analysis of metabolites in Fungal Concentrates.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121345	Vol.2-40	International Animal Health Products Pty Ltd	SOP G47 - Determination Moisture Content	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121344	Vol.2-39	International Animal Health Products Pty Ltd	Certificate of analysis Dated 30/09/2011	2011	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121343	Vol. 2-36	Saxena, G. & Lysek, G.	Observation of nematophagous fungi in natural soils by fluorescence microscopy and their correlation with isolation.	1993	Mycological Research	Public	-
121348	Vol.2-43	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 10/05/2013	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121356	Vol.2-55	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121357	Vol.2-56	International Animal Health Products Pty Ltd	Raw Material Specification.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121358	Vol.2-57	International Animal Health Products Pty Ltd	Raw Material Specification	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121371	Vol.2-74	International Animal Health Products Pty Ltd	Determination of the physical-chemical properties of Duddingtonia flagrans strain IAH1297.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121370	Vol.2-73	International Animal Health Products Pty Ltd	Packing Specification 25 kg Livamol with BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121369	Vol.2-72	International Animal Health Products Pty Ltd	Packing Specification 20 kg Livamol with BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121368	Vol.2-71	International Animal Health Products Pty Ltd	Packing Specification 10 kg Livamol with BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121367	Vol.2-70	International Animal Health Products Pty Ltd	Packing Specification 2 kg Livamol with BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121366	Vol.2-68	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 23/04/2010	2010	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121365	Vol.2-67	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 04/12/2009	2009	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA



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121364	Vol.2-63	International Animal Health Products Pty Ltd	Raw Material Specification	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121363	Vol.2-62	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121362	Vol.2-61	International Animal Health Products Pty Ltd	Raw Material Specification.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121361	Vol.2-60	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121360	Vol.2-59	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121359	Vol.2-58	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121342	Vol.2-35	International Animal Health Products Pty Ltd	Packing Specification 1000 kg Bulk Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121372	Vol.2-75	International Animal Health Products Pty Ltd	Five Batch Analysis for Duddingtonia flagrans IAH1297.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121341	Vol.2-34	International Animal Health Products Pty Ltd	Packing Specification 25 kg BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121339	Vol.2-32	International Animal Health Products Pty Ltd	Packing Specification 20L pail & lid	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121321	Vol.2-13	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121320	Vol.2-12	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121319	Vol.2-11	International Animal Health Products Pty Ltd	Certificate of Analysis	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121318	Vol.2-10	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 28/04/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121317	Vol.2-9	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 28/04/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121322	Vol.2-14	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121316	Vol.2-8	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 1/09/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121314	Vol.2-6	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 14/07/2014	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121313	Vol.2-5	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 1/09/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121312	Vol.2-3	International Animal Health Products Pty Ltd	Raw Material Specification - Duddingtonia fragrans (IAH 1297).	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121311	Vol.2-2	Mycobank	Mycobank Search â?? Duddingtonia fragrans. (2016).	2016	Mycobank ( <a href="http://www.mycobank.org/name/Duddingtonia%20fragrans.">http://www.mycobank.org/name/Duddingtonia%20fragrans.</a> )	Public	-

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121310	Vol.2-1	International Animal Health Products Pty Ltd	Duddingtonia flagrans IAH 1297 Register	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121315	Vol.2-7	International Animal Health Products Pty Ltd	Certificate of Analysis Dated 2/09/2015	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121323	Vol.2-15	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121324	Vol.2-16	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121325	Vol.2-17	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121338	Vol.2-31	International Animal Health Products Pty Ltd	Packing Specification 10 kg BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121337	Vol.2-30	International Animal Health Products Pty Ltd	Packing Specification 2 kg BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121336	Vol.2-29	The European Commission	European Union Regulations (2013). Regulation No 283/2013.	2013	Official Journal of the European Union <a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:093:0001:0084:EN:PDF">http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2013:093:0001:0084:EN:PDF</a>	Public	-
121335	Vol.2-28	International Animal Health Products Pty Ltd	Manufacturing Instructions. BioWorma	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121334	Vol.2-27	International Animal Health Products Pty Ltd	Packing Specification Grey IAH bag 20/25kg	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121333	Vol.2-26	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121332	Vol.2-25	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121331	Vol.2-24	International Animal Health Products Pty Ltd	Raw Material Specification.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121330	Vol.2-23	International Animal Health Products Pty Ltd	Finished Product Specification. BioWorma.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121329	Vol.2-21	British Pharmacopoeia	Microbiological Examination of Non-sterile Products.	2015	British Pharmacopoeia 2015	Public	-
121328	Vol.2-20	International Animal Health Products Pty Ltd	Validation of the Test Method for enumeration of Duddingtonia flagrans spores in spore concentrates, animal feeds and feed supplements.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121327	Vol.2-19	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121326	Vol.2-18	International Animal Health Products Pty Ltd	Certificate of Analysis	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121340	Vol.2-33	International Animal Health Products Pty Ltd	Packing Specification 20 kg BioWorma Bag	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121373	Vol.2-76	Thomas, A.	Permit to Import Quarantine Material	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121374	Vol.2-77	Thomas, A.	Permit to Import Quarantine Material	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121375	Vol.2-78	International Animal Health Products Pty Ltd	BioWorma Manufacturing Flow Chart.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121421	Vol. 6-56	Keilhorn, J., MelchingKolnub, S. & Mangelsdorf, I.	Dermal Absorption (Environmental Health Criteria 235)	2006	WHO ( <a href="http://www.who.int/ipcs/publications/ehc/ehc235.pdf?ua=1">http://www.who.int/ipcs/publications/ehc/ehc235.pdf?ua=1</a> )	Public	-
121420	Vol. 6-55	Bos, J.D. & Meinardi, M.M.H.M.	The 500 Dalton rule for the skin penetration of chemical compounds and drugs.	2000	Experimental Dermatology	Public	-
121419	Vol. 6-54	International Animal Health Products Pty Ltd	Livamol with BioWorma text label.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121418	Vol.6-53	International Animal Health Products Pty Ltd	Work Health & Safety Statement.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121417	Vol.6-52	International Animal Health Products Pty Ltd	Toxicology overview of Duddingtonia flagrans strain IAH 1297.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121422	Vol.6-60 1to7	International Animal Health Products Pty Ltd	Confirmation of the Safety of BioWorma at elevated dose rates.	2009	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121416	Vol. 6-40	International Animal Health Products Pty Ltd	Livamol with BioWorma. Safety Data Sheet.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121414	Vol. 6-38	U.S. Food and Drug Admission	Food Additive Status List.	2016	U.S. Department of Health and Human Services <a href="http://www.fda.gov/Food/IngredientsPackagingLabeling/FoodAdditivesIngredients/ucm091048.htm#ftnB">http://www.fda.gov/Food/IngredientsPackagingLabeling/FoodAdditivesIngredients/ucm091048.htm#ftnB</a>	Public	-
121413	Vol. 6-37	International Animal Health Products Pty Ltd	Certificate of Analysis Date: 15/07/2013	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121412	Vol. 6-36	International Animal Health Products Pty Ltd	The fermentation, isolation, properties and stability of the Duddingtonia flagrans metabolites.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121411	Vol. 6-35	Safe Work Australia	Guidance On The Interpretation Of Workplace Exposure Standards For Airborne Contaminants.	2013	Safe Work Australia ( <a href="http://www.safeworkaustralia.gov.au/sites/SWA/about/Publications/Documents/771/Guidance-interpretation-workplace-exposure-standards">http://www.safeworkaustralia.gov.au/sites/SWA/about/Publications/Documents/771/Guidance-interpretation-workplace-exposure-standards</a> )	Public	-



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121410	Vol. 6-34	International Animal Health Products Pty Ltd	Certificate of Analysis Date: 15/07/2013	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121415	Vol. 6-39	International Animal Health Products Pty Ltd	Duddingtonia flagrans IAH 1297 Safety Data Sheet	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121423	Vol.6-61 1to10	International Animal Health Products Pty Ltd	Confirmation of the safety of BioWorma when applied orally to cattle.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121424	Vol.6-62 1to12	International Animal Health Products Pty Ltd	Confirmation of the safety of BioWorma when applied orally to horses.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121425	Vol.6-63	European Food Safety Authority	Threshold of toxicology concern	2016	European Food Safety Authority ( <a href="http://www.efsa.europa.eu/en/topics/topic/thresholdtoxicologicalconcern">http://www.efsa.europa.eu/en/topics/topic/thresholdtoxicologicalconcern</a> )	Public	-
121438	Vol. 8-12	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of worm burdens in sheep.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121437	Vol. 8-11	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of worm burdens in sheep.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121436	Vol. 8-10	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of worm burdens in sheep.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121435	Vol. 8-9	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of worm burdens in sheep.	2009	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121434	Vol. 8-8	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from horse faeces.	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121433	Vol. 8-7	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from horse faeces.	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121432	Vol. 8-6	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from horse faeces on pasture.	2009	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121431	Vol. 8-5	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from goat faeces.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121430	Vol. 8-4	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from goat faeces.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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Data No	Applicants Reference	Author	Title	Date	Publication	Authorising Party	Auth Party Contact Address
121429	Vol. 8-3	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from goat faeces.	2012	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121428	Vol. 8-2	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from cattle faeces.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121427	Vol. 8-1	International Animal Health Products Pty Ltd	Field evaluation of BioWorma for the reduction of nematode larval emergence from cattle faeces.	2012	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121426	Vol. 8-0	International Animal Health Products Pty Ltd	Efficacy & Safety Module 8.1	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121409	Vol. 6-33	International Animal Health Products Pty Ltd	Certificate of Analysis Date: 15/07/2013	2013	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121408	Vol. 6-32	Durand, D.T., Boshoff, H.M., Michael, L.M., & Krecek, R.C.	Survey of nematophagus fungi in South Africa.	2005	Onderstepoort Journal of Veterinary Research	Public	-
121407	Vol. 6-25	International Animal Health Products Pty Ltd	BioWorma text label.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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Data No	Applicants Reference	Author	Title	Date	Publication	Authorising Party	Auth Party Contact Address
121406	Vol. 6-24	International Animal Health Products Pty Ltd	BioWorma Safety Data Sheet.	2014	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121388	Vol. 7-9	Dimander, S.O., Högglund, J. & Weller, P.J.	Disintegration of Dung Pats from Cattle Treated with Ivermectin Anthelmintic Bolus, or the Biocontrol Agent Duddingtonia flagrans.	2003	Acta Veterinaria Scandinavica	Public	-
121387	Vol. 7-8	International Animal Health Products Pty Ltd	Biology of Duddingtonia flagrans and effects on non-target organisms.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121386	Vol. 7-6	Sanyal, P.K., Sarkar, A.K., Patel, N.K., Pal, S. & Mandal, S.C.	Evaluation of Chhattisgarh isolate of nematode trapping fungus for their short-term environmental impact: Studies with earthworm and mice.	2008	Journal of Veterinary Parasitology	Public	-
121385	Vol. 7-5	Saumell, C.A., Fernandez, A.S., Echevarria, F., Goncalves, I., Iglesias, L., Sagues, M.F. & Rodriguez E.M.	Lack of negative effects of biological control agent Duddingtonia flagrans on soil nematodes and other nematophagous fungi.	2015	Journal of Helminthology	Public	-
121384	Vol. 7-4	Yeates, G., Dimander, S.O., Waller, P. & Högglund, J.	Environmental Impact on Soil Nematodes Following the Use of Ivermectin Sustained-release Bolus or Nematophagous Fungus Duddingtonia flagrans to Control Nematode Parasites of Cattle in Sweden.	2002	Acta Agriculturae Scandinavica	Public	-
121383	Vol. 7-3	Faedo, M., Larsen, M., Dimander, S.O., Yeates G.W., Högglund, J. & Weller, P.J.	Growth of the Fungus Duddingtonia flagrans in Soil Surrounding Feces Deposited by Cattle or Sheep Fed the Fungus to control Nematode Parasites.	2002	Biological Control	Public	-

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Data No	Applicants Reference	Author	Title	Date	Publication	Authorising Party	Auth Party Contact Address
121382	Vol. 7-2	Knox, R.M., Josh, P.F., & Anderson, L.J.	Deployment of Duddingtonia flagrans in an improved pasture system: dispersal, persistence, and effects on free-living soil nematodes and microarthropods.	2002	Biological Control	Public	-
121381	Vol. 7-1	European Food Safety Authority	Opinion of the Scientific Panel on Additives and Products or Substances used in Animal Feed on the Safety of the micro-organism preparation of Duddingtonia flagrans, for use as a feed additive for calves in accordance with Council Directive 70/524/EEC.	2006	The European Food Safety Authority Journal	Public	-
121380	Vol. 7-0	Internatinal Animal Health Products Pty Ltd	Environment Module 7.1	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121379	Vol.2-84	Ahren, D., Faedo, M., Rajashekar, B. & Tunlid, A.	Low genetic diversity among isolates of the nematode-trapping fungus Duddingtonia flagrans: evidence for recent worldwide dispersion from a single common ancestor.	2003	Mycological Research	Public	-
121378	Vol.2-83	International Animal Health Products Pty Ltd	Determination of Sensible Characteristic.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121377	Vol.2-82	International Animal Health Products Pty Ltd	Stability Report for D. flagrans (IAH 1297), BioWorma and Livamol with BioWorma.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121376	Vol.2-79	International Animal Health Products Pty Ltd	Livamol with BioWorma Manufacturing Flow Chart	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121389	Vol. 7-10	Paraud, C., Lumaret. J.P., Cartier. C.	Lack of effect of the nematophagous fungus <i>Duddingtonia flagrans</i> on the development of the dung beetle, <i>Aphodius constans</i> .	2007	Small Ruminant Research	Public	-
121571	Vol.2-85	International Animal Health Products Pty Ltd	DNA sequence analysis of <i>Duddingtonia flagrans</i> isolate.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121390	Vol. 7-11	Grønvold, J., Wolstrup. J., Larsen. M., Gillespie. A. & Giacomazzi. F.	Interspecific competition between the nematode-trapping fungus, <i>Duddingtonia flagrans</i> , and selected microorganisms and the effect of spore concentration on the efficacy of nematode trapping.	2004	Journal of Helminthology	Public	-
121392	Vol. 7-13	Paraud, C., Lorrain, R., Pors, I. & Chartier, C.	Administration of the nematophagous fungus <i>Duddingtonia flagrans</i> to goats: an evaluation of the impact of this fungus on the degradation of faeces and on free-living soil nematodes.	2012	Journal of Helminthology	Public	-
121405	Vol. 6-19	Anderson, M. G., Boshoff, H. M., Michael R. W. & Lacey, E.	Structures of Flagranones A, B and C, Cyclohexenoxide Antibiotics from the Nematode-trapping Fungus <i>Duddingtonia flagrans</i> .	1999	Journal Antibiotics	Public	-
121404	Vol. 6-5	International Animal Health Products Pty Ltd	Particle Shape of BioWorma.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121403	Vol. 6-4	International Animal Health Products Pty Ltd	Dustiness of BioWorma.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA

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121402	Vol. 6-3	International Animal Health Products Pty Ltd	Pour and Tap Density of BioWorma.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121401	Vol. 6-2	International Animal Health Products Pty Ltd	Dry Sieve Analysis of BioWorma.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121400	Vol.6-0	International Animal Health Products Pty Ltd	Occupation Health & Safety Module 6.2	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121399	Vol. 7-22	International Animal Health Products Pty Ltd	Environmetal Test Waivers.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121398	Vol. 7-19	International Animal Health Products Pty Ltd	Incubation of moistened Livamol with BioWorma.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121397	Vol. 7-18	International Animal Health Products Pty Ltd	Determination of metabolites in moistened Livamol and Livamol with BioWorma following incubation.	2016	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121396	Vol. 7-17	Farrell, E.J.	The Biological and Genetic Variation amongst 25 Australian isolates of the nematophagous fungus Duddingtonia flagrans.	2006	The University of New England	Public	-

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121395	Vol. 7-16	Interntional Animal Health Products Pty Ltd	Effect of incubation conditions on germination of spores of Duddingtonia flagrans.	2015	-	Applicant	18 HEALEY CIRCUIT HUNTINGWOOD NSW 2148 AUSTRALIA
121394	Vol. 7-15	Sanyal, P.K., Sarkar, A.K., Patel, N.K., Pal, S. & Mandal, S.C.	Evaluation of Chhattisgarh isolate of nematode trapping fungus for their short-term environmental impact:Studies on fungal spread and faecal decomposition.	2008	Journal of Veterinary Parasitology	Public	-
121393	Vol. 7-14	Yeates, G.W., Skipp, R.A., Gray, R.A.J., Chen, L.-Y. & Waghorn, T.S.	Impact on soil fauna of sheep faeces containing a range of pasasite control agents	2007	Applied Soil Ecology	Public	-
121391	Vol. 7-12	Fernandez, A.S., Larsen, M., Nansen, P., Henningsen, E., Grønvold, J., Wolstrup, J., Henriksen, S.A., & Bjorn, H.	The ability of the nematode-trapping fungus Duddingtonia flagrans to reduce the transmission of infective Ostertagia ostertagi larvae from faeces to herbage.	1999	Journal of Heminthology	Public	-
121572	Vol.2-91	Larsen, M., Faedo, M. & Waller, P.J.	The potential of nematophagous fungi to control the free-living stages of nematode parasites of sheep: Survey for the presence of fungi in fresh faeces of grazing livestock in Australia.	1994	Veterinary Parasitology	Public	-