

History of Metham Sodium Trials for Basic Raw Materials (BRM) in Western Australia

Year	Activity summary	Funding body	Participants (includes in-kind)
2005-2007	<ul style="list-style-type: none"> Laboratory trials for determination of rate of metham sodium needed to kill <i>Phytophthora cinnamomi</i> in gravel. Initial field trials commenced. 	<ul style="list-style-type: none"> MERIWA Project M378. Industry sponsorships from B&J Catalano Pty Ltd, Main Roads Western Australia (Main Roads WA) and Nufarm Australia. 	<ul style="list-style-type: none"> Dr Elaine Davison & Francis. Tay, Dept. Environmental Biology, Curtin University, Western Australia (WA). Dr Ben Warton, Dept. Applied Chemistry, Curtin University, WA. Scott Paton, Nufarm Australia. Field experiments conducted at Department of Agriculture and Food WA (DAFWA), Medina Research Station.
2009-2011	<ul style="list-style-type: none"> Field trials to refine the rate of metham sodium needed to kill <i>P. cinnamomi</i> and <i>P. multivora</i> in small gravel stockpiles. Air quality monitoring for MITC gas. 	<ul style="list-style-type: none"> Main Roads WA. 	<ul style="list-style-type: none"> Dr Elaine Davison & Francis. Tay, Dept. Environmental Biology, Curtin University, WA. Dr Suzy McDonald, Dept. Applied Chemistry, Curtin University, WA. Scott Paton, Nufarm Australia. Drs Nigel West and Sasha Kazemi, ChemCentre, WA. In kind support from Department of Environment and Conservation, WA. Field experiments conducted at DAFWA, Medina Research Station.
2012-2017	<ul style="list-style-type: none"> Application to Australian Pesticides and Veterinary Medicines Authority (APVMA) for registration of metham sodium to eradicate <i>Phytophthora</i> spp. from roading gravel. Application successful, November 2017. Upscaling this process can commence. 	<ul style="list-style-type: none"> Nufarm Australia. 	<ul style="list-style-type: none"> Scott Paton, Nufarm Australia.
2015	Works begin to investigate ways to eradicate <i>P. cinnamomi</i> of gravel used in road construction and maintenance activities.	<ul style="list-style-type: none"> Main Roads WA. 	<ul style="list-style-type: none"> Garnet Gregory - Materials Manager Wheatbelt North, Main Roads WA. Rochelle Lupton - Regional Environment Officer, Main Roads WA.
2017	Main Roads WA in collaboration with DBCA established two Fallow Trial Sites in the northern jarrah forest adjacent to Albany Hwy 60kms south of Perth.	<ul style="list-style-type: none"> Main Roads WA. Department of Biodiversity, Conservation and Attractions (DBCA), WA – in-kind contribution. 	<ul style="list-style-type: none"> Main Roads WA. DBCA – in-kind contribution.
2018	MRWA enters planning stage to upscale the prototype study of 2012 by Dr Elaine Davison using Metham Sodium into industrial reality.	<ul style="list-style-type: none"> Main Roads WA 	<ul style="list-style-type: none"> Garnet Gregory – Materials Manager Wheatbelt North, Main Roads WA. Kim Gorey and Richard Atkins – Culford Agri Industry. DBCA – in-kind contribution.
2019	MRWA conducts the upscaling Trial with Culford Agri Industry at its site ~90kms south east of Perth adjacent to Albany Highway.	<ul style="list-style-type: none"> Main Roads WA 	<ul style="list-style-type: none"> Garnet Gregory – Materials Manager Wheatbelt North, Main Roads WA. Kim Gorey and Richard Atkins – Culford Agri Industry. DBCA – in-kind contribution. Dr Elaine Davison – in-kind contribution.
2024-2026	<p>DWG Inc. received a \$2.4 million Saving Native Species Threat Innovation Federal Government grant.</p> <ul style="list-style-type: none"> (MERIT Project ID: SNSGCG000018). Up-scaled industrial sized field trials for gravel & other BRM. Project plan implementation for National market rollout and other associated activities. 	<ul style="list-style-type: none"> <i>Administering entity:</i> Department of Industry, Science and Resources (DISR) <i>Commonwealth policy entity:</i> Department of Climate Change, Energy, the Environment and Water (DCCEEW) 	<ul style="list-style-type: none"> Dieback Working Group Inc (DWG), represented by: <ul style="list-style-type: none"> Principal – Mia Townsend, DWG CEO Superintendent – Bruno Rikli, DWG Senior Project Manager (West) Superintendent’s Representative – Garnet Gregory (Melada Pty Ltd) Marketing Manager – Pip Soulsby, DWG Senior Project Manager (East) Culford Agri Industry – Kim Gorey and Richard Atkins. Arbor Carbon – Dr Paul Barber, Professor Giles Hardy, Briony Williams BSc (Hons), Dr Peter Scott. DBCA – Ecosystem Health Branch / Vegetation Health Services (VHS) laboratory. Murdoch University WA – Mobile Chem Lab – Professor Yonglin Ren and Dr Bob Du; and Harry Butler Institute Executive Director, Professor Treena Burgess.