

## **CHRONOLOGY OF 1080 JAM BAIT ISSUES**

Produced by Nick Wallingford

13 June 1993 updated to 9 October 1994

(Minimal description of Oct 1994 - Jan 1995 at end...)

### **PRE-1989**

24 July 1985. Remit to conference (number 9) carried, endorsing efforts to control possums providing such programmes do no result in poisonings of bees.

13 July 1987. Executive meeting. Considered letter from Waikato branch, noting appreciation for delicate way it was being handled. Agreed to await further information currently being gathered.

16 July 1987. Remit to conference (number 12) asked that reimbursement for shifting hives from 1080 operations areas be sought.

14 December 1988. Executive meeting. President reported on discussions with Mark Goodwin relative to Pest Destruction Council's programme for 1080 possum poisonings, indicating that alternatives were available. Submission being prepared by Mark Goodwin. President to communicate this to Council once it had been received.

### **1989**

2 May 1989. Executive meeting. Approved letter to Agricultural Pest Destruction Council re: 1080 poisoning and funding.

September 1989. Jim Bell's results on 'Acceptance of Molasses Paste by Possums', showing that though consumption was down with molasses or oxalic, it 'should not jeopardise possum poisoning operations.'

12 September 1989. Executive meeting. Noted that Gavin White had attended Pest Destruction Officers Annual Conference. Reported that need for two way communication accepted, regulations to be amended to provide for the distance from apiaries to be increased to 1 kilometre. Officers now had action check list to work from. President to write to Minister expressing prime concern at use of jam baits, copies to Local Authorities Commission and Federated Farmers. Digest of actions to be printed in future issue of Buzzwords.

15 September 1989. Letter from Agricultural Pests Destruction Council (Peter Nelson) to NBA detailing contract with MAFtech Lincoln for 'Acceptance of Molasses Paste by Possums'. Hopes field trials will be carried out within next few months.

### **1990**

26 February 1990. Letter from PMS (Peter Nelson) to NBA. 'Field trials are going to be carried out on the use of Molasses or Oxalic Acid in Paste Bait to see whether it affects the poison kills. These trials should be completed before June 1990 and if successful we are hopeful that bait that will deter Bees may be available.'

13 March 1990. Jim Bell proposal to AHB for cage and field trail work for bee deterrent.

29 March 1990. Letter from AHB to NBA asking for assistance to costs of Jim Bell's proposed trials.

27 April 1990. Referees report from Mark Goodwin on Possum Bait Formulation trial to be conducted by Jim Bell. Stated that oxalic was not the active ingredient.

1 May 1990. Executive meeting. No further advice from Jim Bell re: molasses and oxalic acid field trials. Noted that there had been an application to the Trustees for further financial assistance.

14 August 1990. Waikato Branch NBA letter to NBA. Asks executive to investigate the ramifications to the industry of continued use of 1080.

21 Aug 1990. Permit issued for aerial application of 1080 - Mangakahu and Raurimu West (when the operation that eventually killed Norm and Mary Dean's bees was supposed to have happened.)

prior to September 1990. Undated draft of first field trial results from Jim Bell. Described further field trials.

12 September 1990. Executive meeting in Christchurch met with Jim Bell at Lincoln to discuss his results. Also agreed to draft policy statement on possum control.

Sep/Oct 1990. Poisoning operation that killed Dean's bees.

### **1991**

8 May 1991. Executive meeting. Executive Secretary to write to AHB to try to get a copy of the report on the trials. Agreed on wide distribution of policy statement on possum control.

10 May 1991. NBA draft policy statement on possum control sent to NBA branches

28 May 1991. Letter from John Bassett to EB Dodd (Manawatu Wanganui Regional Council. Mentions 2km distance.

4 July 1991. Letter from John Bassett to NBA. Compliments on NBA draft policy statement on possum control. Still not enough action.

16 July 1991. Fax from NBA to AHB, about results of latest trials. Fax from AHB to NBA. Restricted trial gave inconclusive results. Must now conduct three commercial operation using the proposed mixtures. Disappointed with NBA response so far to meeting a portion of cost. NBA agreed to update situation to Chairman and members of the AHB as feeling was that they might not be kept fully informed, as well as copy to Minister of Agriculture.

17 July 1991. Doug Kidd (MP) referred to 1080 problems in address/questions opening conference. Two remits to conference from John Bassett (3 and) calling for action to remove risks involved in use of 1080.

30 August 1991. Letter from NBA to AHB trying to get additive to 1080 paste.

18 September 1991. NBA received Jim Bell's report.

19 November 1991. Letter from MAF (Wallaceville) to Norm and Mary Dean, indicating small peak that could be 1080 was found in bee sample from their hives.

27 November 1991. Letter from N Wallingford to Medical Officer of Health asking if extension had been granted in Raurimu West operation.

2 December 1991. Phone call from EB Dodd (Manawatu Wanganui Regional Council) to N Wallingford. 1080 had been placed 'on road by error', 'genuine mistake', 'if the... has been disadvantaged...'

2 December 1991. Fax to Murray Reid from Nick Wallingford. Asking if Norm Dean was registered on those sites.

3 December 1991. Fax from GM Reid to N Wallingford. N Dean was registered. Dodd usually only makes one request for apiary information.

4 December 1991. Fax from Medical Officer of Health to N Wallingford. No extension was approved to Raurimu West operation.

10 December 1991. Letter from EB Dodd to Norm Dean, giving details of operation.

12 December 1991. Letter from N Dean to EB Dodd asking for compensation.

16 December 1991. Letter from GM Reid to N Wallingford confirming registration details of N Dean. EB Dodd got list on 14 Feb 1991, the only list obtained.

19 December 1991. Letter from C Van Eaton to N Dean confirming that N Dean had described effects of 1080 poisonings to him.

**1992**

16 January 1992. Letter from DM Wallis (Acct Officer) for JP McDonald (Dir Corp Serv) to Norm Dean saying that letter had been referred to insurance brokers.

17 February 1992. Letter from PMS (Peter Nelson) saying that last set of trials had mixed results.

3 March 1992. Letter from Norm Dean to Barstow Insurance Brokers. Requesting response to letter asking for compensation.

4 March 1992. Letter from Ted Roberts (MAF) to Taranaki Regional Council, describing danger to bees of 1080 operations.

9 March 1992. Letter from Minister of Research, Science and Technology (Simon Upton) to Frances Trewby. Describes National Science Strategy for the Control of Possum/Bovine TB.

11 March 1992. Executive meeting noted letter from PMS (Peter Nelson) to Executive Officer. Agreed that Executive Secretary write to obtain copy of latest report on oxalic field trials.

11 March 1992. Letter from NZI Insurance to Norm Dean denying liability completely for poisoning of his hives.

17 March 1992. Letter from Nick Wallingford to GM Reid (MAF), Ted Roberts (Exec Officer NBA), D Ward (NBA) and Ian Berry (Pesticides Board) describing impending publicity re: 1080 jam baits in case of Norm Dean.

20 March 1992. Article in Otago Daily times linking honey and 1080.

23 March 1992. Letter from N Wallingford to Robert Anderson (MP) describing problems that Norm and Mary Dean had been experiencing with 1080 operations.

23 March 1992. Item on Midday Rural Report with interviews of Norm Dean and Eric Dodd re: poisonings caused by 1080.

1 April 1992. Letter from NBA to Peter Nelson, asking for a copy of Jim Bell's report.

7 April 1992. Letter from Robert Anderson (MP) to N Wallingford saying he would write to find out more about 1080 and repellents.

14 April 1992. Letter to Fair Go from Nick Wallingford. Providing further information about 1080 jam bait issues re: Norm and Mary Dean.

29 April 1992. Noted letter to PMS (Peter Nelson) from Executive Officer asking for copy of Jim Bell's report on oxalic trials. Agreed to write to Associate Minister.

11 May 1992. Letter from West Coast Branch to NBA. Commending research into alternatives to jam.

21 May 1992. Letter from Registrar of Pesticides Board, saying that 1080 operations need to provide adequate notice, recognise that bees fly 3 km.

25 May 1992. Letter from NBA to John Falloon, Minister of Agriculture, asking about progress on repellent.

9 June 1992 (possibly day or two earlier?). Rural Report interview with Norm Dean, Eric Dodds. Dodds said he had no knowledge of 400 metre inadequacy.

10 June 1992. Straight Furrow article about possum bait stations using cereal baits.

17 June 1992. Letter from Denis Marshall for Minister of Agriculture to Robert Anderson MP. 'Inconclusive findings in respect of possum acceptance...Work is continuing..and when resolved, the oxalic acid repellent would be included'

15 July 1992. Letter from Manawatu Wanganui Regional Council to Norm Dean and Arataki Honey (Rotorua), notifying of extensive programme between late August 1992 and February 1993 using 1080. Refers to oxalic field trials, with comment that feedback to date does not look promising.

17 July 1992. Letter from Associate Minister of Agriculture (Denis Marshall) saying that trials will be initiated in spring, continue into summer. 'By autumn 1993, answers should be found to the problem of possum bait acceptance and by winter next year jam products containing the bee repellent should be available for use.'

18 July 1992. Letter from Arataki Honey (Rotorua Division) to Manawatu Wanganui Regional Council. Considers proposal in letter of 15 July 1992 to be unacceptable (...between late August 1992 and February 1993 with main method of control being the application of 1080 paste baits.'

20 July 1992. Executive considered letter from Manawatu Wanganui Regional Council to John Bassett re: shifting hives from large area through spring months. Executive Officer to discuss with Peter Nelson. Executive Officer reported Nelson's proposal to education Pest Destruction personnel on the correct way to conduct trials in respect of bee repellent. NBA to arrange meeting with John Bassett and Pest Management Officers from the King Country.

21 July 1992. Letter from Arataki Honey, describing inclusion in same operation in King Country, asking for time to consider the letter.

22 July 1992. Jeff Whittaker (MP) delivered conference address for Denis Marshall. Indicated that industry should make backbenchers aware of the problems, particularly if responses from Government was not achieving success. Remit 5 carried, again asking Executive to work to reduce or eliminate dangers inherent in 1080 poisoning programmes.

22 July 1992. Letter from Robert Anderson, MP to Nick Wallingford. Enclosed letter from Denis Marshall dated 17 July.

10 August 1992. Letter from Manawatu Wanganui Regional Council to Norm Dean, saying all 1080 paste for maintenance control programmes from August 1992 to February 1993 would use phosphorous paste.

12 August 1992. Letter from ADH Solicitors to Norm Dean. Draft of letter to Manawatu Wanganui Regional Council detailing claim for damages.

14 August 1992. Letter from Keith Mason, Private Secretary for Minister of Agriculture. No record of letter posted to Minister on 25 May. Will respond in due course.

18 August 1992. N Wallingford gave talk to Pest Management Officers Conference in Rotorua.

25 August 1992. Letter from Office of Minister of Agriculture, indicating NBA letter of 24 August would be given to Denis Marshall for reply.

4 September 1992. Letter from Minister of Agriculture (D Marshall) saying that field trials with oxalic have given variable kill rates of possums. Confident that problem (possible cause crystallization of the oxalic acid) can be overcome.

15 September 1992. Review of meeting held in Taumaranui with NBA, Regional Authorities and John Bassett to resolve situation. NBA offer to Waikato branch to match contributions up to \$500 to assist with John Bassett's legal costs.

3 November 1992. Telephone David Moore, Pest Control Officer, BOP Regional Council. Described accidental poisoning. Result of getting hive lists up a road, not realising there was access from the other side.

8 December 1992. Executive meeting. Executive Officer to ascertain from Peter Nelson details of trials being conducted. Richard Benseman to approach Jim Bell informally. No response yet from Waikato branch re: offer to match contributions to assist John Bassett.

### **1993**

26 February 1993. Article in NZ Herald. Waimeha deer farm suing Manawatu Wanganui Regional Council for \$700,000 for poisoning deer with 1080.

9 March 1993. Fax from Ian Berry with part of agenda for 11 March meeting of Pesticides Board. Noting that AHB is arranging for urgent trial work to be undertaken to investigate other repellents. Results expected by end of June 1993. Also notification that if repellent not added to 1080 by 30 June 1993, the 'Toxic to bee warnings' be changed to read 4 km radius.

23 March 1993. Fax from PMS Ltd (Peter Nelson) to Ted Roberts. Listed 1993/94 operations. Field trials on oxalic prove that oxalic deters possums as well. AHB let contract for over \$40,000 to Landcare to find another repellent or insecticide to add to paste before July 1993.

8 April 1993. Letter from AHB to John Bassett. Offers to use phosphorus in Mangaokewa operation with no precedent being set.

13 April 1993. Letter from John Bassett to Waikato Regional Council. Asks for more information (does area include the 3 km bee flight distance, which areas to use carrots, which to use paste). Suggests use of repellent, and reserves right of objection should he have to shift hives.

22 April 1993. Letter from John Bassett to Robert Isbister. Thanking AHB for planned use of phosphorous (letter from AHB of 8 April). Offers to move some hives (est cost \$1500 to 2000) if it will do some good in the long term. Positive in tone.

23 April 1993. Letter from Waikato Regional Council (Environment Waikato) to John Bassett referring to John Bassett's letter of 13 April. Indicated that on 20 April 1993 Waikato Council had received urgent request from AHB to carry out operation in Ahoroa Road area. Work to commence on 28 June 1993, and bees should be removed.

26 April 1993. Letter from John Bassett containing other correspondence, asking about 400 m restriction on 1080, 'animal welfare' for possums' and lower standards if oxalic acid not so good.

26 April 1993. Letter from John Bassett to Robert Isbister. Received notice from Craig McKellar re: poisoning operation. Indicated that he does not have time before leaving on trip to shift hives for the area covered.

28 April 1993. Executive meeting. Exec Officer described background to correspondence received from John Bassett. Exec Officer to draft letter to Regional Health Authorities reminding them of the agreement re: notification of 1080 operations. NBA forwarded \$500 to Waikato branch to give to John Bassett for assistance with his legal costs.

6 May 1993. Article in NZ Herald. Coverage of Great Lake Pest Summit. Quoted Dr Charlie Eason saying '...any 1080 absorbed by insects...was readily excreted.'

10 June 1993. Fax from AHB to John Bassett. Confirmation of meeting held 4 June. Field trials using non-toxic bait are due to commence this month...Obviously we are not going to have a suitable bee repellent 1080 paste in use by 1 July but...we are anxious to complete the field trials as quickly as possible (in other words over the next few months). Requested information re: estimate of possible compensation costs for shifting hives.

16 June 1993. Letter from NBA to branches. Questionnaire re: interruption to beekeeping operations.

21 June 1993. Rural News article. 'Beekeepers get legal over 1080 deaths'.

26 June 1993. Auckland Herald article. 'Parrot poison kill minimal'. Richard Alspach, chairman of AHB: 'time to stop messing around with alternative systems for killing opossums'.

26 June 1993. Fax from Nick Wallingford to Dudley Ward. Wanting to ensure NBA letter for AHB to consider at meeting on 8 July.

26 June 1993 (misdated to 25 June). Fax from Dudley Ward to Nick Wallingford. Says he has filled in J Bassett's questionnaire and hopes other do. Says no problems with pest destruction in his area.

July 1993. NZ Science Monthly article. 'From Furry Friend to Fatal Fiend'. NZSM School Science Journalism Competition winner, describing dangers of possums.

6 July 1993. Letter from NBA to AHB chairman. Reiterating concerns of NBA with poisonings.

6 July 1993. Letter from Nick Wallingford to AHB. Expressed extreme frustration with lack of progress.

7 July 1993. Letter from Nick Wallingford to Robert Anderson, MP. Request to exert pressure on AHB to find a solution.

7 July 1993. Letter from Nick Wallingford to Hamish MacIntyre, MP. Request to assist beekeepers.

7 July 1993. Letter from Nick Wallingford to Jeff Whittaker, MP. Request to assist beekeepers.

7 July 1993. Letter from Nick Wallingford to Margaret Moir, MP. Request to assist beekeepers.

8 July 1993. Letter from Nick Wallingford to Secretary of Ministry for the Environment. Commenting on article in Environment Update issue 33, asking for assistance to get bee repellent added to 1080 jam baits.

12 July 1993. Letter from AHB to John Bassett (also used to reply to NBA and Nick Wallingford). Reaffirmed intention to continue funding research on problem in an uninterrupted fashion. Insist that Regional Councils give not less than (sic) three months advance warning of any impending possum operations. "The results of the relevant field trials being conducted by Landcare will hopefully be available within ten weeks at which point we will then be in a far better position to assess where we might be heading from a practical operational point of view..."

late July 1993. Question from Nick Wallingford to Oliver Sutherland (Landcare) at NBA Conference re: original intention to have results of IVA trials by July. Sutherland denied there was ever such an intention. Indicated final results should be available in September/October period.

August 1993. NZ Science Monthly article. 'Fighting the Furry Invader', by David Morgan. Discussed the wide variety of research into possum control currently underway.

14 August 1993. BOP Times article. Ross Meurant comments of Biosecurity Bill. Primarily about DOC having to pay part of control programmes initiated by regional councils.

20 August 1993. Letter from Denis Marshall to Robert Anderson. "Small scale trials have identified three potential candidates which are now being field trialed...It is expected that results of the field tests (bee repellency and possum acceptance) will be available by September 1993 enabling the incorporation of an effective repellent, or if absolutely necessary, a bee toxicant into 1080 paste products over the September/October 1993 period."

20 August 1993. Letter from Hamish MacIntyre to Nick Wallingford. Intends to ask question in House to Minister of Agriculture, follow other courses of action.

26 August 1993. Letter from Robert Anderson to Nick Wallingford. Enclosed copy of Denis Marshall's letter of 20 August.

September 1993. NZ Science Monthly letter from D Meenken, Surveillance Officer for Manager, Operations, Wellington Regional Council. Intended to correct some statements from NZSM article in July issue.

7 September 1993. Letter from Nick Wallingford to Robert Anderson. Thanking him for his work in lobbying the Minister of Agriculture.

7 September 1993. Nick Wallingford commentary. Comments on Assoc Minister's letter of 20 August.

7 September 1993. Letter from Nick Wallingford to Hamish MacIntyre. Providing further information and documentation.

7 September 1993. Letter from Nick Wallingford to Jeff Whittaker. Reminder letter that no response has been received.

7 September 1993. Letter from Nick Wallingford to Margaret Moir. Reminder letter that no response has been received.

8 September 1993. Letter from Nick Wallingford to Sec'y for Ministry for Environment. Reminder letter that no response has been received.

14 September 1993. Letter from AHB to all Regional Councils. Conveying concerns from NBA. "You may be aware that this Board has commissioned Landcare Research Limited in Christchurch to undertake some field trials experimenting with compounds that could be added to the 1080 jam based baits that will repel bees but continue to attract possums. The results of this research is expected to become available by the end of September". Required councils to give three months notice to beekeepers.

17 September 1993. Letter from Executive Sec'y for Jeff Whittaker, MP to Nick Wallingford. "Mr Whitakker is overseas and will respond to you on his return".

21 September 1993. Letter from AHB to NBA. Confirmation of recent visit. Described overview of reason molasses and oxalic acid were unsuitable as repellent.

22 September 1993. Telephone conversation John Wright to Nick Wallingford. Has received verbal notification from Waikato Regional Council to shift bees within two weeks.

22 September 1993. Fax Nick Wallingford to AHB. Asking AHB to investigate South Auckland operation and lack of notice being given.

23 September 1993. AHB to Nick Wallingford. Investigating with Waikato Regional Council.

27 September 1993. Described Waikato Regional Council operation, stressed it was Task Force Green operation rather than one the AHB is directly involved in.

27 September 1993. Fax from John Wright to Murray Reid, Tony Lorimer. Has now received reasonable assurances that poisonings will not cause undue disruptions.

1 October 1993. Fax from Dave Morgan to AHB. "I promised to try and get results to you by the end of September. Our field trials are still progressing but results to date confirm the suitability of 1% IVA as a bee repellent that does not deter possums. Our field trial with possums has produced a very convincing result...the main point is that IVA had no effect on the efficacy of the 1080 paste...under worst case conditions, IVA greatly reduces the likelihood that bees will eat apple paste...I'm sorry not to be able to produce a final result as expected at this time and hope that you appreciate that it is not as a result of not trying, but because bees have been uncooperative."

11 October 1993. Letter AHB to NBA. "...very tempting to conclude that we have...established...addition of 1% Isovaleric Acid (IVA)...has solved the problems ...Landcare are somewhat nervous to endorse such a conclusion based on the results." Described problem as being inconclusive results from bee repellency tests. "...possums appear undeterred from the bait". Raised new concept: "...intend organising some commercial possum control operations using IVA baits...to further establish that the possums are indeed not detracted by the bait...as urgently as is humanly possible ...Clearly we wish to make sure that the trials involving IVA are not compromised through ineffective field activity and hence our concern to closely control and monitor the field trials."

3 November 1993. Announcement from Parliamentary Commissioner for the Environment of Possum Management Investigation.

7 December 1993. Fax from Dave Morgan to AHB. Summary of research to date. Identified IVA as most promising. Completed field trial - standard paste killed 70%, IVA paste killed 76%. Six of 10 bee field trials complete and satisfactory results; others due within 2 weeks. "Started planning to monitor field operations...(they) will be done...in the New Year."

8 December 1993. AHB to NBA. "The results continue to look very promising but reading between the lines the researchers are obviously somewhat frustrated by the lack of progress which, as you will note, has largely been put down to unfavourable weather conditions."

December 1993. "Field trial to compare effectiveness of 1080 paste with and without bee repellent" by DR Morgan.

## **1994**

19 January 1994. PMS to participating Regional Councils. Requesting cooperation with Dave Morgan trials (instructions attached.)

25 January 1994. Letter AHB to NBA. Provided letter to 7 regional councils dated 19 January and copy of trial procedure.

8 February 1994. Fax Nick Wallingford to AHB. Summarised IVA research, requested immediate inclusion.

14 February 1994. Letter AHB to Nick Wallingford. "...although we are all confident that we have found a solution, in direct conversation with the Landcare personnel they are still somewhat nervous about moving right now as you have advocated in your fax... We are hoping the results (of the commercial field trials) will be available by mid-March"

2 March 1994. Letter from Nick Wallingford to Ross Meurant, Assoc Minister of Agric. Described history of molasses, oxalic, IVA. Requested intercession to get IVA added immediately.

21 March 1994. Draft text Possum Management Investigation to Nick Wallingford. Asking to review and comment on text from Parliamentary Commissioner for the Environment.

22 March 1994. Nick Wallingford to Parliamentary Commissioner for the Environment. Comments on text provided.

29 March 1994. Letter from Nick Wallingford to AHB. Pointed out problems with commercial field trial methodology.

7 April 1994. Letter from Ross Meurant to Nick Wallingford. "Extensive field trials are currently underway...designed to produce meaningful results...Pesticides Board...will make the decision as to whether (and when) the bee repellent is to be incorporated into 1080 jam possum products. The Pesticides Board is conscious of the need to have bee safe 1080 jam products available and at an early date".

7 April 1994. Letter from Parliamentary Commissioner for the Environment (Dana Peterson). Final report now June, as it cannot be tabled in Parliament unless it is in session.

13 April 1994. Letter from AHB to Nick Wallingford, containing extensive quotations from letter to AHB from Dave Morgan. "(DM) study design received full scrutiny...Mr Wallingford is disregarding one of the most fundamental requirements of experimental science, that is replication...The trials were...clearly not designed for measuring the repellency of compounds to bees...Of the 8 field trials that we have established...four have been completed...The earliest completion date...is early May...(The) completed report should be submitted to the Animal Health Board by the end of May". Requested names of scientists prepared to referee data should AHB wish to do so.

14 April 1994. Letter from Nick Wallingford to Jim Sutton, MP. Asking for his assistance and providing some documentation.

14 April 1994. Letter from Ross Meurant MP to Nick Wallingford. Indicated 'The Pesticides Board will move early on requiring isovaleric acid to be incorporated into all 1080 possum paste provided the field trials are positive for bee repellency and possum acceptance (the Board's secretariat has been authorised to act if the field trial results are favourable).'

17 April 1994. Summary of events re: bee repellency trials prepared by Nick Wallingford for Ian Berry.

19 April 1994. Fax from Nick Wallingford to Steve Maharey, MP, making contact.

19 April 1994. Letter from Jim Sutton MP's office to say he would be out of the country and would consider the letter to him upon his return.

23 April 1994. Don Carson radio programme interview with Kevin Smith of Forest and Bird, discussing 1080 and its effect on wildlife in general.

23 April 1994. Letter from Nick Wallingford to Don Carson. Described possible follow up programme related to 1080 and beekeepers.

26 April 1994. Letter from Steve Maharey MP to Nick Wallingford, asking to hear more about beekeeping.

3 May 1994. Invitation from PG Livingstone of AHB to F Trewby to meeting in Christchurch on 13 May.

4 May 1994. Letter with attachments from John Wright to Nick Wallingford, describing actions of Auckland Regional Council, covering 439 hives.

11 May 1994. Letter from Steve Maharey MP thanking Nick Wallingford for information provided re: bee repellents.

12 May 1994. Phone conversation Nick Wallingford to Dr Farhat Mahmood, Medical Officer of Health for South Auckland. Was the one who placed 35 restrictions on the operation involving the Wrights.

13 May 1994. Meeting between AHB, NBA, Land Care and Hort Research re: findings related to IVA.

19 May 1994. Letter from AHB to NBA describing intended use of IVA.

24 May 1994. Letter from Jim Sutton MP to JH Falloon Minister of Agriculture, asking for information re: bee repellency trials.

26 May 1994. Possum Management in New Zealand, report by Parliamentary Commissioner for the Environment tabled. Includes recommendations to AHB, DOC and Regional Councils to use repellent and deregister baits attractive to bees.

June 1994. Animal Health Board Update, Issue 3. Said that IVA had been found to be effective, and that it would be used in the future.

29 June 1994. Letter from Jim Sutton MP to Nick Wallingford. Had response from Pesticides Board to say IVA would be used from 1 August.

6 July 1994. Letter from AHB to NBA. Announced withdrawal of IVA, due to "... a rea; concern that it might well be causing human health and safety risks".

12 July 1994. Letter from PC Nelson (Consultant to AHB) to Pesticides Board. Announcing withdrawal of IVA.. Refers to staff member at Animal Control Products being "sick after mixing IVA paste whether it was the IVA that caused that is not known."

29 July 1994. Phone conversation between Nick Wallingford and John Bassett. Described yards affected by recent Form 1 notice from Manawatu Wanganui Regional Council.

1 August 1994. Information provided by National Poisons Centre, including article about valerian root (use of bicarbonate of soda to neutralise the smell).

1 August 1994. Telephone conversation between Nick Wallingford and Dr Wayne Temple, National Poisons Centre. Said that AHB had over-reacted.

3 August 1994. Letter from Nick Wallingford, NBA, to AHB. Disappointment at decision. Suggestion that it be reviewed in light of ordinary safety precautions.

4 August 1994. Notes from John Bassett to Nick Wallingford. Describing ongoing problems, correcting a few things about earlier telephone notes.

5 August 1994. Letter from National Possum Control Agencies to Nick Wallingford. Enclosed "Possum Control and the Use of 1080 in New Zealand", "1080 some questions and answers", "1080 - A Review of the Science" and "1080 is Not Kid's Stuff".

8 August 1994. Letter from AHB to NBA. Reiterated decision. Asking Regional Councils to comment on safety procedures.

19 August 1994. Notes from Nick Wallingford re: AHB's National Pest Management Strategy for Bovine Tuberculosis.

22 August 1994. Letter from Nick Wallingford to Dr Wayne Temple, National Poisons Centre. Provided some background letters, asking him to write to the AHB.

2 September 1994. Form 1 notice with map from Manawatu Wanganui Regional Council to Norm and Mary Dean.

7 September 1994. Letter from NBA to Ian Berry for the Pesticides Board. Asking that recommendations of Parliamentary Commissioner's report be implemented.

11 September 1994. Press release from NBA re: jam baits.

14 September 1994. Draft work plan from Dave Morgan (Landcare Research) to Nick Wallingford, describing proposed trials re: low sugar baits.

14 September 1994. Letter from Adrian Foley (Pesticides Board) to Ian Berry. Suggested that meeting not required for review of decision to remove IVA.

15 September 1994. Article in BOP Times re: jam baits and 1080.

18 September 1994. Further press release by NBA.

19 September 1994. Letter from Nick Wallingford to AHB, submission re: Pest Management Strategy.

20 September 1994. Nick Wallingford and Mervyn Cloake notified Ross Meurant MP of the finding of 1080 in honey.

23 September 1994. Article in BOP Times re: decision by Pesticides Board to deregister 1080 jam baits next June if no bee repellent found.

25 September 1994. Letter from Nick Wallingford to Ian Berry. Providing reasons that decision to remove IVA should be reviewed.

29 September 1994. Letter from Nick Wallingford to NBA Executive. Summary of contact with members of Pesticides Board re: IVA.

29 September 1994. Fax from Nick Wallingford to Ross Meurant MP. Providing press releases and welcoming full review.

5 October 1994. Telephone conversation between Ross Meurant MP and Nick Wallingford. Setting up meeting for 11 October 1994.

5 October 1994. Fax from Nick Wallingford to NBA Executive advising them of meeting to be held with Ross Meurant.

11 (?) October 1994. Meeting with N Wallingford, R Bensemann (NBA), representatives of Pesticides Board (Agricultural Compounds Unit), Animal Health Board and Ross Meurant. Nothing definitive, but issues discussed.

~15 October 1994. Vickie Duncan rang Nick Wallingford saying Pesticides Board has decided to insist on IVA being added.

9 December 1994. Meeting called by Pesticides Board (chaired by Vickie Duncan) with about 10 regional council Pest Officers, Ministry of Health, Ministry for Environment, Occupational Safety and Health, Animal Health Board, Animal Control Products (Wanganui factory that makes all the baits/poisons) and NBA. Councils clear they would refuse to use IVA baits. Animal Health Board/Animal Control Products said meeting is premature, because new compound should be proven 'within about 2 weeks'.