

5.0 EXPORT CERTIFICATION

Considerable work, involving the industry, MAF Regulatory Authority (MAFRA) and MAF Quality Management (MQM) took place during the year to develop workable protocols and delivery systems to facilitate the export of live bees to Korea, and to Canada via Honolulu. It was gratifying to MQM to see these systems working and exports proceeding to both these markets.

Further work will be necessary this year to maintain the impetus with the Korean Authorities for the development of a bilateral protocol which recognises New Zealand's disease free status. This will have to be driven by the beekeeping industry and MAFRA. Further work is also required to ensure that exporters of both bees and bee products retain access to the European markets with minimal compliance costs.

New agreements under the GATT and the setting up of the World Trade Organisation should enable exporters to market their products more easily as trade barriers come down. However this will not happen overnight, nor will it happen without effort on the part of the beekeeping industry, through the Export Committee of the Executive to maintain pressure on importing countries to justify their import requirements.

6.0 AMERICAN FOULBROOD AND NBA AFB CONTROL PROGRAMME

For the fourth successive beekeeping season, MAF Quality Management was contracted in 1994-95 to provide an AFB control programme for the NBA. The contract, which included a \$5000 increase in expenditure compared to the previous year, called for the inspection of 3.9% (979) of registered apiaries by MQM personnel, the provision of inspection lists for NBA inspectors and diseaseathons, and various other services relating to disease control and reporting. Unlike previous contracts, all inspections were to be targeted to known areas/beekeepers with disease problems. The \$5000 increase in the contract was earmarked by the NBA executive to provide additional counselling for beekeepers with AFB problems.

As in all previous contracts requiring MAF Quality Management to conduct inspections, the MQM target was exceeded, with 993 apiaries inspected. The average apiary size was also exceeded, with inspected apiaries averaging 7.5 hives (target apiary size = 6 hives). A total of 22 MQM staff and contract beekeepers were used in these inspections (Table 3).

NBA branch inspections totalled 880 apiaries, or 57% of the 1533 necessary to achieve the target set by the NBA executive of 6.1% of registered apiaries. Four of the 13 branches carrying out inspection programmes either met or exceeded their target of district apiaries inspected, while a further branch came within 4% of their target (Note: members of the South Canterbury

branch assisted the Canterbury branch in carrying out volunteer NBA inspections as part of this spring's EDPR exercise. The total of the two branches' inspections more than exceeded the individual targets for the branches). A total of 150 letters of appointment were issued to beekeepers who wished to assist in NBA inspections, with 98 letters of appointment being used (Table 4).

The NBA AFB Disease Control Programme therefore resulted in the inspection of 7.5% of New Zealand's apiaries (MQM: 4.0% + NBA: 3.5%), equal to the percentage inspected by the programme in 1993-94. The target inspection level set by the NBA executive for the programme was 10% of apiaries. A total of 12,147 hives were inspected (MQM: 7489 + NBA: 4658). This figure represents 4.1% of the beehives in New Zealand registered at the time the contract was let.

MAF Quality Management inspectors (and beekeepers contracted to MQM) found 506 hives and 188 apiaries infected with American foulbrood (6.8% of hives/18.9% of apiaries inspected). NBA inspectors found a further 258 hives and 82 apiaries infected (5.5% of hives/9.3% of apiaries inspected). Beekeepers reported an additional 1606 hives and 782 apiaries to be infected, down 332 (-17%) and 227 (-22%) respectively on 1993-94 (Table 5).

The overall reported incidence of American foulbrood in New Zealand beehives in 1994-95 was 0.8% of hives and 4.2% of apiaries, down from 0.9% (11% reduction) and 5.1% (18% reduction) respectively in 1993-94 (Table 6).

Table 3

PERFORMANCE OF MQM INSPECTORS*
NBA AFB DISEASE CONTROL PROGRAMME
YEAR ENDING 30 JUNE 1995

Apiary Register Location	MQM Staff	Contract Inspectors	Apiaries Inspected		Hives Inspected	AFB Found (% Inspected)		
			Target**	Completed (%)		Hives	Apiaries	
Whangarei	3	4	118	126 (106.8%)	573	19 (3.3%)	12 (9.5%)	
Hamilton	5	1	116	122 (105.2%)	788	25 (3.2%)	16 (13.1%)	
Tauranga	3	1	140	147 (105.0%)	1632	222 (13.6%)	54 (36.7%)	
Palmerston Nth	1	4	154	144 (93.5%)	906	100 (11.0%)	42 (29.2%)	
Blenheim	3	0	79	81 (102.5%)	701	31 (4.4%)	15 (18.5%)	
Lincoln	2	0	201	203 (101.0%)	1713	54 (3.2%)	22 (10.8%)	
Invermay	5	0	171	170 (99.4%)	1176	55 (4.7%)	27 (15.9%)	
TOTAL	22	10	979	993 (101.4%)	7489	(7.5)***	506 (6.8%)	188 (18.9%)
1993-94	37	4	973	1004 (103.2%)	8170	(8.1)***	532 (6.5%)	166 (16.5%)

* Includes beekeepers employed by MQM

** Based on programme target of 3.9% of apiaries per Apiary District (June 30, 1993 statistics); 1993-94 programme based on 3.9%.

*** Average hives per apiary (>6 hives/apiary required)

Table 4

**PERFORMANCE OF VOLUNTEER INSPECTORS
NBA AFB DISEASE CONTROL PROGRAMME
YEAR ENDING 30 JUNE 1995**

NBA Branch	Warrants Issued	Warrants Used	Apiaries Inspected		Hives Inspected	AFB Found (% Inspected)	
			Target*	Completed (%)**		Hives	Apiaries
Far North	0	0	30	0 --	0	0 --	0 --
Northland	9	9	61	24 (39.3%)	155	8 (5.2%)	6 (25.0%)
Auckland	3	3	94	4 (4.3%)	36	4 (11.1%)	2 (50.0%)
Waikato	30	0	182	0 --	0	0 --	0 --
Bay of Plenty	25	19	146	146 (100.0%)	1016	74 (7.3%)	15 (10.3%)
Poverty Bay	6	6	73	70 (95.9%)	267	6 (2.2%)	5 (7.1%)
Hawkes Bay	14	14	61	36 (59.0%)	163	2 (1.2%)	2 (5.6%)
S'thern North Island	10	9	181	87 (48.1%)	230	32 (13.9%)	8 (9.2%)
Marlborough	9	7	44	44 (100.0%)	359	14 (3.9%)	6 (13.6%)
Nelson	15	6	55	38 (69.1%)	235	45 (19.1%)	3 (7.9%)
West Coast	4	3	25	21 (84.0%)	155	8 (5.2%)	5 (23.8%)
Canterbury	3	1	224	301 (100+%)***	1308	25 (1.9%)	13 (4.3%)
Sth Canterbury	11	10	90	74 (100+%)***	277	13 (4.7%)	10 (13.5%)
North Otago	0	0	56	0 --	0	0 --	0 --
Otago	6	6	138	16 (11.6%)	223	2 (0.9%)	1 (6.3%)
Southland	5	5	73	19 (26.0%)	234	25 (10.7%)	6 (31.6%)
TOTAL	150	98	1533	880 (57.4%)	4658	258 (5.5%)	82 (9.3%)
1993-94	194	128	1522	867 (57.0%)	5257	192 (3.7%)	107 (12.3%)

* Based on programme target of 6.1% of apiaries in Apiary Districts (June 30, 1993 statistics); 1993-94 programme based on 6.1%

**As reported to MQM by Branch Disease Control Coordinators

***South Canterbury branch assisted Canterbury branch EDPR exercise; combined totals more than exceeded individual targets for both branches.

Table 5

**APIARIES AND HIVES WITH AMERICAN FOULBROOD
FOUND DURING NBA DISEASE CONTROL PROGRAMME OR REPORTED TO MQM BY BEEKEEPERS
TO 30 JUNE 1995
(1994 FIGURES IN BRACKETS)**

MQM Apiary Register Location	Apiaries Found with AFB:				Hives Found with AFB:			
	By MQM Inspectors*	By Volunteer Inspectors**	Reported by Beekeepers	Totals	By MQM Inspectors	By Volunteer Inspectors	Reported by Beekeepers	Totals
Whangarei	12 (13)	8 (10)	75 (94)	95 (117)	19 (103)	12 (28)	150 (155)	181 (286)
Hamilton	16 (18)	0 (11)	135 (196)	151 (225)	25 (50)	0 (15)	234 (283)	259 (348)
Tauranga	54 (27)	20 (19)	101 (187)	175 (233)	222 (47)	80 (37)	199 (318)	501 (402)
Palmerston Nth	42 (27)	10 (8)	115 (62)	167 (97)	100 (65)	34 (10)	308 (86)	442 (161)
Blenheim	15 (19)	14 (18)	124 (140)	153 (177)	31 (51)	67 (32)	233 (460)	331 (543)
Lincoln	22 (30)	23 (33)	148 (197)	193 (260)	54 (93)	38 (57)	312 (355)	404 (505)
Invermay	27 (32)	7 (8)	84 (133)	118 (173)	55 (123)	27 (13)	170 (281)	252 (417)
Total	188 (166)	82 (107)	782 (1009)	1052 (1282)	506 (532)	258 (192)	1606 (1938)	2370 (2662)

* Inspectors employed by MQM (including beekeepers)

** Beekeeper inspectors under MQM direction (diseaseathons)

Table 6

**INCIDENCE OF AMERICAN FOULBROOD IN APIARY DISTRICTS TO 30 JUNE 1995
(1994 FIGURES IN BRACKETS)**

MQM Apiary Register	Diseased Apiaries/ % of Total District Apiaries		Diseased Hives/ % of Total District Hives		Apiaries Inspected NBA Programme* / % of Total District Hives	
	Number	%	Number	%	Number	%
Whangarei	95 (117)	3.3% (3.9%)	181 (286)	0.6% (0.9%)	154 (158)	5.1% (5.1%)
Hamilton	151 (225)	5.2% (7.2%)	259 (348)	0.6% (0.8%)	122 (231)	4.1% (7.3%)
Tauranga	175 (233)	5.0% (6.3%)	501 (402)	1.0% (0.8%)	363 (337)	10.1% (9.4%)
Palmerston North	167 (97)	4.2% (2.4%)	442 (161)	1.2% (0.4%)	267 (246)	6.7% (6.3%)
Blenheim	153 (177)	7.5% (8.9%)	331 (543)	1.5% (2.7%)	184 (235)	9.0% (11.7%)
Lincoln	193 (260)	3.7% (4.9%)	404 (505)	0.7% (0.9%)	578 (401)	11.2% (7.5%)
Invermay	118 (173)	2.9% (4.1%)	252 (417)	0.5% (0.8%)	205 (263)	4.7% (6.0%)
TOTAL	1052 (1282)	4.2% (5.1%)	2370 (2662)	0.8% (0.9%)	1873 (1871)	7.5% (7.5%)

* Includes both MQM and beekeeper inspectors, whether employed by MQM or under MQM direction (diseaseathons);
apiaries inspected as a percentage of apiaries registered on June 30, 1993.