

BIBLIOGRAPHY OF LUCERNE IN NEW ZEALAND*

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1. Abbott, J.M. 1971. A study of the effects of different frequencies of defoliation on the recovery growth of two varieties of lucerne (*Medicago sativa* L.) M.Ag.Sc. Thesis, Massey University, Palmerston North.
2. Adams, A.F.R. 1964. Observations on legume establishment and growth on acid soils. *Proceedings N.Z. Grassland Association*. 26: 115-122.
3. Adamson, M.R.W. 1972. Lucerne: establishment and management. *N.Z. Farmer*. 93 (16): 44-45.
4. Allbrook, R.F., Stiefel, W. 1977. Fertiliser requirements of lucerne (*Medicago sativa* L.) under a haying regime on North Island sand country. *N.Z. Journal of Experimental Agriculture*. 5: 29-33.
5. Allen, F.C. 1967. Weed control in lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer, Reed, Wellington. 221-228.
6. Allen, R.B., McDonald, I.R., Cullen, N.A. 1975. Herbage production of pasture legumes at three sites in Otago. *Proceedings N.Z. Grassland Association*. 37: 182-195.
7. Allison, R.M. 1971. Plant protein production. *Proceedings Lincoln College Farmers' Conference*. 21: 67-72.
8. Allison, R.M., Bailey, R.W., O'Connor, K.F. 1970. Protein and carbohydrate composition of lucerne grown in Canterbury. *Proceedings N.Z. Grassland Association* 32: 127-136.
9. Allison, R.M., Vartha, E.W. 1973. Yields of protein extracted from irrigated lucerne. *N.Z. Journal of Experimental Agriculture*. 1: 35-38.
10. Anon. 1949. Lucerne: points to be observed in its establishment. *N.Z. Journal of Agriculture*. 79: 135.
11. Anon. 1951. Trends in hay production North Island. *N.Z. Journal of Agriculture*. 82: 505-510.
12. Anon. 1951. Trends in hay production in South Island. *N.Z. Journal of Agriculture*. 83: 59-62.
13. Anon. 1951. Lucerne: trends in hay production. *N.Z. Journal of Agriculture*. 82: 505-510 and 83: 59-62.
14. Anon. 1952. Farm-made plant for better lucerne, *N.Z. Farmer*. 73 (12): 3-4.
15. Anon. 1959. Earlier, longer-growing lucerne prospect for lighter, drier land. *N.Z. Farmer*. 80 (16): 9.
16. Anon. 1963. Inoculation and pelleting of seeds of legumes such as lucernes and clovers. *Tussock Grasslands and Mountainland Institute Review*. 4: 26-29.
17. Anon. 1966. Lucerne stocking-trial on Taupo pumice. *N.Z. Farmer* 87 (9): 80-81.
18. Anon. 1967. Lucerne on Otago 'ridge country'. *N.Z. Farmer* 88 (15): 41-43.
19. Anon. 1968. Lucerne, plant for all seasons on pumice country. *N.Z. Farmer*. 89 (19): 4-7.
20. Anon. 1968. Weaners wintered on lucerne at 2,000 feet. (At Ohuka, Hawkes Bay). *N.Z. Farmers*. 89 (6): 40-43.
21. Anon. 1970. Dried lucerne: new cash crop in mid-Canterbury. *N.Z. Farmer*: 91 (3): 28-31.
22. Anon. 1971. Irrigation lucerne grown on contract for pelleting (in Canterbury). *N.Z. Farmer*. 91 (22): 31-33.
23. Anon. 1971. Research progress: lucerne on sand country. *N.Z. Farmer*. 92 (19): 52-53.
24. Anon. 1975. Lucerne on North Otago downland. *N.Z. Farmer*. 96 (5): 36-39.
25. Ashby, J.W., Forster, R.L.S., Fletcher, J.D., Teh, P.B. 1979. A survey of sap-transmissible viruses of lucerne in New Zealand. *N.Z. Journal of Agricultural Research*. 22: 637-640.
26. Aston, B.C. 1916. Lucerne on gravel. *N.Z. Journal of Agriculture*. 12 (2): 110.
27. Atkinson, G.C. 1976. No-tillage establishment of lucerne. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 9-13.
28. Atkinson, G.C., Douch, G.A. 1973. Weed-free lucerne in pumice country. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 54-59.
29. Atkinson, G.C., Meeklah, F.A. 1980. Weed control in lucerne. N.Z. M.A.F. Aglink FPP 403.
30. Atkinson, J.P. 1971. Legume inoculant service. *N.Z. Journal of Agriculture*. 122 (6): 61.
31. Avery, G.A. 1962. Lucerne seed production. *Proceedings N.Z. Grassland Association*. 24: 121-125.
32. Avery, G.A. 1963. Lucerne seed production in Marlborough. *N.Z. Journal of Agriculture*. 106 (3): 381-389.
33. Baars, J.A. 1980. Performance of lucerne/grass mixtures on Atiamuri sand. *Proceedings Agronomy Society of N.Z.* 10: 27-29.

34. Baars, J.A., Douglas, J.A., Allan, P.J.T. 1981. Lucerne establishment on uncultivated pumice hill country in the central North Island, New Zealand. *N.Z. Journal of Experimental Agriculture*. (In press).
15. Baars, J.A., Douglas, J.A. 1976. Autumn overdrilled Tama ryegrass and cereals to supplement lucerne in the central North Island. *Proceedings N.Z. Grassland Association*. 37: 237-244.
16. Baars, J.A., Radcliffe, J.E., Brunswick, L.F.C. 1975. Seasonal distribution of pasture production in New Zealand. IV. Wairakei, pasture and lucerne production. *N.Z. Journal of Experimental Agriculture* 3: 253-258.
17. Bailey, J.M., Gibson, A.R., Giltrap, D.J.; Lee, R. 1975. Protein and carbohydrate composition and soil properties in Dannevirke, Kiwitea, and Marton silt loams, with particular reference to phosphate and sulphate. *N.Z. Journal of Agricultural Research*. 19: 79-90.
18. Bailey, R.W., Allison, R.M., O'Connor, K.F. 1970. Protein and carbohydrate composition of lucerne grown in Canterbury. *Proceedings N.Z. Grassland Association*. 32: 127-136.
19. Barnes, M.F. 1976. Growth of yeasts on spent lucerne whey and their effectiveness in scavenging residual protein. *N.Z. Journal of Agricultural Research*. 19: 537-541.
20. Barrer, P.R. 1947. Advantages of the lucerne crop. *N.Z. Journal of Agriculture*. 75: 401-402.
21. Barrer, P.R. 1962. Lucerne seed production in Christchurch district. *N.Z. Journal of Agriculture*. 105 (1): 56.
22. Batey, M.J. 1977. Blue-green lucerne aphid biology, damage and control with reference to Canterbury. *N.Z. M.A.F. Aglink FPP* 83.
23. Batey, M.J. 1978. Lucerne seed under irrigation on Canterbury soils. *N.Z. M.A.F. Aglink FPP* 106.
24. Baylis, G. de S. 1915. Lucerne: co-operative field trials in the North Island. *N.Z. Journal of Agriculture*. 10 (3): 251-258.
25. Beattie, R.I. 1966. Improvement of low rainfall hill country (with lucerne). *Proceedings N.Z. Grassland Association*. 28: 129-133.
26. Beggs, J.P. 1962. Growth inhibition in some Marlborough soils. *Proceedings N.Z. Grassland Association*. 24: 126-132.
27. Beggs, J.P., Warren, K.J. 1974. Lucerne lifts production on Marlborough farm. *N.Z. Journal of Agriculture*. 129 (6): 56-59.
28. Binnie, D.B. 1977. Lambs early weaning onto lucerne. *N.Z. M.A.F. Aglink FPP* 69.
29. Bircham, J.S., Christieson, W.M. 1975. The effect of plant density on lucerne survival and performance on a stony soil on the Wairarapa Plains. *Proceedings Agronomy Society of N.Z.* 5: 37-40.
0. Bird, M. 1975. Drier is king-pin of lucerne enterprise. *N.Z. Journal of Agriculture*. 130 (5): 4-5.
51. Blackmore, L.W. 1943. Production of lucerne seed in Marlborough. *N.Z. Journal of Agriculture*. 67 (3): 191-195.
52. Blair, I.D. 1965. Deterioration in lucerne — survey of farmer practice. *Canterbury Chamber of Commerce Bulletin*. 434.
53. Blair, I.D. 1968. Deterioration (running out) of lucerne in the South Island. *Proceedings 21st N.Z. Weed and Pest Control Conference*. 21: 38-44.
54. Blair, I.D. 1971. Lucerne nodulation failures. *Proceedings Lincoln College Farmers' Conference*. 21: 58-66.
55. Blair, I.D. 1971. Aspects of the seedling development of lucerne (*Medicago sativa* L.). *Proceedings Agronomy Society of N.Z.* 1: 87-93.
56. Blair, I.D. 1973. Factors in lucerne establishment. *N.Z. Journal of Agriculture*. 127 (6): 17-19.
57. Blair, I.D.; Bennett, A. 1960. Rhizobium inoculation of lucerne (*Medicago sativa* L.). *N.Z. Journal of Agricultural Research*. 3 (5): 804-819.
58. Blake, G.A. 1948. Hillside barn for lucerne hay. *N.Z. Journal of Agriculture*. 77 (5): 191-195.
59. Blakemore, L.C., Ludecke, T.E.; Leamy, M.L. Metson, A.J. 1969. A study of the pattern of sulphur responses shown by dryland lucerne on some brown-grey earths. *N.Z. Journal of Agricultural Research*. 12 (2): 333-351.
60. Blomfield, P. 1963. Feeding lucerne (fertilisers). *N.Z. Farmer*. 83 (44): 25.
61. Blomfield, P. 1965. Fertilisers: topdressing lucerne. *N.Z. Farmer*. 86 (12): 26.
62. Blomfield, P. 1966. Lucerne topdressing. *N.Z. Farmer* 87 (18): 31.
63. Blomfield, P. 1968. Stimulating growth of lucerne (with fertilisers). *N.Z. Farmer*. 88 (22): 31.
64. Boesewinkel, H.J. 1976. Pepper spot disease in lucerne. *N.Z. Journal of Agriculture*. 132 (3): 38-39.
65. Bonish, P.M., Neville, F.J., Lowther, W.L. 1980. Laboratory testing for numbers of viable rhizobia on commercially pelleted legume seed. *N.Z. Journal of Experimental Agriculture*. 8: 139-143.
66. Bonner, R.G. 1973. Lucerne on the pumice: considerations in planning sowings. *N.Z. Journal of Fertilisers*. 42: 9.
67. Brewerton, H.V., McGrath, H.J.N., Grandison, G.S. 1969. Thionazin residues on lucerne and red clover (experiments for control of *Ditylenchus dipsaci*). *N.Z. Journal of Agricultural Research*. 12: 171-176.
68. Bryant, A.M. 1978. Milk-yield and composition from cows grazing lucerne. *Proceedings N.Z. Society of Animal Production*. 38: 185-190.
69. Burnett, P.A. 1972. An investigation of the susceptibility of varieties of lucerne (*Medicago sativa* L.), to the nematode *Ditylenchus dipsaci*, (Kuhn). M.A.Sc. Thesis, Lincoln College, Canterbury.

70. Burnett, P.A., Dunbier, M.W., Hiatt, J.A. 1979. Glasshouse screening technique for resistance to stem nematode in lucerne. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 199-201.
71. Calder, J.W. 1955. Lucerne — grass clover mixtures. *Proceedings Lincoln College Farmers' Conference*. 5: 58-61.
72. Calder, J.W., Iversen, C.E. 1957. The new grazing types of lucerne. *Canterbury Chamber of Commerce Bulletin*. 334.
73. Cameron, B.K. 1973. The management of lucerne in a Canterbury low-rainfall sheep farming system. *Proceedings N.Z. Grassland Association*. 34: 263-268.
74. Cameron, P.J., Thomas, W.P., Hill, R.C. 1980. Introduction of lucerne aphid parasites and a preliminary evaluation of natural enemies of *Acyrtosiphon* spp. (Hemiptera: Aphididae) in New Zealand. In "Proceedings 2nd Australasian Conference on Grassland Invertebrae Ecology". Ed. T.K. Crosby, R.P. Pottinger, Government Printer, Wellington. 219-223.
75. Cameron, P.J., Walker, G.P.; Allan, D.J. 1981. Establishment and dispersal of the introduced parasite *Aphidiuseadyi* (Hymenoptera: Aphidiidae) in the North Island of New Zealand and its initial effect on pea aphid. *N.Z. Journal of Zoology*. 8: 105-112.
76. Campbell, A.G. 1967. Liveweight gains from lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 251-271.
77. Carr, J.R., Pearson, G. 1976. Photosensitisation, growth performance, and carcass measurements of pigs fed diet containing commercially prepared lucerne leaf-protein concentrate. *N.Z. Journal of Experimental Agriculture*. 4: 45-50.
78. Carran, R.A., Gregg, R.E.G., Stephen, R.C. 1974. Copper deficiency in lucerne in Canterbury. *N.Z. Journal of Experimental Agriculture*. 2: 135-137.
79. Cassels, G.R. 1966. Selective control of barley grass in lucerne. *Proceedings 19th N.Z. Weed and Pest Control Conference*. 110-112.
80. Cassels, G.R., Upritchard, E.A. 1968. Improved selective weed control in established lucerne. *Proceedings 21st N.Z. Weed and Pest Control Conference*. 60-66.
81. Chamberlain, H. de. O. 1943. Lucerne on sand country. *N.Z. Journal of Agriculture*. 67 (4): 273-274.
82. Charlton, J.F.L. 1978. Control of slug damage in oversown pasture legumes. *Proceedings 31st N.Z. Weed and Pest Control Conference*. 127-130.
83. Charlton, J.F.L. 1978. Slugs as possible cause of establishment failure in pasture legumes oversown in boxes. *N.Z. Journal of Experimental Agriculture*. 6: 313-318.
84. Clare, R.J. 1966. Success with lucerne at Wairakei. *N.Z. Journal of Agriculture*. 113 (5): 70-71.
85. Clare, R.J. 1966. Wairakei lucerne experimental fruitful in management lessons. *N.Z. Journal of Agriculture*. 113 (6): 61-63.
86. Clare, R.J. 1968. Establishment and management of lucerne on pumice soils in relation to the incidence of weeds. *Proceedings 21st N.Z. Weed and Pest Control Conference*. 45-48.
87. Clare, R.J. 1971. Lucerne in the pumice country. *Proceedings N.Z. Grassland Association*. 33: 50-59.
88. Clare, R.J., Matthews, L.J. 1969. Weed control in lucerne. *Proceedings 22nd N.Z. Weed and Pest Control Conference*. 114-117.
89. Clare, R.J., Morgan, C.G.T., Rhodes, P.J. 1981. Lucerne oversowing on hill country. Manuscript in preparation.
90. Cliffe, A.M. 1977. Insecticidal control of blue-green lucerne aphid. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 168-169.
91. Clifford, P.T.P. 1975. Legume establishment on low fertility semi-arid tussock grasslands. *N.Z. Journal of Experimental Agriculture*. 3: 235-238.
92. Clifton, E. 1914. Lucerne. *N.Z. Department of Agriculture and Industry and Commerce Bulletin*. 34.
93. Close, R.C. 1967. Diseases of lucerne in New Zealand. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 248-256.
94. Close, R.C. 1972. Diseases of lucerne in New Zealand. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 106-109.
95. Close, R.C., Mulcock, A.P. 1972. Bacterial wilt, *Corynebacterium insidiosum* (McCulloch, 1925; Jensen, 1934) of lucerne in New Zealand. *N.Z. Journal of Agricultural Research*. 15 (1): 141-148.
96. Close, R.C.; Sanderson, F.R. 1977. Lucerne diseases and their control. *Proceedings Lincoln College Farmers' Conference*. 127-134.
97. Close, R.C., Whitelaw, J.S., Taylor, G.G. 1971. Studies on the nodulation of lucerne in the field. I. After inoculation with *Rhizobium meliloti* granules. II. After using certain fungicides as seed treatments. *Proceedings 4th Australian Legume Nodulation Conference*.
98. Cockayne, A.H. 1913. Lucerne seed growing in New Zealand - Poverty Bay experience. *N.Z. Journal of Agriculture*. 7 (2): 166-167.
99. Cockayne, A.H. 1915. Lucerne and weeds. *N.Z. Journal of Agriculture*. 11 (1): 53-54.
100. Cockayne, L. 1922. An economic investigation of the montane tussock grasslands of New Zealand. X. The effect of spelling a heavily grazed pasture in Central Otago. *N.Z. Journal of Agriculture*. 22: 148-157.
101. Cockayne, L. 1922. An economic investigation of the montane tussock grassland of New Zealand. XII. The re-grassing experiments in Central Otago. Part 3. Results up to May 1922. *N.Z. Journal of Agriculture*. 25: 129-144.
102. Cocks, J.S., Burnett, P.A., Dunbier, M.W. 1976. Use of aerial photography in detecting stem nematode infestations in lucerne. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 35-37.

103. Coop, I.E. 1967. Value of lucerne after conservation. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 283-289.
104. Coop, I.E. 1977. Depression of lambing percentage from mating on lucerne. *Proceedings N.Z. Society of Animal Production*. 37: 149-151.
105. Coop, I.E., Clarke, V.R. 1960. The reproductive performance of ewes mated on lucerne. *N.Z. Journal of Agricultural Research*. 3: 922-933.
106. Cosgrove, G.P. 1978. Grazing duration studies on lucerne. M. Agr. Sc. Thesis, Lincoln College.
107. Cox, J. 1976. A new pest of lucerne. *N.Z. Journal of Agriculture*. 133 (2): 49-50.
108. Cox, J., Dale, P. 1977. New records of plant pests in New Zealand. *N.Z. Journal of Agricultural Research*. 20: 109-111.
109. Crooks, M. 1975. Degenerative diseases of lucerne. *N.Z. Journal of Agriculture*. 131 (6): 19-20.
110. Croy, B.G., Weeds, W.C. 1975. Beef production on pasture and lucerne. *Proceedings N.Z. Grassland Association*. 36: 73-79.
111. Crush, J.R. 1976. Endomycorrhizas and legume growth in some soils of the MacKenzie Basin, Canterbury, New Zealand. *N.Z. Journal of Agricultural Research*. 19: 473-476.
112. Cullen, N.A. 1960. Lucerne-grass mixtures. *Proceedings N.Z. Grassland Association*. 22: 122-129.
113. Cullen, N.A. 1964. Pasture establishment problems at Te Anau. *Proceedings N.Z. Grassland Association*. 26: 109-115.
114. Cullen, N.A. 1965. A comparison of the yield and composition of various mixtures of lucerne and grass sown in alternate rows with lucerne sown as a pure stand. *N.Z. Journal of Agricultural Research*. 8: 613-624.
115. Cullen, N.A. 1967. Establishment and management of lucerne-grass mixtures. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 186-190.
116. Cullen, N.A. 1971. Factors influencing establishment of oversown grasses and clovers on unploughable hill country. Invermay Agricultural Research Centre, Research Report. 1: 32.
117. De Lacy, H. 1976. Lucerne disease - control by spraygun or seed catalogue? *N.Z. Farmer*. 97 (19): 14-15.
118. Dale, W.R. 1967. Fertiliser responses by lucerne. In "The Lucerne Crop", Ed. R.H.M., Langer. Reed, Wellington. 134-142.
119. Dale, W.R., Goldsmith, D. 1966. Eight years of trials on lucerne show way to better yields. *N.Z. Journal of Agriculture*. 113 (2): 16-21.
120. Davis, B.M. 1924. Root development of lucerne. *N.Z. Journal of Agriculture*. 28 (3): 179-180.
121. Davis, G.H. 1972. The effect of grazing lucerne on ewe fertility. M. Ag. Sc. Thesis, Lincoln College, Canterbury.
122. Deem, J.W. 1918. Lucerne growing - the Manawatu, Wanganui and Taranaki districts. *N.Z. Journal of Agriculture*. 17 (5): 265-273.
123. Donovan, B.J. 1974. Introduction of new bee species for pollinating lucerne. *Proceedings N.Z. Grassland Conference*. 36: 123-128.
124. Donovan, B.J. 1976. Lucerne pollination. In "New Zealand Insect Pests", Ed. Ferro, D.N., Lincoln College, Canterbury. 230-239.
125. Donovan, B.J. 1981. Integrated bug control in seed crops. *N.Z. Farmer*. 102 (1): 18-19.
126. Douglas, J.A. 1970. The oversowing of lucerne on steepland soils in North Otago. *Tussock Grassland and Mountainland Institute Review*. 20: 42-48.
127. Douglas, J.A. 1970. The Cockayne plots of Central Otago. *Proceedings N.Z. Ecological Society*. 17: 18-24.
128. Douglas, J.A. 1974. The establishment of lucerne on semi-arid steepland soils of New Zealand by oversowing. *Proceedings 12th International Grassland Congress*. 650-659.
129. Douglas, J.A. 1971. Autumn lucerne management - effect on early spring production (in North Otago). *N.Z. Agricultural Science*. 6 (2): 13-15.
130. Douglas, J.A., Kinder, J.W. 1973. Production and composition of various lucerne and grass mixtures in a semi-arid environment. *N.Z. Journal of Experimental Agriculture*. 1: 23-27.
131. Douglas, J.A., Wilkinson, R.C. 1976. A preliminary trial on the spring grazing of lucerne. *Proceedings N.Z. Grassland Association*. 37: 248-252.
132. Doull, K.M. 1967. A review of the factors affecting seed production in lucerne. In "The Lucerne Crop", Ed. R.H.M. Langer. Reed, Wellington. 201-221.
133. Driver, C.M. 1936. An investigation into some problems connected in breeding in lucerne. M. Ag. Sc. Thesis, Massey University, Palmerston North.
134. Duder, R. 1974. Lucerne moves north - warmer, wetter country doesn't rule it out. *N.Z. Farmer* 95 (16): 15-17.
135. Dunbar, G., Horrell, R.F., Costello, E.J. 1980. Overdrilling of dry hill country. *Proceedings Lincoln College Farmers' Conference*. 29: 272-283.
136. Dunbier, M.W. 1971. Associations between characteristics in populations of creeping rooted lucerne. (*Medicago sativa* L.) I. Correlations between non-creeping characteristics. *N.Z. Journal of Agricultural Research*. 14: 772-780.
137. Dunbier, M.W. 1971. Associations between characteristics in populations of creeping rooted lucerne. (*Medicago sativa* L.) II. Association of creep with other plant characters and assessment of the creeping-rooted character. *N.Z. Journal of Agricultural Research*. 14: 781-790.
138. Dunbier, M.W. 1978. Lucerne cultivars, 1978/1979. *N.Z. M.A.F. Aglink FPP* 147.
139. Dunbier, M.W. 1979. Lucerne cultivars wide choice for 1979 sowings. *N.Z. Journal of Agriculture*. 139 (3): 27-28.

140. Dunbier, M.W., Bingham, E.T. 1975. Maximum heterozygosity in alfalfa: results using haploid-derived autotetraploids. *Crop Science*. 15: 527-531.
141. Dunbier, M.W., Close, R.C., Ellis, T.J. 1976. Disease and pest-resistant lucerne cultivars for New Zealand. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 46-49.
142. Dunbier, M.W.; Ellis, T.J. 1979. 'Rere' lucerne. *Australasian Plant Breeding and Genetics Newsletter*. 29: 60-61.
143. Dunbier, M.W.; Ellis, T.J.; Burnett, P.A. 1978. Production of aphid resistant lucerne cultivars for New Zealand. In "Lucerne Aphid Workshop", Department of Agriculture, Tamworth, New South Wales. 204-209.
144. Dunbier, M.W., Eskew, D.L., Bingham, E.T., Schrader, L.E. 1975. Performance of genetically comparable diploid and tetraploid alfalfa: agronomic and physiological parameters. *Crop Science*. 15: 211-214.
145. Dunbier, M.W., Kain, W.M., McSweeney, K.B. 1977. Performance of lucerne aphid in New Zealand. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 155-159.
146. Dunbier, M.W., Palmer, T.P. 1977. Lucerne cultivars that resist diseases. *Proceedings Lincoln College Farmers' Conference*. 135-146.
147. Dunbier, M.W., Palmer, T.P., Ellis, T.J., Bennett, P.A. 1980. Field evaluation of lucerne cultivars for *Ditylenchus dipsaci* (Nematode: Tylenchidae) and *Acyrtosiphon kondoi* (Hemiptera: Aphididae). In "Proceedings 2nd Australasian Conference on Grassland Invertebrate Ecology." Ed. T.K. Crosby, R.P. Pottinger. Government Printer, Wellington. 99-102.
148. Dunbier, M.W., Palmer, T.P., Ellis, T.J., Burnett, P.A. 1979. The effect of stem nematode infestation on productivity and persistence of lucerne cultivars. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 195-198.
149. Dunbier, M.W., Sanderson, F.R. 1976. Lucerne cultivars resistant to diseases. *N.Z. Journal of Agriculture*. 132 (2): 10-12.
150. Dunbier, M.W., Sanderson, F.R., Ellis, T.J. 1981. Effect of bacterial wilt and verticillium wilt on six lucerne cultivars. *Proceedings 34th Weed and Pest Control Conference*. 21-24.
151. Dunbier, M.W., Timms, N.J., Purves, R.G. 1979. Effect of pea aphid on seedlings of lucerne cultivars in New Zealand. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 192-194.
152. East, R. 1977. Effects of pasture and forage crop species on longevity, fecundity and oviposition rate of adult white-fringed weevils *Graphognathus leucomola* (Bohemian). *N.Z. Journal of Experimental Agriculture*. 5: 177-181.
153. East, R. 1978. White-fringed weevil: biology and control. *N.Z. M.A.F. Aglink IS* 170.
154. East, R., Parr, J. 1977. Cultural control of white-fringed weevil. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 46-49.
155. East, R., Parr, J., Millar, C.M. 1975. Control of white-fringed weevil adults with insecticide. *Proceedings 28th N.Z. Weed and Pest Control Conference*. 213-216.
156. East, R., Pottinger, R.P., Newman, L.M. 1977. Chemical control of blue-green lucerne aphid in northern North Island. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 160-164.
157. Elliot, I.L. 1967. Lucerne in the North Island of New Zealand. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 298-303.
158. Elliot, M.G. 1973. Turnips as lucerne cover crops. *N.Z. Journal of Agriculture*. 126 (2): 26-27.
159. Elliot, M.G., Kerse, J.C. 1974. Lucerne in North Otago. *Proceedings N.Z. Grassland Association*. 36: 17-23.
160. Elliott, A.G., Lonsdale, T.W. 1936. Lucerne in the Wellington, Taranaki and East Coast districts. *Proceedings N.Z. Grassland Association*. 5: 92-95.
161. Elliott, R.B. 1974. An intensively grazed downland lucerne farm. *Proceedings N.Z. Grassland Conference*. 36: 24-29.
162. Ellis, T.J., Palmer, T.P. 1973. Heat treatment of hard seed in lucerne. *N.Z. Journal of Experimental Agriculture*. 1: 44-45.
163. Engelbrecht, R.L. 1972. Lucerne - as a cash crop for drying. *N.Z. Farmer*. 93 (17): 81-83.
164. Esson, M.J. 1975. Notes on the biology and distribution of three recently discovered exotic weevil pests in Hawkes Bay. *Proceedings 28th N.Z. Weed and Pest Control Conference*. 208-212.
165. Farm Advisory Officers, Rotorua and Taupo. 1978. Lucerne growing on volcanic plateau. *N.Z. M.A.F. Aglink FPP* 169.
166. Fautrier, A.G. 1967. The cytogenetics of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 65-73.
167. Fautrier, A.G. 1974. The influence of gamma irradiation on dry seeds of lucerne cv. Wairau. Ph.D. Thesis, Lincoln College, Canterbury.
168. Fennessy, P.F., Woodlock, M.R., Jagusch, K.T. 1972. Energy balance studies with weaned lambs. 2. Effect of age at weaning on the utilisation of metabolisable energy of lucerne and ryegrass/clover pasture. *N.Z. Journal of Agricultural Research*. 15: 795-801.
169. Fitzgerald, J.N. 1956. Weed control in lucerne. *Proceedings 9th N.Z. Weed and Pest Control Conference*: 106-109.
170. Fitzgerald, J.N. 1955. Control of grass in lucerne. *N.Z. Journal of Agriculture*. 90: 301-303.
171. Fitzgerald, P.D., Knight, T.L. 1977. Irrigation of lucerne. *N.Z. Journal of Agriculture*. 135 (6): 38-39.

172. Fitzgerald, P.D., Knight, T.L., Janson, C.G. 1977. Lucerne irrigation on light soils. *N.Z. Journal of Experimental Agriculture*. 5: 23-27.
173. Flay, A.H. 1955. Lucerne in the farm programme. *Proceedings Lincoln College Farmers' Conference*. 70-72.
174. Flay, A.H. 1962. Place of lucerne in dry land farming. *Proceedings N.Z. Grassland Association*. 24: 104-115.
175. Fletcher, L.R. 1976. Effect of season and regrowth period on the *in vitro* digestability of irrigated lucerne in Canterbury. *N.Z. Journal of Experimental Agriculture*. 4: 469-472.
176. Forbes, E.A. 1978. Investigations into the availability to lucerne (*Medicago sativa*) of copper applied to yellow-brown pumice soils. (I) Farmer survey of copper in lucerne and soil. *N.Z. Journal of Agricultural Research*. 21: 629-636.
177. Forbes, E.A. 1978. Relationships between topdressing rate and concentration in established lucerne. *N.Z. Journal of Agricultural Research* 21: 637-642.
178. Forgie, C.D. 1973. Atrazine formulations for weed control in established lucerne. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 74-77.
179. Forster, I.W. 1974. Behaviour and effectiveness of bees in pollinating legumes. *Proceedings N.Z. Grassland Association*. 36 (1): 105-110.
180. Fraser, T.J., Vartha, E.W. 1979. Experience with lucerne-grass systems for sheep production. *Proceedings N.Z. Grassland Association*. 41: 50-55.
181. Fry, P.R. 1952. Occurrence of lucerne - mosaic virus in New Zealand. *N.Z. Journal of Science and Technology*. 34A: 320-326.
182. Furness, J.G. 1957. Processing lucerne: new Marlborough industry. *N.Z. Farmer*. 77 (3): 25.
183. Gaynor, D.L., Kain, W.M., Atkinson, D.S., Oliver, M.J. 1980. Observations of *Acrythosiphon kondoi* and *A. pisum* on lucerne crops in the southern North Island of New Zealand. In "Proceedings 2nd Australasian Conference on Grassland Invertebrate Ecology". Eds. T.K. Crosby, R.P. Pottinger; Government Printer, Wellington. 134-138.
184. Gooding, B. 1971. Research conclusions: recommendations for lucerne on pumice. *N.Z. Farmer*. 92 (18): 21-24.
185. Gooding, B. 1973. Going 'the whole hog' with lucerne. *N.Z. Farmer* 94 (20): 17-19.
186. Gooding, B. 1973. Lucerne boosting summer feed on pumice country. *N.Z. Farmer* 94 (6): 72-77.
187. Gooding, B. 1974. Lucerne on Tarawera Ash. *N.Z. Farmer*. 95 (1): 4-7.
188. Gooding, B. 1976. Blue-green aphid — worst lucerne pest. *N.Z. Farmer*. 97 (21): 16-17.
189. Grandison, G.S. 1977. Root knot and stem nematodes of lucerne. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 31-34.
190. Greenwood, F.W. 1921. Lucerne in the Stanley Brook and Tadmor Valleys. *N.Z. Journal of Agriculture*. 22 (5): 294-296.
191. Greenwood, P.B. 1979. Lucerne growing in Otago. *N.Z. M.A.F. Aglink FPP* 233.
192. Gurr, L. 1955. Notes on the efficiency of *Bombus terrestris* L. as a pollinator of lucerne. *N.Z. Journal of Science and Technology* 37A: 300.
193. Gurr, L. 1961. The pollination of red clover and lucerne in New Zealand. *Proceedings of N.Z. Society of Animal Production*. 21: 161-175.
194. Gurr, L. 1974. The role of bumble bees as pollinator of red clover and lucerne in New Zealand. *Proceedings N.Z. Grassland Association*. 36: 11-22.
195. Hadfield, J.W., Calder, R.A. 1934. Pollination of lucerne in respect to seed production and hybrid vigour. *Proceedings N.Z. Grassland Association*. 3: 7th Paper.
196. Hadfield, J.W., Calder, R.A. 1936. Lucerne (*Medicago sativa*) investigations related to pollination and seed production in New Zealand. *N.Z. Journal of Science and Technology*. 17: 577-594.
197. Hale, C.N. 1972. Rapid identification methods for *Corynebacterium insidiosum*. (McCulloch, 1925; Jensen 1934). *N.Z. Journal of Agricultural Research* 15: 149-154.
198. Hale, C.N. 1974. Hazards in lucerne crops — two bacterial wilt diseases. *N.Z. Journal of Agriculture* 129 (5): 53-54.
199. Hale, C.N., Close, R.C. 1974. A survey of the occurrence of bacterial wilt of lucerne in New Zealand. *N.Z. Journal of Experimental Agriculture*. 2: 75-77.
200. Hall, I.M., Lone, A.D., Given, B.B., Oliver, E.H.A. 1979. Fungi attacking the blue-green lucerne aphid in New Zealand. *N.Z. Journal of Zoology*. 6: 473-474.
201. Harris, P.B., Lobb, W.R. 1964. Fertiliser mixture for stimulating the growth of lucerne. *Proceedings Lincoln College Farmers' Conference*. 14: 34-39.
202. Harris, P.B., McNaught, K.J., Lynch, P.B. 1966. The main effects and interactions of nutrients on the growth of irrigated lucerne. *N.Z. Journal of Agricultural Research*. 9: 653-690.
203. Hart, R.I.K., Close, R.C. 1977. Control of leaf disease of lucerne with benomyl. *Proceedings 29th N.Z. Weed and Pest Control Conference*: 42-45.
204. Hart, R.I.K.; Jacobson, D.J.I. 1979. Initial studies into direct lucerne in Marlborough. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 40-43.
205. Harvey, I.C. 1979. Crown rot in lucerne. *N.Z. M.A.F. Aglink FPP* 230.
206. Harvey, I.C. 1979. Lucerne leaf diseases — significance, identification and control. *N.Z. M.A.F. Aglink FPP* 226.
207. Harvey, I.C., Martin, R.J. 1980. Leaf spot diseases on lucerne cultivars. *N.Z. Journal of Experimental Agriculture*. 8: 295-296.
208. Harvey, I.C., Somerfield, K.G. 1977. A field key to the common pests and diseases of lucerne in New Zealand. *Australian Plant Pathology Society News letter*. 6: 45-47.

209. Hastings, A., Greenwood, R.M., Proctor, M.H. 1966. Legume inoculation in New Zealand. *D.S.I.R. Information Series*. 58: 37.
210. Hayman, J.M. 1964. Studies on legume establishment and growth on an acid sulphur deficient soil. M. Ag. Sc. Thesis, Lincoln College, Canterbury.
211. Henderson, N.C. 1980. Studies on the predators, a parasite, and an entomophilous fungus affecting *Acyrthosiphon kondoi* (Hemiptera: Aphididae) in the Manawatu, New Zealand. In "Proceedings 2nd Australasian Conference on Grassland Invertebrate Ecology". Government Printer, Wellington. 278-282.
212. Henzell, R.F., Lauren, D.R., East, R. 1979. Effect on the egg hatch of white-fringed weevil of feeding lucerne treated with the insect growth regulator diflubenzuron. *N.Z. Journal of Agricultural Research*. 22: 197-200.
213. Hight, G.K., Kirton, A.H., Brownie, H.A., Duganzich, D.M. 1972. The autumn growth and carcass composition of hoggets grazed on lucerne, perennial ryegrass plus white clover, and white clover pastures. *N.Z. Journal of Agricultural Research*. 15: 527-537.
214. Hill, C.F. 1979. New plant disease records in New Zealand. *N.Z. Journal of Agricultural Research*. 22: 641-645.
215. Hill, M.J. 1975. Lucerne for seed production. *N.Z. Farmer*. 96 (2): 12-13.
216. Hill, R.P.; Walker, C. 1936. Lucerne growing in the Auckland district. *Proceedings N.Z. Grassland Association*. 5: 87-91.
217. Hill, W.S. 1913. Lucerne varieties from imported seed at Moumahaki. *N.Z. Journal of Agriculture*. 7 (5): 489-495.
218. Hill, W.S. 1915. Lucerne: its value to the poultry keeper. *N.Z. Journal of Agriculture*. 10 (2): 175-177.
219. Hill, W.S. 1915. Lucerne: its value during a dry season. *N.Z. Journal of Agriculture*. 10 (2): 106-110.
220. Hill, W.S. 1925. The culture of lucerne. Whitcombe and Tombs, Auckland. 268 pp.
221. Hoglund, J.H. 1971. Effect of defoliation management, nitrogen and grass. Overdrilling on the yield and quality of lucerne. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
222. Hoglund, J.H. 1972. Effects of defoliation management and 'Tama' overdrilling on weed yields of irrigated lucerne. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 96-101.
223. Hoglund, J.H. 1973. Bimodal response by nodulated legumes to combined nitrogen. *Plant and Soil*. 39: 533-545.
224. Hoglund, J.H., Dougherty, C.T., Langer, R.H.M. 1974. Response of irrigated lucerne to defoliation and nitrogen fertiliser. *N.Z. Journal of Experimental Agriculture*. 2: 7-11.
225. Honore, E.N., McMeikan, W.B., Cumberland, G.L.B. 1973. Lucerne weed control — results of two Northland trials. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 78-80.
226. Hopewell, H.B. 1962. Lucerne in the Waikato. *N.Z. Journal of Agriculture* 105: 557.
227. Hopkins, J.M. 1964. Lucerne an important crop on coastal sand country in Horowhenua. *N.Z. Journal of Agriculture*. 109: 200.
228. Inch, R. 1951. Management of lucerne in mid-Canterbury. *N.Z. Journal of Agriculture*. 82: 337-340.
229. Isuma, F. 1968. A study of the effect of the frequency of spring cutting on the regrowth and resulting yield of lucerne. (*Medicago sativa* L.). Thesis Massey University, Palmerston North.
230. Iversen, C.E. 1955. Developments in lucerne overseas and their possible application to new Zealand. *Proceedings Lincoln College Farmers' Conference*. 52-57.
231. Iversen, C.E. 1955. Lucerne species and strains. *Canterbury Chamber of Commerce Bulletin*. 315.
232. Iversen, C.E. 1961. Lucerne varieties. *Canterbury Chamber of Commerce Bulletin*. 381.
233. Iversen, C.E. 1965. Lucerne: its potentiality and methods of achieving its potentiality. *Proceedings of the Lincoln College Farmers' Conference*. 15: 78-83.
234. Iversen, C.E. 1965. Lucerne: its potentiality and methods of achieving its potentiality. *Canterbury Chamber of Commerce Bulletin*. 429.
235. Iversen, C.E. 1967. Grazing management of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed Wellington. 129-133.
236. Iversen, C.E., Calder, J.W. 1956. Light land pastures. *Proceedings N.Z. Grassland Association*. 18: 78-88.
237. Iversen, C.E., Meijer, G. 1960. Lucerne ecology in sub-humid and semi-humid areas. *Proceedings International Grassland Congress*. 4.
238. Iversen, C.E., Meijer, G. 1967. Types and varieties of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 71-84.
239. Jacks, H. 1956. Effects of seed dressings on damping-off and nodulation of lucerne. *N.Z. Journal of Science and Technology*. 38A: 312-315.
240. Jacques, W.A. 1950. Comparison between grass and lucerne for grazing. *Sheepfarming Annual*. 3: 119-128.
241. Jagusch, K.T. 1975. Sheep production from irrigated lucerne farming systems. *Span*. 18: 105-108.
242. Jagusch, K.T. 1976. Early weaning of lambs onto clover and lucerne pastures. *N.Z. Journal of Agriculture*. 136 (3): 48-53.
243. Jagusch, K.T., Bell, B.A. 1979. The performance of lambs fed cereal grains and lucerne hay and a feasibility study on grain finishing lambs from pastoral sheep farms. *N.Z. Agricultural Science*. 13: 54-58.
244. Jagusch, K.T., Clarke, V.R., Jay, N.P. 1970. Lamb production from animals weaned at three to five weeks of age onto lucerne. *N.Z. Journal of Agriculture Research*. 13: 808-814.

245. Jagusch, K.T., Gumbrell, R.C., Dellow, D.C. 1976. Red gut in lamb lucerne grazing trials at Lincoln. *Proceedings N.Z. Society of Animal Production*. 36: 190-197.
246. Jagusch, K.T., Gumbrell, R.C., Mobley, M.C., Jay, N.P. 1976. Effect on growth of early weaning lambs onto pure lucerne stands. *N.Z. Journal of Experimental Agriculture*. 5: 15-18.
247. Jagusch, K.T., Gumbrell, R.C., Mobley, M.C., Jay, N.P. 1977. Effect of salt blocks and roughage as supplements to grazing lucerne on growth rate of lambs and incidence of deaths from "red gut". *N.Z. Journal of Experimental Agriculture*. 5: 19-22.
248. Jagusch, K.T., McConnell, P. 1971. Possibilities for the intensification of lamb production. *Proceedings Lincoln College Farmers' Conference*. 21: 73-78.
249. Jagusch, K.T., Rattray, P.V., Winn, G.W. 1979. An evaluation of lucerne and clover crops for finishing weaned lambs. *Proceedings N.Z. Agronomy Society*. 9: 7-10.
250. Jagusch, K.T., Rattray, P.V., Smith, J.F., Lynch, R., Oliver, T., Brunswick, L.F.C. 1980. The strategic use of lucerne pastures as feed for sheep. *Proceedings Agronomy Society of N.Z.* 10: 19-22.
251. Jagusch, K.T., Rattray, P.V., Winn, G.W., Scott, M.E. 1979. Crops, legumes and pastures for finishing lambs. *Proceedings Ruakura Farmers' Conference*. 47-52.
252. James, T.K., Atkinson, G.C. 1979. Control of brown-top in lucerne on pumice soils. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 58-61.
253. Janson, C.G. 1970. Lucerne establishment studies on two types of uncultivated country. M.A.Sc. Thesis Lincoln College, Canterbury.
254. Janson, C.G. 1971. Germination and seedling establishment studies of oversown lucerne on uncultivated country. (summary only). *Proceedings N.Z. Grassland Association*. 33: 124.
255. Janson, C.G. 1971. Harvesting lucerne for maximum yields. *N.Z. Journal of Agriculture*. 122 (6): 51-53.
256. Janson, C.G. 1972. Cultural weed control in lucerne. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 92-95.
257. Janson, C.G. 1973. Lucerne management with ewes and lambs. *N.Z. Journal of Agriculture* 126 (6): 51-51.
258. Janson, C.G. 1974. The establishment, management and utilisation of lucerne. *Sheepfarming Annual*. 73-83.
259. Janson, C.G. 1974. Integration of irrigated lucerne with intensive cropping. *Proceedings N.Z. Grassland Conference*. 36: 62-65.
260. Janson, C.G. 1974. Lucerne for light land grazing. *N.Z. Journal of Agriculture*. 128 (3): 50-51.
261. Janson, C.G. 1974. Lucerne management for the critical spring period under light land grazing. *Proceedings N.Z. Grassland Conference*. 36: 66-72.
262. Janson, C.G. 1975. Autumn lucerne establishment under irrigation with cover crops and herbicides. *N.Z. Journal of Experimental Agriculture*. 3: 71-76.
263. Janson, C.G. 1975. Influence of autumn-winter lucerne management and overdrilled 'Grasslands Tama' on spring herbage yields under irrigated and dry conditions. *N.Z. Journal of Experimental Agriculture*. 3: 229-234.
264. Janson, C.G. 1975. Interaction of maturity stage and defoliation duration in the simulated grazing of irrigated lucerne. *N.Z. Journal of Experimental Agriculture*. 3: 63-69.
265. Janson, C.G. 1965. Irrigation of lucerne in its establishment seasons. *N.Z. Journal of Experimental Agriculture*. 3: 223-228.
266. Janson, C.G. 1974. Lucerne management for the critical spring period under light land grazing. *Proceedings N.Z. Grassland Conference*. 36: 66-72.
267. Janson, C.G. 1976. Lucerne grazing management. *Proceedings N.Z. Grassland Association*. 37: 245-247.
268. Janson, C.G. 1976. Lucerne irrigation, principles, practice and prospects. *Span*. 19: 37-39.
269. Janson, C.G. 1976. Lucerne management. *N.Z. Farmer*. 97: 27-28.
270. Janson, C.G. 1978. Raising the profitability of first year lucerne. *N.Z. Journal of Agriculture*. 136 (5): 25-29.
271. Janson, C.G. 1978. Studies on duration of grazing and defoliation in lucerne. Ph.D. Thesis, Massey University, Palmerston North.
272. Janson, C.G. 1979. A comparison of lucerne growth and development under field and controlled environment conditions. *Proceedings Agronomy Society of N.Z.* 9: 5-6.
273. Janson, C.G. 1979. Lucerne cultivars 1979/80. *N.Z. M.A.F. Aglink FPP* 147.
274. Janson, C.G., Knight, T.L. 1972. Lucerne variety trials. *N.Z. Journal of Agriculture*. 124 (1): 21.
275. Janson, C.G., Knight, T.W. 1973. Establishment of lucerne with cover crops under different soil moisture conditions. *N.Z. Journal of Experimental Agriculture*. 1: 243-251.
276. Janson, C.G., Knight, T.L. 1973. Establishment of lucerne with cover crops under different soil moisture conditions. *N.Z. Journal of Experimental Agriculture*. 1: 243-251.
277. Janson, C.G., White, J.G.H. 1971. Lucerne establishment studies on uncultivated country. I. Germination and seedling establishment. *N.Z. Journal of Agricultural Research*. 14: 572-586.
278. Janson, C.G., White, J.G.H. 1971. Lucerne establishment studies on uncultivated country. II. A nodulation problem. *N.Z. Journal of Agricultural Research*. 14: 587-596.
279. Jarman, P.K. 1976. 1. Lucerne on the South Canterbury downlands. 2. Lucerne survey findings, 1976. *N.Z. Journal of Agriculture*. 132 (1): 42-44.

280. Joyce, J.P. 1975. Supplementation of livestock grazing lucerne. *Proceedings Ruakura Farmers' Conference*. 27: 35-38.
281. Joyce, J.P., Brunswick, L.F.C. 1973. Nutritive value of lucerne for lambs. *Proceedings Ruakura Farmers' Conference*. 13-20.
282. Joyce, J.P., Brunswick, L.F.C. 1974. Feed value of lucerne. *N.Z. Journal of Agriculture*. 128 (1): 24-27.
283. Joyce, J.P., Brunswick, L.F.C. 1975. Effects of stage of growth, season and conservation method on the nutritive value of lucerne. *Proceedings N.Z. Society of Animal Production*. 35: 152-158.
284. Joyce, J.P., Brunswick, L.F.C. 1975. Sodium supplementation of livestock grazing lucerne. *Proceedings Ruakura Farmers' Conference*. 27: 35-38.
285. Joyce, J.P., Brunswick, L.F.C. 1975. Sodium supplementation of sheep and cattle fed lucerne. *N.Z. Journal of Experimental Agriculture*. 3: 299-304.
286. Joyce, J.P., Brunswick, L.F.C. 1977. Beef production from lucerne. *Proceedings N.Z. Society of Animal Production*. 37: 67-71.
287. Joyce, J.P., Brunswick, L.F.C., Parker, J. 1972. Feeding value of lucerne. *Proceedings N.Z. Society of Animal Production*. 32: 54-63.
288. Kain, W.M., Atkinson, D.S. 1977. Winter measures help control lucerne aphids. *N.Z. Dairy Exporter*, April 1977. 26.
289. Kain, W.M., Atkinson, D.S. 1982. The prediction and monitoring of pest outbreaks in New Zealand lucerne aphids (*Acyrtosiphon* spp.) *N.Z. Entomologist* 7: 248-255.
290. Kain, W.M., Atkinson, D.S., Marsden, R.S., Oliver, M.J., Holland, T.V. 1977. Blue-green lucerne aphid damage in lucerne crops within southern North Island. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 177-181.
291. Kain, W.M., Atkinson, D.S., Oliver, M.J. 1979. Seasonality of blue-green lucerne and pea aphid in the southern North Island of New Zealand. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 180-185.
292. Kain, W.M., Atkinson, D.S., Oliver, M.J., Stiefel, W. 1979. Pest assessment studies of blue-green lucerne and pea aphids in the Southern North Island region of New Zealand. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 171-179.
293. Kain, W.M., Biggs, D.R. 1981. Effect of pea aphid and blue-green aphid (*Acyrtosiphon* spp.) on coumestrol levels in herbage of lucerne (*Medicago sativa*). *N.Z. Journal of Agricultural Research*. 23: 563-568.
294. Kain, W.M., Esson, M.J., Holland, T.V., Atkinson, D.S. 1976. Preliminary studies of chemical control of blue-green lucerne aphid. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 23-27.
295. Kain, W.M., Trought, T.E.T., Gaynor, D.L., Atkinson, D.S. 1978. Studies on *Acyrtosiphon kondoi* and *A. pisum* in New Zealand. In "Lucerne Aphid Workshop", Department of Agriculture, Tamworth, New South Wales. 247-252.
296. Kennington, B.J. 1955. Lucerne in the farm programme. *Proceedings of the Lincoln College Farmers' Conference*. 61-63.
297. Keoghan, J.M. 1966. The effect of defoliation on the regrowth and leaf area index of lucerne. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
298. Keoghan, J.M. 1967. Effects of cutting frequency and height on top-growth of pure lucerne stands. In "The Lucerne Crop". Ed. R.H.M. Langer, Reed, Wellington. 117-128.
299. Keoghan, J.M. 1970. The growth of lucerne following defoliation. Ph.D. Thesis, Lincoln College, Canterbury. 372.
300. Kerr, A.G. 1951. Lucerne growing in Otago and Southland. *N.Z. Journal of Agriculture*. 82: 253-256.
301. Kerr, J.P., Talbot, J.S. 1972. Evapotranspiration rates of lucerne (*Medicago sativa* L.) *Paspalum (Paspalum dilatatum)* and maize (*Zea mays* L.). *Proceedings Agronomy Society of N.Z.* 2: 128.
302. King, P.D., Mercer, C.F., Stirling, J., Meekings, J.S. 1975. Resistance of lucerne to black beetle. *Proceedings 28th N.Z. Weed and Pest Control Conference*. 262-263.
303. Koller, B. 1967. Lucerne — immediate answer for marly in North Otago. *N.Z. Farmer*. 88 (3): 7.
304. Kwong Sue, Ferro, D.N., Emberson, R.M. 1980. A rearing method for *Sitona humeralis*. Stephens (Coleoptera: Curculionidae) and its development under controlled conditions. *Bulletin of Entomological Research*. 70: 97-102.
305. Kwong Sue, Ferro, D.N.; Emberson, R.M. 1980. Life history and seasonal development of *Sitona humeralis* (Coleoptera: Curculionidae). *N.Z. Entomologist*. 7: 165-169.
306. Lamb, D.H. 1969. Lucerne, for feed or cash. *N.Z. Journal of Agriculture*. 12 (5): 88-91.
307. Lammerink, J. 1959. Effects of border dike irrigation and fertiliser placement on lucerne. *N.Z. Journal of Agriculture*. 99: 553-557.
308. Lammerink, J. 1959. Lime, Superphosphate and potash on irrigated lucerne. *N.Z. Journal of Agriculture*. 99: 345.
309. Lancaster, R.J., Brunswick, L.F.C. 1977. Comparison of formic acid with a formaldehyde and formic acid mixture as additives for lucerne silage. *N.Z. Journal of Experimental Agriculture*. 5: 113-114.
310. Lancaster, R.J., Brunswick, L.F.C. 1977. Optimum rate of applications of formic acid during ensiling of unwilted lucerne. *N.Z. Journal of Agricultural Research*. 20: 151-156.

311. Lancaster, R.J., Brunswick, L.F.C., Wilson, R.D. 1975. Formic acid as an additive for lucerne silage. *Proceedings N.Z. Society Animal Production*. 35: 159.
312. Lancaster, R.J., Brunswick, L.F.C., Wilson, R.D. 1977. Evaluation of formic acid as an additive for lucerne silage. *N.Z. Journal of Experimental Agriculture*. 5: 107-111.
313. Lancaster, R.J., Rattray, P.V. 1976. Developments with pasture and lucerne silage. *Proceedings Ruakura Farmers' Conference*. 28: 49-52.
314. Lancaster, R.J., Rattray, P.V. 1977. Developments in pasture and lucerne silage. *N.Z. Journal of Agriculture*. 134 (5): 49-51.
315. Lane, P.M.S., Cornwell, M.J. 1981. Control of certain hard-to-kill weed species in lucerne with hexazinone. *Proceedings 34th N.Z. Weed and Pest Control Conference*. 17-20.
316. Langer, R.H.M. 1967. Ed. "The Lucerne Crop". Reed, Wellington. 314 pp.
317. Langer, R.H.M. 1968. Growth of lucerne. *Proceedings N.Z. Grassland Association*. 30: 12-20.
318. Langer, R.H.M. 1973. Lucerne. In "Pastures and Pasture Plants". Ed. R.H.M. Langer. Reed, Wellington. 347-364.
319. Langer, R.H.M., Keoghan, J.M. 1970. Growth of lucerne following defoliation. *Proceedings N.Z. Grassland Association*. 32: 98-107.
320. Lauder, B.A. 1959. Lucerne irrigation trial at Winchmore. *N.Z. Journal of Agriculture*. 98: 57-60.
321. Lauder, B.A. 1978. Irrigated lucerne. *N.Z. Journal of Agriculture*. 132 (2): 52-55.
322. Lee, R., Metson, A.J. 1976. Potassium removal from soil by lucerne over three years and the effect of potassium topdressing. *N.Z. Journal of Agricultural Research*. 20: 185-192.
323. Leitch, C.C. 1954. Value of pasture species in Canterbury. *Proceedings N.Z. Grassland Association*. 16: 112-121.
324. Leonard, W.F. 1959. Weed control in lucerne. *N.Z. Journal of Agriculture*. 98: 546.
325. Leonard, W.F. 1964. Paraquat on lucerne. *Proceedings 17th N.Z. Weed and Pest Control Conference*. 44-48.
326. Lobb, W.R. 1941. Lucerne worthy of its place in Central Otago. *N.Z. Journal of Agriculture*. 63: 99-101.
327. Lobb, W.R. 1967. Irrigation, management and fertiliser interactions. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 150-158.
328. Lobb, W.R. 1969. Management practices affect the purity of a lucerne stand. *Proceedings 22nd N.Z. Weed and Pest Control Conference*. 105-110.
329. Logan, I.C., Arnst, R.N. 1973. Lucerne: chemical weed control of the major common weeds. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 60-64.
330. Lonsdale, T.W. 1915. Strengthening a lucerne field. *N.Z. Journal of Agriculture*. 10 (5): 413-414.
331. Lowther, W.L. 1965. Studies on legume — establishment and growth in the tussock grasslands. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
332. Ludecke, T.E. 1962. Trial work on surface introduction of lucerne and cocksfoot in Central Otago. *N.Z. Journal of Agriculture*. 104: 168-175.
333. Ludecke, T.E. 1967. Sulphur nutrition of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 143-149.
334. Lunn, W.A. 1954. Grazing lucerne aids central Otago farmer to increase returns. *N.Z. Journal of Agriculture* 88: 104.
335. Lunn, W.A. 1954. Grazing lucerne in Otago. *N.Z. Journal of Agriculture*. 88: 536.
336. Lunn, W.A. 1955. Use of lucerne for grazing in Manitoto country. *N.Z. Journal of Agriculture*. 90: 605-608.
337. Lyall, A.E. 1948. Inoculation of lucerne seed. *N.Z. Journal of Agriculture*. 76: 465.
338. Lynch, P.B. 1967. Place of lucerne in New Zealand — present and future. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 304-311.
339. MacFarlane, R.P. 1970. A preliminary study of the fauna associated with lucerne (*Medicago sativa*, variety Wairau) in New Zealand. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
340. MacFarlane, R.P.; Pottinger, R.P. 1976. Insects affecting lucerne seed production. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 19-22.
341. MacKinnon, P.A., Robertson, J.G., Scott, D. Hale, C.N. 1977. Legume inoculant usage in New Zealand. *N.Z. Journal of Experimental Agriculture*. 5: 35-39.
342. McConnell, P. 1913. Lucerne haymaking. *N.Z. Journal of Agriculture*. 7 (6): 604-607.
343. McConnell, P. 1914. Lucerne for dairy cattle. *N.Z. Journal of Agriculture*. 8 (6): 576.
344. McCulloch, W.J. 1915. Lucerne or alfalfa. (*Medicago sativa*). *N.Z. Journal of Agriculture*. 10 (6): 512-518.
345. McCulloch, W.J. 1922. Recent lucerne experience at Weraaroa. *N.Z. Journal of Agriculture*. 25: 162-164.
346. McDonald, I.R., Cullen, N.A. 1973. A comparison of white, red, subterranean and alsike clovers and lucerne in three environments. *Invermay Farmers' Conference*. 25-31.
347. McKay, J.G. 1942. Lucerne sowing. *N.Z. Journal of Agriculture*. 65: 360.
348. McLean, J.W. 1967. Lucerne and phyto-oestrogen. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 276-282.
349. McLean, J.W., Thompson, G.G., Lawson, B.M. 1965. Quality of lucerne pasture for lamb production. *Proceedings Lincoln College Farmers' Conference*. 15: 88-92.
350. McLean, J.W., Thompson, G.G., Lawson, B.M. 1967. A study of the nutritive value of lucerne pasture. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 272-275.

351. McLean, J.W., Thompson, G.G., Iverson, C.E., Jagusch, K.T., Lawson, B.M. 1962. Sheep production and health on pure-species pastures. *Proceedings N.Z. Grassland Association*. 24: 57-70.
353. McLeod, C.C. 1957. Lucerne tolerance. *Proceedings 10th N.Z. Weed and Pest Control Conference*. 81-85.
354. McLeod, C.C. 1976. Lucerne on the South Canterbury downlands, management practices. *N.Z. Journal of Agriculture*. 132 (1): 44-45.
355. McLeod, C.C. 1978. Influence of stage of growth at cutting on lucerne production. *N.Z. Journal of Experimental Agriculture*. 6: 285-288.
356. McLeod, C.C., Douglas, J.A. 1976. Autumn overdrilling of lucerne with cereals and annual ryegrasses to improve spring production in south Canterbury and north Otago. *Proceedings N.Z. Grassland Association*. 37: 228-236.
357. McMillan, R. 1973. Lucerne on the pumice lands. *N.Z. Journal of Agriculture*. 127 (4): 71-75.
358. McMillan, R. 1973. Lucerne wanted - by the tonne (pelleting plant at Onga Onga, Hawkes Bay). *N.Z. Journal of Agriculture*. 127 (6): 20-21.
359. McMillan, R. 1974. Lucerne makes irrigation worth while on Northland clay country. *N.Z. Farmer*. 95 (18): 16-19.
360. McMillan, R. 1974. Swedes — a cover crop for lucerne in the pumice country. *N.Z. Farmer*. 95 (12): 22-24.
361. McQueen, I.P.M., Baars, J.A. 1979. Seasonal distribution of dry matter production from pure and overdrilled lucerne and from lucerne-grass mixtures as compared with pasture on pumice country. *Proceedings N.Z. Grassland Association*. 41: 31-41.
362. McSweeney, K.B., Dunbier, M.W. 1978. Blue-green lucerne aphid damage to lucerne seedlings - cultivar differences. *N.Z. Journal of Ecology*. 1: 74-75.
363. Mace, M.J., Sherlock, R.R. 1975. Lambing fattening with lucerne on pumice lands. *N.Z. Journal of Agriculture*. 131 (1): 30-31.
364. Marsh, R., Brunswick, L.F.C. 1977. Beef production from lucerne and lucerne/prairie grass swards on the pumice soils of the Taupo region. *Proceedings N.Z. Grassland Association*. 39: 79-85.
365. Marshall, G.M. 1915. Lucerne varieties in Central Otago. *N.Z. Journal of Agriculture*. 11 (1): 17.
366. Marshall, M.I. 1974. Studies on fusarium species isolated from lucerne (*Medicago sativa* L.). M.Hort.Sc. Thesis, Lincoln College, Canterbury.
367. Matthews, L.J. 1954. Weed control in wheat, barley, potato, and lucerne crops. *N.Z. Journal of Agriculture* 88: 103.
368. Meeklah, F.A. 1959. Lucerne tolerance to dalapon. *Proceedings 12th N.Z. Weed and Pest Control Conference*. 30-38.
369. Meeklah, F.A. 1960. Application of 2, 4-DB to mature lucerne. *Proceedings 13th N.Z. Weed and Pest Control Conference*. 82-89.
370. Meeklah, F.A. 1960. Weed control in lucerne. *N.Z. Journal of Agriculture*. 100: 231-233.
371. Meeklah, F.A. 1961. Poa annua in established lucerne. *N.Z. Journal of Agriculture*. 102: 188.
372. Meeklah, F.A. 1964. Weed problem in lucerne during establishment. *N.Z. Journal of Agriculture*. 108: 331.
373. Meeklah, F.A. 1969. Control of barley grass in lucerne. *Proceedings 22nd Weed and Pest Control Conference*. 92-104.
374. Meeklah, F.A., Allen, F.C. 1971. Weed control in lucerne. *N.Z. Journal of Agriculture*. 122 (1): 26-31.
375. Meeklah, F.A., Atkinson, G.C., Brunswick, L.F.C. 1976. Weed control in lucerne. *Annual Report of Research Division, N.Z. M.A.F.* 1976-77. 127.
376. Meeklah, F.A., McRobb, H. 1973. Effect of isobuturon mixtures, pronamide, terbacil and metribuzan on lucerne. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 65-69.
377. Meeklah, F.A., Mitchell, R.B., McRobb, H. 1972. Cultivation and chemicals for weed control in established lucerne. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 102-105.
378. Mercer, A.D. 1947. Stand of lucerne successfully established on Karaka country. *N.Z. Journal of Agriculture*. 75: 14.
379. Miles, K.B. 1969. Grass weed (ryegrass, poa, yorkshire fog, cocksfoot, and browntop) control in lucerne with carbetamide. *Proceedings 22nd N.Z. Weed and Pest Control Conference*. 118-122.
380. Mitchell, K.J., Dennie, M.P. 19657. Defoliation and root development. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 22-28.
381. Mitchell, R.M., Jagusch, K.T. 1972. Energy balance studies with weaned lambs: 1. Utilisation of metabolisable energy of lucerne by lambs weaned at five weeks of age. *N.Z. Journal of Agricultural Research*. 15: 788-794.
382. Moody, R.W. 1961. Topdressing of lucerne on pumice country. *N.Z. Journal of Agriculture*. 102: 449.
383. Moody, R.W., Hale, C.N. 1974. Hazards to lucerne crops: 1. Minimising the risk. *N.Z. Journal of Agriculture*. 129 (5): 50-51.
384. Moody, R.W., Hale, C.N. 1974. Hazards to lucerne crops. 2. Bacterial wilt disease. *N.Z. Journal of Agriculture*. 129 (5): 53-54.
385. Moore, M.S. 1977. Insecticide screening for blue-green lucerne aphid control. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 165-167.
386. Moore, O.G. 1952. Inoculation of lucerne seed. *N.Z. Journal of Agriculture*. 85: 7
387. Morrison, L.C.L. 1957. New records of eelworm infestations of lucerne and *Agropyron scabrum*. *Annual Review of Canterbury Agricultural College, N.Z.* 62-63.
388. Morton, J.D., Roberts, E. 1978. Effects of soil moisture and white-fringed weevil larvae (*Graphognathus leucoloma* Bol.) on young lucerne (*Medicago sativa* L.) plants. *N.Z. Journal of Agriculture*. 6: 251-255.

389. Musgrave, D.J. 1972. The influence of an early cut on crown development of seedling lucerne. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 89-91.
390. Musgrave, D.J. 1975. Some aspects of inoculation and pelleting of lucerne for oversowing on dry hill country. Unpublished paper presented to the 2nd N.Z. Conference on the Rhizobium-Legume Symbiosis and other Nitrogen Fixation Systems. 4.
391. Musgrave, D.J. 1976. Effect of ground cover and herbicide application on establishment of oversown lucerne. *N.Z. Journal of Experimental Agriculture*. 4: 447-449.
392. Musgrave, D.J. 1977. Effects of time of sowing on the establishment of oversown legumes. *Proceedings N.Z. Grassland Association*. 38: 160-166.
393. Musgrave, D.J. 1977. Oversowing lucerne in North Otago. *Tussock Grasslands and Mountainland Institute Review*. 35: 30-37.
394. Musgrave, D.J. 1980. Establishment and maintenance of grasses and legumes on dry hill country. *Proceedings Lincoln College Farmers' Conference*. 29: 306-325.
395. Musgrave, D.J. 1981. Establishment and productivity of lucerne cultivars and alternative legumes in a semi-arid environment. Manuscript in preparation.
396. Musgrave, D.J., Clare, R.J., Lowther, W.L. 1974. The potential for oversowing lucerne on steepland soils in North and Central Otago. *Proceedings N.Z. Grassland Association*. 36: 89-96.
397. Musgrave, D.J., Langer, R.H.M. 1977. Crown development of two diverse genotypes of lucerne. *N.Z. Journal of Agricultural Research*. 20: 453-458.
398. Musgrave, D.J., Lowther, W.L. 1976. Effect of sowing date, inoculation level, and pelleting on the establishment of oversown lucerne. *N.Z. Journal of Agriculture*. 4: 65-70.
399. Myers, J.G. 1921. Insect pests of lucerne and clover. *N.Z. Journal of Agriculture*. 23 (3): 156-162.
400. Nixon, G.W. 1971. The establishment of lucerne (*Medicago sativa* L.) on Marlborough hill country by oversowing. *Proceedings Agronomy Society of N.Z.* 1: 95-101.
401. O'Connor, B.P., Hart, R.I.K. 1977. Pirimicarb for the control of blue-green lucerne aphid. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 170-172.
402. O'Connor, K.F. 1967. Lucerne: grass associations under different sowing and defoliation systems. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 163-176.
403. O'Connor, K.F. 1967. Sociability of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 47-61.
404. O'Connor, K.F. 1970. Influence of grazing management factors on herbage and animal production from lucerne pastures. *Proceedings N.Z. Grassland Association*. 32: 108-116.
405. O'Connor, K.F., Vartha, E.W. 1968. Factors affecting weed incidence in lucerne. *Proceedings 21st N.Z. Weed and Pest Control Conference*. 54-59.
406. O'Connor, K.F., Vartha, E.W., Belcher, R.A., Coulter, J.D. 1968. Seasonal and annual variation in pasture production Canterbury and North Otago. *Proceedings N.Z. Grassland Association*. 29: 51-63.
407. Othman, W.M. 1972. Simulated grazing of lucerne. M.A.Sc. Thesis, Lincoln College, Canterbury.
408. Palmer-Jones, T. 1967. Pollination of lucerne still a problem. *N.Z. Journal of Agriculture*. 114 (3): 82-83.
409. Palmer-Jones, T. 1968. Lucerne pollination in New Zealand. *N.Z. Agricultural Journal of Science*. 3: 19-21.
410. Palmer-Jones, T; Forster, I.W. 1958. Effect on honey bees of D.D.T. applied from the air as a spray to lucerne; notes on lucerne pollination. *N.Z. Journal of Agricultural Research*. 1 (6): 27-32.
411. Palmer-Jones, T., Forster, I.W. 1965. Observations on the pollination of lucerne. *N.Z. Journal of Agricultural Research*. 8: 340-349.
412. Palmer-Jones, T., Forster, I.W. 1972. Measures to increase the pollination of lucerne. (*Medicago sativa* L.) *N.Z. Journal of Agricultural Research*. 15: 186-193.
413. Palmer, T.P. 1958. In search of a plant — choice of lucerne to suit local conditions. *N.Z. Young Farmer*. 10 (4): 119.
414. Palmer, T.P. 1959. Winter growth of lucerne. (*Medicago sativa*). I Variety performance in New Zealand. *N.Z. Journal of Agricultural Research*. 2: 1195-1202.
415. Palmer, T.P. 1960. Winter growth of lucerne (*Medicago sativa*) II. Genetic variation in a population of Hunter River lucerne. *N.Z. Journal of Agricultural Research*. 3 (4): 641-646.
416. Palmer, T.P. 1961. Winter growth of lucerne (*Medicago sativa*). III. Variety production at Lincoln, Canterbury, *N.Z. Journal of Agricultural Research*. 4: 651-659.
417. Palmer, T.P. 1962. Lucerne varieties. *Proceedings N.Z. Grassland Conference*. 24: 116-120.
418. Palmer, T.P. 1966. Lucerne seed production in New Zealand. *N.Z. Journal of Agricultural Science*. 1: 21-24.
419. Palmer, T.P. 1967. Lucerne breeding in New Zealand In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 85-93.
420. Palmer, T.P. 1968. Weed control in lucerne establishment. *Proceedings 21st N.Z. Weed and Pest Control Conference*. 49-53.
421. Palmer, T.P. 1971. Plant density and herbage production in lucerne. *Proceedings Agronomy Society of N.Z.* 1: 77-85.
422. Palmer, T.P. 1976. Annual weeds in established lucerne. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 5-8.

423. Palmer, T.P. 1977. Aphids on lucerne sown with insecticides and cover crops. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 173-176.
424. Palmer, T.P. 1979. Lucerne: through the seventies and into the eighties. *Farm Outlook*. 4 (7): 2.
425. Palmer, T.P. 1979. Multiplication of new lucerne cultivars. *Australasian Plant Breeding and Genetics Newsletter*. 29: 61-62.
426. Palmer, T.P., Donovan, B.J. 1980. Seed production of new cultivars of lucerne. In "Herbage Seed Production". Grassland Research and Practice Series No. 1. N.Z. Grassland Association. 87-91.
427. Palmer, T.P., Dunbier, M.W., Janson, C.G., Woodhead, M. 1975. Lucerne cultivars in New Zealand. *Proceedings Agronomy Society of N.Z.* 5: 33-36.
428. Palmer, T.P., Whitelaw, J.S., Janson, C.G. 1974. Saranac — wilt resistant lucerne. *N.Z. Journal of Agriculture*. 129 (4): 47.
429. Palmer, T.P., Wynn-Williams, R.B. 1972. The establishment of lucerne with cover crops. *Proceedings Agronomy Society of N.Z.* 2: 95-110.
430. Palmer, T.P., Wynn-Williams, R.B. 1976. Relationships between density and yield of lucerne. *N.Z. Journal of Experimental Agriculture*. 4: 71-77.
431. Parle, J.N. 1962. Establishments of lucerne in pumice soils. *Proceedings N.Z. Grassland Association*. 24: 133-138.
432. Parle, J.N. 1965. Some aspects of the nodulation problem occurring in the Wither hills. *Proceedings N.Z. Grassland Association*. 26: 123-126.
433. Parle, J.N. 1967. Rhizobia and inoculation of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 99-103.
434. Parle, J.N., Douglas, J.A., Bailie, T.S. 1973. The survival on seed of *Rhizobium meliloti* from commercial inoculants. *Proceedings N.Z. Grassland Association*. 34: 253-258.
435. Paterson, J.S. 1966. Dryland lucerne farming. *Proceedings N.Z. Grassland Association*. 28: 134-139.
436. Penman, D.R., Rohitha, B.H., White, J.G.H., Smallfield, G.M. 1979. Control of blue-green aphid by grazing management. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 186-191.
437. Percival, J.C. 1952. Ruakura trials show lucerne only equal to silage for summer milk with turnips better than silage. *N.Z. Dairy Exporter*. 27 (12): 40-41.
438. Percival, N.S. 1972. A study of seed borne aspects of the spring blackstem disease of lucerne. M.Ag.Sc. Thesis, Massey University, Palmerston North.
439. Percival, N.S. 1975. An investigation into techniques of screening lucerne seed for *Phoma medicaginis* Marlr. et Roum. *N.Z. Journal of Agricultural Research*. 18: 91-94.
440. Percival, N.S. 1978. Potential of lucerne in the Northland. *N.Z. Journal of Agriculture*. 136 (4): 6-10.
441. Percival, N.S., Wenham, H.T. 1972. The spring blackstem disease of lucerne. *Proceedings 25th N.Z. Weed and Pest Control Conference*. 110-115.
442. Plummer, C.R. 1969. Dryland lucerne for grazing. *Tussock Grassland and Mountainland Institute Review*. 17: 44-49.
443. Plummer, C.R. 1969. Lucerne and dry land development (in Central Otago). *N.Z. Journal of Agriculture*. 118 (6): 64-67.
444. Pottinger, R.P., MacFarlane, R.P. 1967. Insect pests and nematodes of lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 229-248.
446. Purves, R.G., Hood, N.D., Dunbier, M.W. 1981. The effect of cutting management and fungicide application on coumestan levels in three lucerne cultivars. *Proceedings 34th Weed and Pest Control Conference*. 25-28.
447. Quazi, H.M. 1975. Effect of cultivar and season on the concentration of saponins in lucerne. (*Medicago sativa* L.) *N.Z. Journal of Agricultural Research*. 18: 227-232.
448. Quazi, H.M. 1976. Distribution of saponins in roots of lucerne. (*Medicago sativa* L.). *N.Z. Journal of Agricultural Research*. 19: 347-348.
449. Rae, S.J. 1975. Control of lucerne stem nematodes with CGA 12223. *Proceedings 28th Weed and Pest Control Conference*. 221-223.
450. Rae, S.J., Patterson, T.M. 1973. Weed control in established lucerne with isobuturon. *Proceedings 26th N.Z. Weed and Pest Control Conference*. 70-73.
451. Rattray, P.V., Morrison, M.C.L., Farquhar, P.A. 1976. Performance of early weaned lambs on lucerne and pasture. *Proceedings N.Z. Society of Animal Production*. 36: 179-183.
452. Reid, W.D. 1923. Lucerne-growing in Vincent Country (Central Otago). *N.Z. Journal of Agriculture*. 26 (4): 218-227.
453. Reith, A.R. 1972. Contract-grown lucerne as an alternative to sheep. *Proceedings Lincoln College Farmers' Conference*. 22: 92-95.
454. Rennie, N. 1974. Managing lucerne for grazing in Canterbury. *N.Z. Farmer*. 95 (6): 12-15.
455. Rennie, N. 1975. Lucerne drying round the clock. *N.Z. Farmer*. 96 (1): 45-47.
456. Rennie, N. 1978. New lucerne cultivars not so easy to get. *N.Z. Farmer*. 99 (19): 8-9.
457. Reynolds, D.G. 1969. Lucerne establishment. *N.Z. Journal of Agriculture*. 12 (6): 87-97.
458. Reynolds, D.G. 1969. Lucerne establishment. *Tussock Grassland and Mountainland Institute Review*. 16: 16-18.
459. Reynolds, D.G. 1969. Skim milk speeds lucerne establishment. *N.Z. Journal of Agriculture*. 119 (6): 87-89.
460. Richardson, C.A. 1977. Population dynamics of blue-green lucerne aphid in the lower North Island. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 149-151.

461. Rickard, D.S. 1960. Occurrence of agricultural drought in Ashburton, New Zealand. N.Z. *Journal of Agricultural Research*. 3: 431.
462. Ritche, I.J. 1978. Lucerne under irrigation on Canterbury and Otago soils. N.Z. M.A.F. *Aglink FPP* 85.
463. Robertson, R.M. 1955. Lucerne in the farm programme. *Proceedings Lincoln College Farmers' Conference*. 5: 72-75.
464. Robinson, G.S., Abbott, J.M. 1971. Lucerne management in a humid temperate climate. *Proceedings N.Z. Grassland Conference*. 33: 125-133.
465. Rogers, V.E. 1967. Adaptability of lucerne to soil and climate. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 36-56.
466. Rohitha, B.H. 1979. Some aspects of the biology, damage, population dynamics and flight of *Acyrtosiphon kondoi* Shinji (Hemipter: Aphididae) in Canterbury. Ph.D. Thesis, Lincoln College, Canterbury.
467. Rohitha, B.H.; Penman, D.R. 1981. Effect of temperature on the biology of blue-green lucerne aphid (*Acyrtosiphon kondoi*) Shinji. *Journal of Applied Ecology*. (In press).
468. Rolls, L. 1965. Lucerne produces most feed under lenient grazing. *N.Z. Farmer*. 85 (24): 14.
469. Rumball, P.J. 1977. Pasture plant water table interactions on Manawatu sand country. *Proceedings N.Z. Grassland Association*. 39: 53-60.
470. Sanderson, F.R. 1976. Lucerne diseases in New Zealand as recognised in the national lucerne survey 1975-1976. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 38-41.
471. Sanderson, F.R.; Harvey, I.C. 1978. The New Zealand National Lucerne Survey 1975-1976. In "Epidemiology and Crop Loss Assessment". Proceedings Australian Plant Pathology Society Workshop, Lincoln College, Canterbury. August 1977. 35. 1-35. 6.
472. Scales, G.H., Barry, T.N. 1975. Winter performance of beef weaners fed untreated and formaldehyde-treated wilted lucerne silages and hay. *Proceedings N.Z. Society Animal Production*. 35: 160-166.
473. Scales, G.H., Moss, R.A. 1976. Mating ewes on lucerne. *N.Z. Journal of Agriculture*. 132 (2): 21-22.
474. Scales, G.H., Moss, R.A., Kelly, R.W. 1977. Reproductive performance of ewes mated on lucerne. *Proceedings N.Z. Society of Animal Production*. 37: 152-157.
475. Schultz, F., Turner, M.A., Cooke, J.G. 1979. Effects of fertiliser potassium: sodium ratio on yield and concentration of sodium potassium, and magnesium in lucerne and white clover. *N.Z. Journal of Agricultural Research*. 22: 303-308.
476. Scott, D. 1975. Effects of seed coating on establishment. *N.Z. Journal of Agricultural Research*. 18: 59-67.
477. Scott, D., Archie, W.J. 1978. Sulphur, phosphate and molybdenum coating on legume seed. *N.Z. Journal of Agricultural Research*. 21: 643-650.
478. Scott, D., Stringer, G.C., O'Connor, K.F., Clifford, P.T.P. 1974. Growth of legume varieties on a yellow-brown high country soil. *N.Z. Journal of Experimental Agriculture*. 2: 251-259.
479. Scott, R.S. 1960. Lucerne variety trial at Invermay. *N.Z. Journal of Agriculture*. 100: 143-144.
480. Sellwood, T.A. 1943. Lucerne crop in North Otago. *N.Z. Journal of Agriculture*. 67: 441-443.
481. Sewell, T.G. 1960. Weed control in lucerne. *Proceedings 13th N.Z. Weed and Pest Control Conference*. 90-94.
482. Sharpe, C.J., MacDiarmid, B.N. 1976. Control of brassica aphid and blue-green lucerne aphid with chloryrifos. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 189-192.
483. Sherrell, C.C., Toxopeus, M.R.J. 1978. Effects of boron applications on yield and boron concentration of lucerne (*Medicago sativa* L.) grown on yellow-brown pumice soils. *N.Z. Journal of Experimental Agriculture*. 6: 145-150.
484. Shillito, N.L. 1980. Opening Address. In "Herbage seed production". Grassland Research And Practice Series. No. 1. N.Z. Grassland Association. 1-3.
485. Sims, R.E.H. 1975. Lucerne establishment: precision versus conventional sowing methods. *Proceedings N.Z. Grassland Association*. 36: 163-171.
486. Sinclair, A.G., McDonald, I.R., Hannagan, R.B. 1977. Uptake of nitrogen by pasture legumes and associated ryegrass at three sites in Otago. *N.Z. Journal of Experimental Agriculture*. 5: 201-209.
487. Smallfield, B.M., White, J.G.H., Penman, D.R. 1980. Effect of cool season grazing on lucerne production and aphid populations. *Proceedings N.Z. Grassland Association*. 41: 42-49.
488. Smith, E.G. 1941. Management of lucerne is important. *N.Z. Journal of Agriculture*. 63: 102-103.
489. Smith, E.G. 1954. Cocksfoot-lucerne pastures for light lands. *N.Z. Journal of Agriculture*. 89: 266.
490. Smith, G.S., Thom, E.R. 1980. Effect of stage of growth and season on the major element composition of the aerial parts of lucerne. *Proceedings Agronomy Society of N.Z.* 10: 23-27.
491. Smith, H.C. 1955. New Zealand notes. *Commonwealth Phytopathological News*. 1: 10-11.
492. Smith, H.C. 1965. The morphology of *Verticillium albo-atrum*, *V. dahliae* and *V. tricorpus*. *N.Z. Journal of Agricultural Research*. 8: 450-478.
493. Smith, J.F., Jagusch, K.T., Brunswick, L.F.C., McGowan, L.T. 1980. The effect of lucerne feeding on ovulation rates in ewes. *Proceedings N.Z. Society of Animal Production*. 40: 44-49.
494. Smith, J.F., Jagusch, K.T., Brunswick, L.F.C., Kelly, R.W. 1979. Coumestans in lucerne and ovulation in ewes. *N.Z. Journal of Agricultural Research*. 22: 411-416.

495. Smith, J.M. 1924. The lucerne seed crop. *N.Z. Journal of Agriculture*. 28: 176-178.
496. Smith, R.G., Stiefel, W. 1978. Pasture and lucerne research on sand country. *Proceedings N.Z. Grassland Association*. 39: 61-69.
497. Somerfield, K.G., Burnett, P.A. 1976. Lucerne insect survey. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 14-18.
498. Spite, F.G. 1951. Lucerne hay for wintering sheep in Canterbury. *N.Z. Journal of Agriculture*. 82: 433-434.
499. Stark, A.H. 1975. Bee's role in improving lucerne pollination. *N.Z. Journal of Agriculture*. 131 (1): 27-29.
500. Steinke, T.D. 1963. A study of growth in lucerne in response to defoliation. Ph.D. Thesis Lincoln College, Canterbury.
501. Stephen, R.C. 1964. Grass weeds in lucerne. *N.Z. Journal of Agriculture*. 108: 433-441.
502. Stephen, R.C. 1970. Responses by lucerne and associated volunteer species to applied fertilisers in North Canterbury. *Proceedings N.Z. Grassland Association*. 32: 117-126.
503. Stephen, R.C., Saville, D.J., Harvey, I.C., Hedley, J. 1981. Herbage yields and persistance of lucerne (*Medicago sativa L.*) cultivars and associated species and the incidence of some lucerne crown and root diseases. *N.Z. Journal of Experimental Agriculture*. (In press).
504. Stewart, J.D. 1963. The comparative profitability and productivity of a sample of irrigated and non-irrigated farms in the Ashburton — Lyndhurst area of mid Canterbury, New Zealand. *Lincoln College Publication No. 1*.
505. Stewart, J.D. 1967. Lucerne in the farm programme. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 293-297.
506. Stewart, J.D. 1970. The intensive use of light land. *Proceedings N.Z. Grassland Association*. 32: 198-205.
507. Stewart, J.D., Taylor, N.W. 1965. Management considerations in farming lucerne on low-rainfall light land. *Proceedings Lincoln College Farmers' Conference*. 93-99.
508. Stewart, J.D., Taylor, N.W. 1965. Problems of farming large areas of lucerne on light land. *N.Z. Journal of Agriculture*. 111 (3): 55-57.
509. Syrett, P., Penman, D.R. 1980. Comparative toxicity of insecticides to lucerne aphids and their predators. *Proceedings 33rd N.Z. Weed and Pest Control Conference*. 52-54.
510. Taylor, A.O., Hughes, K.A., Haslemore, R.M., Holland, R. 1977. Influence of maturity and frequency of harvest on the nutritive quality of cool season annual legumes. *Proceedings Agronomy Society of N.Z.* 7: 45-49.
511. Taylor, C.R. 1944. Lucerne growing in the Rotorua district. *N.Z. Journal of Agriculture*. 68: 27.
512. Taylor, C.R. 1953. Oversowing lucerne with short-rotation ryegrass. *N.Z. Journal of Agriculture*. 87: 425-426.
513. Taylor, R. 1969. The effects of weed control with paraquat on the yield of lucerne. *Proceedings 22nd N.Z. Weed and Pest Control Conference*. 88-89.
514. Taylor, R. 1969. Benefin: pre-emergence weed control (mainly fathen) in lucerne. *Proceedings 22nd N.Z. Weed and Pest Control Conference*. 111-113.
515. Tearle, M. 1965. Lucerne hay barn. *N.Z. Farmer*. 86 (21): 4-5.
516. Teh, P.B. 1979. Studies on alfalfa mosaic virus and subterranean clover red leaf virus. Ph.D. Thesis, Lincoln College, Canterbury.
517. Thom, E.R. 1978. Effect of stage of growth and season on yield of lucerne (*Medicago sativa L.*) and on *in vitro* digestibility on the whole plant and its component parts. *Proceedings Agronomy Society of N.Z.* 8: 43-46.
518. Thom, E.R., Smith, G.S. 1980. Effect of stage of growth on the major element composition of the aerial parts of lucerne. *Proceedings Agronomy Society of N.Z.* 10: 23-26.
519. Thomas, R.G. 1967. Flowering and reproductive development in lucerne. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 159-204.
520. Thomas, W.P. 1977. Biological control of blue-green lucerne aphid, the Canterbury situation. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 182-187.
521. Thomason, J.R. 1958. Establishing a stand of lucerne. *Town Milk*. 6 (2): 25-27.
522. Thompson, W.J. 1967. A study of foliar leaching of lucerne. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
523. Thomson, N.A. 1977. Factors affecting animal production intake and utilisation by ewes grazing grass/clover and lucerne pastures. *Proceedings N.Z. Grassland Association*. 39: 86-97.
524. Thomson, N.A., Jagusch, K.T. 1976. Effect of lambing date on the utilisation of grass/clover and lucerne pastures during mating. *Proceedings N.Z. Society of Animal Production*. 36: 184-189.
525. Thomson, N.A., Lagan, J.F. 1981. Utilisation of lucerne and grass-clover pastures for dairying in South Taranaki. *Proceedings N.Z. Society of Animal Production* (In press).
526. Tocker, H.H. 1970. Lucerne — as a cash crop in Canterbury. *N.Z. Journal of Agriculture*. 120 (5): 65.
527. Todd, P.H. 1969. Results of laboratory screening tests with insecticides for control of white-fringed larvae and adults. *Proceedings 32nd Weed and Pest Control Conference*. 301-306.
528. Tonkin, R. 1960. Lucerne for concentrate yields 42 pounds an acre. *N.Z. Farmer*. 81 (5): 9.
529. Tonkin, R. 1964. Pre-soaking gives lucerne good start on MacKenzie Country. *N.Z. Farmer* 83 (9): 8-9.

530. Topp, E.C. 1955. Lucerne in the farm programme. *Proceedings Lincoln College Farmers' Conference*. 5: 66.
531. Topp, E.C. 1965. Lucerne in practise. *Proceedings Lincoln College Farmers' Conference*. 100-104.
532. Townsend, R.J., Pottinger, R.P., Rowe, S.J. 1979. Evaluation of alternative insecticides for lucerne flea on pasture. *Proceedings 32nd N.Z. Weed and Pest Control Conference*. 68-71.
533. Toxopeus, M.R.J. 1971. Advances in pumice land development. *Proceedings N.Z. Grassland Association*. 33: 60-67.
534. Toxopeus, M.R.J., McNaught, K.J. 1973. Magnesium deficiency in lucerne. *Proceedings N.Z. Grassland Association*. 34: 236-241.
535. Trought, T.E.T., Kain, W.M. 1977. Two new pests of lucerne. *Proceedings Lincoln College Farmers' Conference*. 27: 117-126.
536. Trought, T.E.T., Stringer, G.F. 1976. Chemical control of sitona weevil on lucerne. *Proceedings 29th Weed and Pest Control Conference*. 28-30.
537. Turner, J.W., Franzmann, B.A. 1979. Development of management programmes for lucerne aphids (Hemiptera: Aphididae). In "Proceedings 2nd Australasian Conference on Grassland Invertebrate Ecology", Eds. T.K. Crosby, R.P. Pottinger, Government Printer, Wellington. 191-192.
538. Ulyatt, M.J., Lancashire, J.A., Jones, W.T. 1976. The nutritive value of legumes. *Proceedings N.Z. Grassland Association*. 38: 107-118.
539. Vartha, E.W. 1967. Lucerne overdrilled with grasses for grazing. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 177-185.
540. Vartha, E.W. 1971. Overdrilled winter-growing annual grass to supplement lucerne. *Proceedings N.Z. Grassland Conference* 33: 115-123.
541. Vartha, E.W. 1973. Performance of lucerne-grass mixtures on Wakanui silt loam. *N.Z. Journal of Experimental Agriculture*. 1: 29-34.
542. Vartha, E.W. 1976. Management of lucerne over-drilled with "Grasslands Tama". Westerwolds ryegrass on irrigated Wakanui silt loam. *N.Z. Journal of Experimental Agriculture*. 4: 317-320.
543. Vartha, E.W., Allison, R.M. 1973. Effect of nitrogen fertiliser on nitrogen yield from lucerne under cutting and grazing managements. *N.Z. Journal of Experimental Agriculture*. 1: 365-368.
544. Vartha, E.W., Fletcher, L.R., Allison, R.M. 1973. Protein-extracted herbage for sheep-feeding. *N.Z. Journal of Experimental Agriculture*. 1: 171-174.
545. Vartha, E.W., Fraser, T.J. 1978. Lucerne - Tama ryegrass systems for fat lamb production. *N.Z. Journal of Experimental Agriculture*. 6: 195-200.
546. Vartha, E.W., O'Connor, K.F. 1968. Prospects for high production from Canterbury Plains pasture. *Proceedings N.Z. Society of Animal Production*. 28: 65-73.
547. Vine, R. 1952. Surprising results of experiments with lucerne. *N.Z. Farmer*. 72 (7): 9-10.
548. Walker, G.P., Cameron, P.J. 1981. Life history and biology of *Dendrocerus spp.* (Hymenoptera: Ceraphronidae) a hyperparasite on lucerne aphids. *Acyrtosiphon spp.* *N.Z. Journal of Zoology* (In Press).
549. Wall, T.J. 1977. Block grazing of lucerne. *N.Z. Journal of Agricultural Science*. 11 (1): 45-46.
550. Walsh, J.M. 1955. Lucerne in the farm programme. *Proceedings Lincoln Farmers' Conference*. 5: 63-66.
551. Wan Mohd Othman. 1974. Simulated grazing of lucerne. M.A.Sc. Thesis, Lincoln College, Canterbury.
552. Ward, F.E. 1922. Some recent lucerne experience in Canterbury. *N.Z. Journal of Agriculture*. 24 (4): 226-229.
553. Warren, I.F. 1975. Lucerne on the South Canterbury downlands. 1. The Adair demonstration unit. *N.Z. Journal of Agriculture*. 131 (6): 21-25.
554. Watkin, B.R. 1974. The performance of pasture species in Canterbury. *Proceedings N.Z. Grassland Association*. 180-190.
555. Wells, N., Whitton, J.S. 1976. Influence of dried sewage sludge on yield and element of composition of lucerne. *N.Z. Journal of Agricultural Research*. 19: 331-341.
556. White, J.G.H. 1960. Establishment of lucerne. *Canterbury Agricultural Bulletin*. 374.
557. White, J.G.H. 1965. Problems in establishment of lucerne. *Proceedings Lincoln College Farmers' Conference*. 84-87.
558. White, J.G.H. 1966. Introduction of lucerne into acid soils. *Proceedings N.Z. Grassland Association*. 28: 105-113.
559. White, J.G.H. 1967. Establishment of lucerne on acid soils. In "The Lucerne Crop". Ed. R.H.M. Langer. Reed, Wellington. 106-111.
560. White, J.G.H. 1967. Lucerne authorities hold rewarding exchange of ideas. *N.Z. Journal of Agriculture*. 114 (6): 66-69.
561. White, J.G.H. 1968. Establishment of lucerne. *Canterbury Agricultural Bulletin*. 466.
562. White, J.G.H. 1970. Establishment of lucerne (*Medicago sativa*) in uncultivated country by sod-seeding and over-sowing. *Proceedings 11th International Grassland Congress*. 134-138.
563. White, J.G.H. 1970. Establishment of lucerne by sod-seeding and over-sowing in tussock country. *Tussock Grassland and Mountainland Institute Review*. 20: 33-41.
564. White, J.G.H. 1973. Improvement of hill country pasture. In "Pastures and Pasture Plants". Ed. R.H.M. Langer. Reed, Wellington. 259-260.
565. White, J.G.H., Meijer, G. 1979. Legumes and grasses for dry North Canterbury hill country. *Proceedings N.Z. Grassland Association*. 40: 170-179.

566. White, J.G.H., Meijer, G., Douglas, J.A. 1975. College Glutinosa lucerne. *Proceedings N.Z. Grassland Association*. 36: 172-179.
567. Whitelaw, J.S. 1974. Growing lucerne for dehydration. *Proceedings N.Z. Grassland Conference*. 36: 80-88.
568. Wightman, J.A. 1980. *Sitona humeralis* in the South Island of New Zealand (Coleoptera: Curculionidae). In "Proceedings 2nd Australasian Conference in Grassland Invertebrate Ecology". Eds. T.K. Crosby, R.P. Pottinger, Government Printer, Wellington. 138-141.
569. Wijayawardena, D. 1975. Studies on some aspects of the symbiotic relationship between lucerne (*Medicago sativa* L.) and *Rhizobium meliloti* D. Ph. D. Thesis, Lincoln College, Canterbury.
570. Wilkie, D.R. 1941. Value of lucerne. *N.Z. Journal of Agriculture*. 63: 97-98.
571. Wilson, B. 1972. Lucerne export prospects suggest caution. *N.Z. Farmer*. 93 (3): 11-13.
572. Wilson, B. 1973. Lucerne on hill country. *N.Z. Farmer*. 94 (1): 14-15.
573. Wilson, B. 1974. Co-op lucerne drier adds local stock meal sales to export trade. *N.Z. Farmer* 95 (6): 47-48.
574. Wood, F.H. 1972. Biology, incidence and general control of the lucerne stem nematode. *Proceedings 25th N.Z. Weed and pest Control Conference*. 115-121.
575. Wood, F.H., Close, R.C. 1974. Dissemination of lucerne stem nematode in New Zealand. *N.Z. Journal of Experimental Agriculture*. 2: 79-82.
576. Wood, J. 1980. Notes on the sitona weevil *Sitona humeralis* (Coleoptera: Curculionidae) a pest of lucerne in Canterbury. *N.Z. Entomologist*. 7: 169-171.
577. Woodford, K.B. 1974. A modelling study of lucerne grazing systems on Canterbury light land. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
578. Wynn-Williams, R.B. 1975. Establishment and yield of lucerne and the influence of cover crops, weeds, irrigation and lucerne seedling rate. M.Ag.Sc. Thesis, Lincoln College, Canterbury.
579. Wynn-Williams, R.B. 1976. Costs of lucerne establishment. *N.Z. Journal of Agriculture*. 133 (5): 15-18.
580. Wynn-Williams, R.B. 1976. Effect of sowing date on lucerne emergence, survival, nodulation, and early growth. *N.Z. Journal of Experimental Agriculture*. 4: 439-445.
581. Wynn-Williams, R.B. 1975. Lucerne establishment. 1. Influence of lucerne on a cover crop. *N.Z. Journal of Experimental Agriculture*. 3: 325-331.
582. Wynn-Williams, R.B. 1976. Lucerne establishment. II. Cover crops and lucerne establishment. *N.Z. Journal of Experimental Agriculture*. 4: 171-175.
583. Wynn-Williams, R.B. 1976. Lucerne establishment. III. Cover crops and lucerne production. *N.Z. Journal of Experimental Agriculture*. 4: 337-341.
584. Wynn-Williams, R.B. 1976. Autumn-winter management of lucerne. *Crop Research News*. 17: 20-21.
585. Wynn-Williams, R.B., Burnett, P.A. 1977. Effect of blue-green lucerne aphid on seedling lucerne in a glasshouse. *Proceedings 30th N.Z. Weed and Pest Control Conference*. 152-154.
586. Wynn-Williams, R.B., Dunbier, M.W. 1979. *Acyrthosiphon kondoi* (BAA) and *Acyrthosiphon pisum* (PA) in New Zealand: a review of the problem and progress in research. *Report of 26th Alfalfa Improvement Conference, Brookings, South Dakota*. 13.
587. Wynn-Williams, R.B., Palmer, T.P. 1974. Seeding rates, row spacing and lucerne (cv. Saranac) seed production. *Proceedings Agronomy Society of N.Z.* 4: 63-65.
588. Wynn-Williams, R.B., Palmer, T.P. 1976. Lucerne establishment and weed control. *Proceedings 29th N.Z. Weed and Pest Control Conference*. 2-4.
589. Yeates, G.W., Healy, W.B., Widdowson, J.P. 1973. Screening of the legume varieties for resistance to the root nematodes *Heterodera trifolii* and *Meloidogyne hapla*. *N.Z. Journal of Agricultural Research*. 16: 81-86.