

DRY MATTER CONTENT AND PRODUCTION OF CLOSE-SPACED *PINUS* *RADIATA*

Madgwick, H.A.I.; Oliver, G.R.
New Zealand Journal of Forestry Science
15(2): 135-41 (1985)

Weight and production of above-ground components were estimated between ages five and 13 years. Initial stocking was 6900 stems/ha. Maximum mean annual increment was 21 tonnes/ha/annum and current production 36 t/ha/annum. From age eight, allocation of increment shifted to stemwood production at the expense of crown and stem bark.

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DRY MATTER, ENERGY, AND NUTRIENT CONTENTS OF EIGHT-YEAR-OLD STANDS OF *EUCALYPTUS* *REGNANS*, *ACACIA* *DEALBATA*, AND *PINUS* *RADIATA* IN NEW ZEALAND

Frederick, D.J.; Madgwick, H.A.I.;
Jurgensen, M.F.; Oliver, G.R.
New Zealand Journal of Forestry Science
15(2): 142-57 (1985)

Acacia and eucalypts growing on a productive site contained about 70% more dry matter than an adjacent pine stand. The most striking difference among stands was their nitrogen economy. Compared with the pine ecosystem, the eucalypt and acacia ecosystems had accumulated about 80 and 280 kg N/ha/annum.

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DRY MATTER CONTENT AND NUTRIENT DISTRIBUTION IN AN AGE SERIES OF *EUCALYPTUS* *REGNANS* PLANTATIONS IN NEW ZEALAND

Frederick, D.J.; Madgwick, H.A.I.;
Jurgensen, M.F.; Oliver, G.R.
New Zealand Journal of Forestry Science
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Dry matter and nutrient content were determined for the above-ground vegetation, forest floor, litterfall, and mineral soil in plantations ranging from four to 17 years old. Mean annual increment of trees ranged from 17 to 32 tonnes/ha/annum.

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INSTITUTE NEWS

A REPORT FROM OTAGO/ SOUTHLAND SECTION



A warm and sunny day in October saw a group of some 20 or so members/family/friends leave from Pearl Harbour, Lake Manapouri, a few by foot, but most by boat, heading for a day's field trip to Hope Arm. The trip had two objectives:

- to locate and view the supposed finest Kahikatea (White Pine) stands in New Zealand.
- to climb The Monument for panoramic views of Lake Manapouri and surrounding areas.

After a 40 minute boat trip and a brew, the group set off on a 30 minute walk up the Gernock Burn to view the stands of Kahikatea. The stands are claimed to be the densest and best of Kahikatea in New Zealand today. However, although a few fine specimens were viewed, heavily stocked areas were difficult to find! While most walked back to Hope Arm, Dennys Guild continued to put the pressure on the trip organizer to locate the supposed stands. After some anxious moments, the stands were finally located and all agreed that they

must rate as most possibly the finest stand of Kahikatea in New Zealand.

Barbecue lunch was had on the shores of the lake and a few good stories exchanged. Once the food and liquid had settled the party then climbed The Monument. A climb of some 1000 feet saw the group on a rocky summit which offered a superb view of the lake and surrounds. All of the party then returned by boats to Pearl Harbour, the return being well timed as the weather was deteriorating and the lake getting rough.

All in all, an excellent day was had by all and thanks must go to Lou Sanson for the organization, and John van Tunzelman for the boat support and his time.

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On Monday night, November 10, Paul Mahoney, a historian with the NZ Forest Service, gave a very enjoyable and enlightening talk at Tuatapere on the early logging history of the Nelson/West Coast/Southland areas. About 50 people were present and our thanks to Paul for providing a very good evening's entertainment.

