

- (6) *Weed Control and Horticultural Chemicals*—As prescribed for Weed Control and Horticultural Chemicals in Schedule 1, clause 9 (6).
- (7) *Soil Management*—As prescribed for Soil Management in Schedule 1, clause 9 (7).
- (8) *Nursery Production I*—Areas of nursery production in New Zealand relationship to locality and potential markets. The structure of the nursery industry in New Zealand. Nursery layout (including buildings, roading, and shelter). Nursery production practices—open ground production, container production and plant house plant production. Propagation management and planning. The selection, collection and preparation of propagating materials. Micropropagation. Marketing—marketing channels, packing, presentation, transport, storage, promotion. Retail selling. Exporting. Recording and budgeting (elementary knowledge only).
A DETAILED KNOWLEDGE OF THE PRODUCTION, HARVESTING AND MARKETING OF ANY PARTICULAR NURSERY CROPS IS NOT REQUIRED.
- (9) *Work Record Report*—As prescribed for Work Record Report in Schedule 1, clause 9 (9).
- (10) *Horticultural Plant Science*—As prescribed for Horticultural Plant Science in Schedule 1, clause 9 (15).
- (11) *Plant Protection (Nursery Production)*—The control of common pests of nursery crops including a knowledge of ecology, life histories and host-parasite relationships. Pest Management. The design of spray schedules for nurseries. The correction of common physiological disorders of nursery crops.
- (12) *Nursery Production II*—The commercial production, harvesting, marketing and utilisation of major nursery crops grown in New Zealand.
- (13) *Machinery and Structures (Nursery Production)*—The types, selection, use and maintenance of tractors, machinery, implements and equipment used on nurseries. The types, layout, construction and maintenance of nursery propagating, grading, packing and storage buildings, fences and artificial shelters. Concrete making and brick laying (a working knowledge only). Elementary surveying.
- (14) *Oral and Practical I (Nursery Production) (a day—two 3-hour examinations)*—The candidate will be questioned about operations carried out on a nursery, and may be asked to demonstrate techniques used. The care and use of tools, machines, implements and equipment (including those motor driven) used on nurseries. Common nursery operations, for example, cultivation; planting; propagating, plant training and pruning, (including shelter); mowing; applying fertilisers; nursery spraying; weed spraying; harvesting; grading; packing. Nursery building layout, construction and maintenance. The identification and control of common pest damage and physiological disorders of nursery plants. Plant identification—botanical and common names, family, origin, methods of propagation. Identification and control of common weeds.
- (15) *Nursery Crop Botany*—Factors affecting yield and their interaction. The physiological basis of production practices such as the application of growth substances, nutrition, and pruning. Practical aspects of genetics and plant breeding as they relate to nursery crops.
- (16) *Nursery Production III*—The commercial production, harvesting, marketing and utilisation of established and new nursery crops. Landscape design and construction. Turf production. Retail sales outlet management practices other than business Management.
- (17) *Engineering (Nursery Production)*—Drainage and irrigation—legal requirements, suitable methods and equipment for nursery use, planning and design requirements, installation procedures, water supplies, pumps. The construction of roads and pathways. Building design and building materials. The design of nursery buildings, artificial shelter and fences. The design of frost protection equipment. Basic welding techniques.
- (18) *Management (Nursery Production)*—The use of management procedures in nurseries—including management objectives, information sources, planning and decision making

and financial control techniques, the use of land, labour and capital, budgeting, record keeping, accounting and monitoring the production programme. Labour organisation and management. Staff training. Commercial and other laws affecting nursery management. Project costing, development budgeting and machinery replacement. Use of computers in nurseries.

- (19) *Project*—A report on a topic of the candidate's choice, subject to the requirements in clause 7 (12). The report should be approximately 3000 words in length, and of a standard suitable for submission to a horticultural journal.
- (20) *Oral and Practical Examination II (Nursery Production)*—(1 day—two 3-hour examinations)—A more advanced knowledge of subject 14 topics. The candidate must submit a plan (his own work) of an ideal nursery growing a range of plants for discussion on planning, design and layout.
- (21) *Thesis*—As prescribed in clause 8 of this scheme.

FIFTH SCHEDULE

SCHEME FOR THE EXAMINATION OF CANDIDATES FOR THE NATIONAL CERTIFICATE IN HORTICULTURE (FLORICULTURE), THE NATIONAL DIPLOMA IN HORTICULTURE (FLORICULTURE), AND THE NATIONAL DIPLOMA IN HORTICULTURE WITH HONOURS (FLORICULTURE) OF THE ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE INCORPORATED

1. In this scheme, unless the context otherwise requires—

“Certificate” means the National Certificate of Horticulture (Floriculture) granted by the Institute.

“Diploma” means the National Diploma in Horticulture (Floriculture) granted by the Institute.

“Diploma with Honours” means the National Diploma in Horticulture with Honours (Floriculture) granted by the institute.

“Examining Board” means the Examining Board of the Royal New Zealand Institute of Horticulture Incorporated.

“Floriculture” means the production of flowers, flower parts, seed heads, foliage and other plant parts severed from plants for commercial use for decorative purposes.

“Floricultural plants” is to be interpreted in its widest sense, and includes any flowering or non-flowering plant or plant part (including fruits and seeds) grown outdoors or under cover from commercial use for decorative purposes.

“Floricultural unit” means any area of land, be it covered by some protective structure or not, on which floriculture plants are grown.

“Identification” in relation to each of plants, weeds, insects, diseases and other pests which occur in New Zealand, means the assigning thereto of its scientific name and a commonly used name.

“Institute” means the Royal New Zealand Institute of Horticulture Incorporated.

“Pest” means any mammal, bird, arthropod, mollusc, nematode or other worm, fungus, bacterium, virus or mycoplasma injurious to horticultural plants.

“Planthouse” means any glasshouse, greenhouse, shade house or similar structure in which plants are grown.

“Practical experience” means horticultural employment approved by the examining board.

“Weed” means a plant growing where it is not wanted.

Award of Certificate, Diploma and Diploma with Honours

2. The Institute, on the recommendation of the Examining Board, may issue to a candidate who complies with all the conditions and requirements herein prescribed:

- A Certificate to a candidate who has passed all the subjects 1 to 14 listed in 3 (1).
- A Diploma to a candidate who has passed all the subjects 1 to 20 listed in 3 (1).
- A Diploma with Honours to a candidate who has passed all the subjects 1 to 21 listed in 3 (1).

Subjects of Examinations

3. (1) The subjects for the Certificate, Diploma and Diploma with Honours examinations shall be:

- Horticultural Botany
- Plant Pests and Disorders
- Soil Properties and Processes
- Horticultural Practices
- Plant Classification
- Weed Control and Horticultural Chemicals