

HYDROPONICS

The Gardening Marvel of the Age

What do **YOU** know about this wonderful Soil-less Gardening?

In spite of doubters . . . Hydroponics has come to stay! Conviction by scientific proof cannot be gainsaid! Chemistry is all-powerful! Yes, Hydroponics—gardening without soil—is simple, easy, inexpensive, and is continually giving new returns that amaze the Hydroponics experts themselves! Hydroponics is the link between the scientist and the man on the land . . . between the ardent Horticulturist and the handicap of manual labour. Learn about Hydroponics! Read the following evidence, and ask us any questions you wish!

SCIENCE V. MANUAL LABOUR

The application of scientific knowledge to growing plants does not necessarily imply laboratory methods. The formation of the Hydroponics Institute enables everyone, in town, suburb or country, to have the benefit of the necessary chemicals and equipment at low cost. Join up! And grow exquisite flowers and vegetables, etc., in a few square feet of space—indoor or outdoors!

Read These Examples of Success!

Two crops of potatoes, skinless and delicious, were collected from plants grown at the Centennial Exhibition stand.

Ripe tomatoes were gathered at the same stand. Growth of plants 1 in. per day. 20lbs. fruit from one tomato vine grown in a pot of sand and Hydroponics Solution!

Progressive farmers are using Hydroponics for raising better pampas grass from cuttings and to establish sub-clover on hillside country. Nurserymen, market gardeners, and private garden lovers are using Hydroponics with amazement and delight. Letters arrive daily telling of wonderful results in all climates and situations. Perfect roses are grown in 8 weeks from dormancy . . . with a fine crop of long-stemmed blooms . . . in mid-winter. You, too, can achieve these results by joining the Hydroponics Institute.

Questions we are asked:

Can any type of plant be grown by this method?

Answer: As far as we know, mushrooms are the only type of plants which have not been raised by soil-less methods.

DOES LIGHT OR AIR AFFECT THE STRENGTH OF THE SOLUTION?

Answer: The strength of the solution is unaffected by sunlight and air, but algae (green scum) will grow on the solution if sunlight reaches it. Therefore, as made perfectly clear in the Institute's Study Guide, the foliage needs light and the roots darkness.

DOES AGE AFFECT STRENGTH AND QUALITY OF THE SOLUTION?

The age of the solution would have no effect on the solution, presuming no evaporation and no algae or green scum had been allowed to enter.

WILL SLIPS OR CUTTINGS RESPOND TO THE HYDROPONIC METHOD?

Answer: Certainly! You set a slip in soil and it feeds for itself. But place it in a bed soaked with solution and its searching for food is simplified. The Hydroponic way means a banquet for cuttings. There is just one thing to remember: the bed, that is the peat, moss and wood shavings, or the sand or pumice, is to be kept moist.

HOW ABOUT SEEDS?

Answer: Seeds can be used in your Hydroponic tank just as simply as seedlings. There is a simple means of keeping them in place, which is made known in the Institute's Study Guide, given to every member.

MUST PLANTS BE GROWN INDOORS?

Answer: Certainly not, but don't you think that the opportunity of doing so is one of its greatest appeals? Plants may be grown the Hydroponic way wherever temperature and light is favourable, or, shall we say, reasonable.

CAN PLANTS BE STARTED AT ANY TIME?

Answer: Plants can be started at any time if given the right amount of light and temperature, which is not difficult when the tanks are portable, as mentioned in a previous section.

IS THE USE OF THIS SOLUTION EXPENSIVE?

Answer: The cost of operating the Hydroponic display at the Centennial Exhibition

averaged 1/6 per week for minerals, and that fed all the dozens of tanks in the main display, plus all that row of five-gallon tanks along the outer fence. So that means the cost is negligible.

How YOU Can Join The Hydroponics Institute:

Fill in the coupon below. The Club or Institute provides members with all the information of experiments and research carried out in New Zealand and overseas, co-ordinating all the information in every comprehensive magazine embracing every phase of the subject. Members are enabled to obtain supplies of all minerals necessary at lowest possible cost.

The Institute is run on a co-operative basis to keep up to date with scientific progress in gardening.

Accept one of the following offers to further your interest in Hydroponics:—

- (a) 1/- stamps, P.O. or cash, brings you illustrated magazine, "Hydroponics," packed with all the latest news from members and overseas authorities.
- (b) 21/- enrols you as a Life Member and entitles you to all necessary supplies for full 12 months, with privilege of obtaining future supplies at cost.

Life Members receive free on enrolment:—

- 1. Minerals for 25-gallon tank for 12 months' supply.
- 2. Comprehensive Manual, including plans and diagrams of suitable tanks.
- 3. The quarterly publication "Hydroponics" for first year.
- 4. A liberal supply of sundries, fibre, wood wool, etc.
- 5. Free 5-gallon tank, complete with wire tray, all ready for use, or, if tank is not desired, a double set of minerals (two years' supply) will be sent.



20lbs. of ripe luscious tomatoes from one vine! Grown in nutrient solution in sand in crock from seedling stage. Note small size of crock.

FILL IN THIS COUPON To the Secretary,
HYDROPONICS INSTITUTE,
P.O. Box 632,
119 Lambton Quay, WELLINGTON.

I enclose herewith.....

Please rush information and supplies to:—.....

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