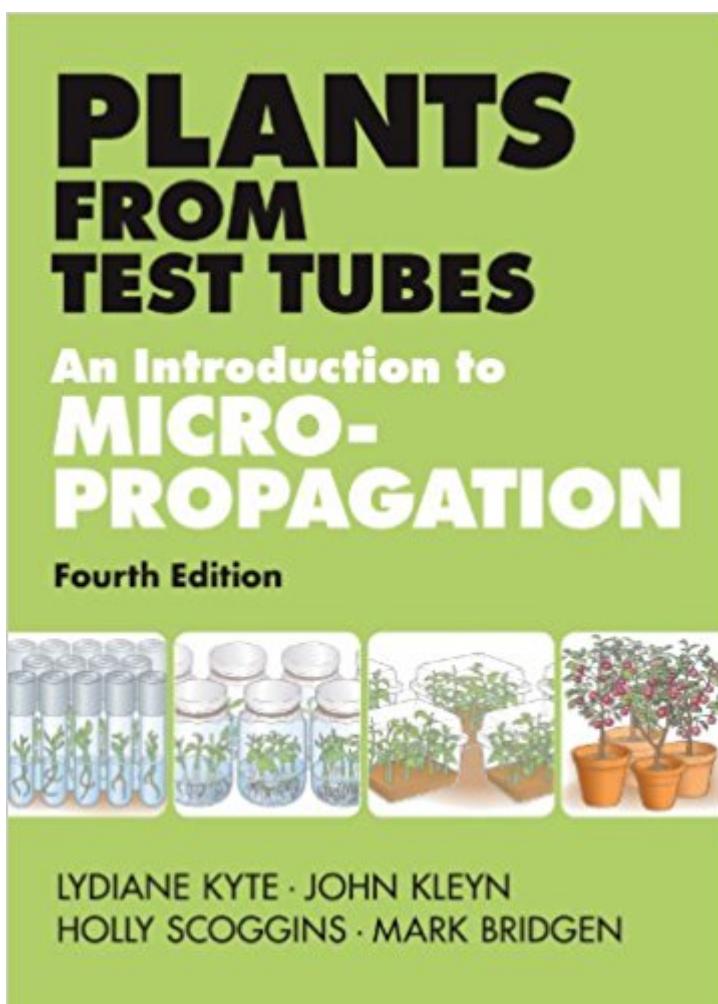


The book was found

Plants From Test Tubes: An Introduction To Micropropogation, 4th Edition



Synopsis

Thirty years ago, in vitro propagation was a new technique for producing plants, and Lydiane Kyteâ™s Plants from Test Tubes became the standard work on the topic. The new fourth edition has been thoroughly revised and updated to reflect the many advances in science and technology, including the five accepted sequential stages of micropropagation. Ten new plants have been added. This in turn has greatly expanded the already extensive bibliography. Among the new topics that have been introduced or expanded on are embryo culture for breeding, somaclonal variation, anther culture, somatic embryogenesis, cryopreservation, and genetic engineering. More ornamental plant examples are given and many new illustrations provided, including a chronology of discoveries in micropropagation.

Book Information

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Customer Reviews

Holly Scoggins teaches horticulture at Virginia Tech in Blacksburg. Her courses cover ornamental plant production and marketing, herbaceous landscape plants, and greenhouse management. Her research and extension focus includes production of perennials and field trials of hops. She holds a PhD in horticultural science from North Carolina State University. Dr. Mark Bridgen is a professor at Cornell University and director of the Long Island Horticultural Research and Extension Center. He earned a PhD in plant physiology from Virginia Polytechnic Institute and State University. Dr. Bridgen teaches plant propagation, and his research specializes in ornamental plant breeding, plant tissue culture and micropropagation, and floriculture.

Excellent introduction to the Art and Science of Tissue Culture. Easy read that covers all stages which even includes formulas and processes for wide variety of plants. Only warning is that if you are thinking of getting into Tissue Culture as a hobby or vocation, this book will do nothing to discourage you. When you complete it, you will be convinced you will be able to reproduce all your favorite plants. You will buy a kit or the supplies, buy shelves and lights, then flats and inserts and potting soil. Soon you will need a greenhouse to "harden" the young plants. Then a couple of acres of "grow houses". Delivery trucks. Agrrrr!!

It gives you pretty much everything you need, lays it out in very understandable fashion, and is a relatively short book so it's not too hard to get through. If you are interested in microprop at home and want to learn how it's done--this will give you the knowledge you need to pull it off. If you are looking for advance knowledge for a specific species you are trying to microprop, this is likely not the book for you unless you're just starting out--it's very good for learning what microprop is, how it works, and all the basics. Something I've learned from my research though is that even very similar plants (to varieties of the same species) the recipe to microprop can be VERY different. But if you're buying this to play around at home, make new plants from ones you already have, or investigate what Microprop is--I highly recommend this book.

Great overview of micropropagation. Includes general instructions, and modifications that may be necessary for lab setups that are larger or smaller than normal. That extends to materials, equipment, and methodology, with both simple/low-cost and highly-scalable methods discussed. I don't think that there is a better resource for someone interested in the very basics of micropropagation of plants for research purposes.

The book is a textbook intended for horticultural students. It assumes very little prior knowledge, even presenting high school chemistry. Various protocols are described for cloning different varieties of plants. The book does not assume the reader will have a complete laboratory for experiments (though it does address the needs of those who do). The language is relatively free of jargon, but does require serious study. Would guess it is used in various horticultural programs carried on in land grant universities.

Great, comprehensive book for an introduction to a very interesting subject.

Great book. As close to a tissue culture tutor you'll find without knowing someone in the field.

Concise and useful instructions on cloning Orchids . Great tips for success on cloning specific orchids . Would highly recommend this book to self teach on micropropagation

Very comprehensive, more than an introduction, great references

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