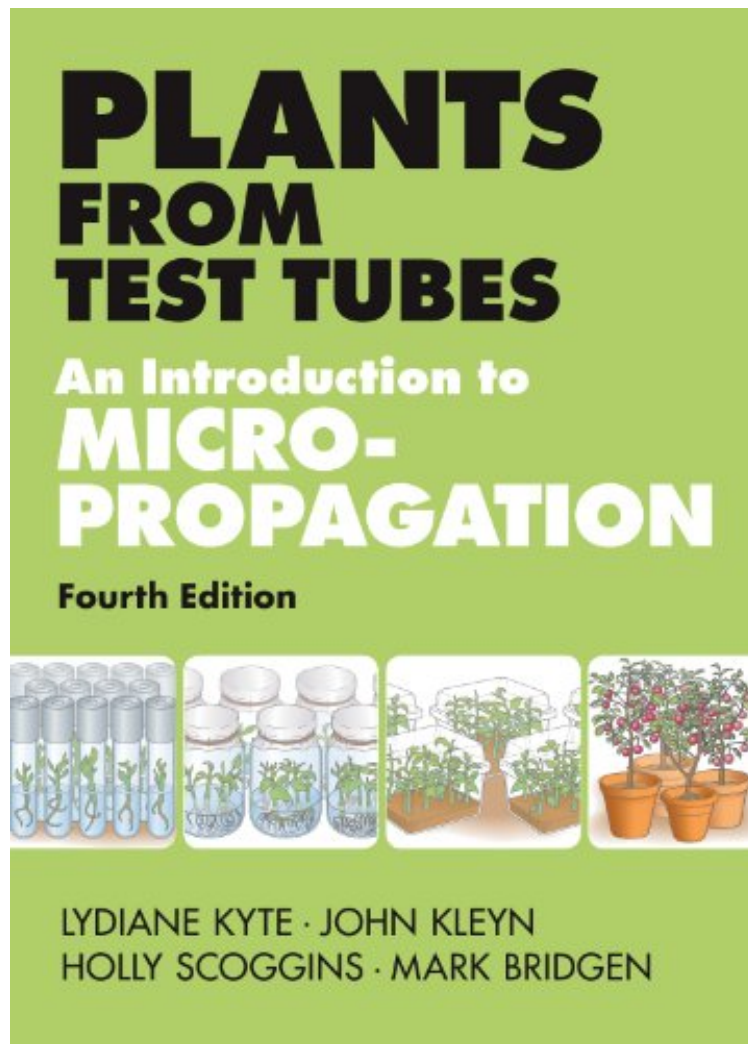


Plants from Test Tubes: An Introduction to Micropropagation, 4th Edition

Holly Scoggins, Mark Bridgen
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#76676 in Books 2013-08-13 Original language: English PDF # 1 10.69 x 1.00 x 7.681, 2.02 #File Name: 1604692065274 pages | File size: 32.Mb

Holly Scoggins, Mark Bridgen : Plants from Test Tubes: An Introduction to Micropropagation, 4th Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Plants from Test Tubes: An Introduction to Micropropagation, 4th Edition:

12 of 12 people found the following review helpful. Must have if you want to start microprop at home By Steve C. 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 your just starting out--it's very good for learning what microprop is, how it works, and all the basics. Something I've learn 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 your 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. 0 of 0 people found the following review helpful. Terrific resource By wrr 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. 3 of 3 people found the following review helpful. A useful textbook By Richard A. Fidler 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.

Thirty years ago, *in vitro* propagation was a new technique for producing plants, and Lydiane Kytes *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.

About the Author 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.