

at Christmas time when you buy mixed nuts you usually get a few of the filberts in the mixture. These nuts are good eating, and when the plants are grown on the home grounds everyone who has them says they are much enjoyed by all members of the family. Our experience has been that filberts yield annually and, if given reasonable care, in good amounts.

In conclusion we would like to say we feel there is not only a place for

filberts in landscape work, but there is an absolute need for greater use of these plants especially in rural plantings. At present, the professional landscape artists are not inclined to recommend them as often as they could, simply because they have not been trained to think of dual purpose plants. Greater publicity as to the value of these plants would undoubtedly mean greater use of them.



THE NATURE OF GIANT APPLE SPORTS

By G. M. Darrow, R. A. Gibson,
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Many of our readers who are interested in sports of fruit trees would enjoy reading this article.

Some color sports have proved of great economic value. Russet sports seem not as yet to have been of any commercial importance.

Giant sports have heretofore mostly been mere curiosities, for the trees are quite often unproductive and the fruit usually irregular in shape. In the instances recently discovered, giant sports may prove to be of direct horticultural value. A "giant" Wealthy from Massachusetts is reported to be larger than normal, to have flesh of fine texture, to

tend to overbear less severely than the normal and to be more consistently an annual bearer than the normal. A "giant" Ontario sport seems to bear a fairly adequate crop.

A "giant" sport of McIntosh was found to have a tetraploid condition of all tissues except the epidermis, which was diploid. The tree was very spreading due to wide-angled branching.

In "rogue" type fruit, such as that of some Grimes Golden and Rhode Island Greening trees, where the irregular fruit is mostly smaller than normal, a gene mutation may be involved.

A country-wide search should be made to locate "giant sports" having a tetraploid second histogenic layer, so that they can be used in the production of mass polyploid forms of McIntosh, Jonathan, and Red Delicious varieties which have proved to be valuable as parents at the diploid level.