

equally effective in terms of percent rooting. However, if we look at the number of roots per cutting, the 0.75% IBA liquid quick-dip produced 30.4 roots/cutting compared to 16.2 for Hormodin 3. Recall that Hormodin 3 contains 0.8% IBA in talc form.

**Table 3.** Response of *Ilex crenata* 'Convexa' to selected rooting compounds.<sup>z</sup>

Treatment	Percent Rooting <sup>y</sup>	Mean number of roots/cutting	Mean root length (mm)
Untreated	40.0 b	2.7 c	18.1 a
0.5% IBA liquid quick-dip	80.0 a	16.9 b	18.0 a
0.75% IBA liquid quick-dip	93.5 a	30.4 a	20.2 a
Hormodin 3 (0.8% IBA in talc)	90.0 a	16.2 b	14.6 a

<sup>z</sup>Means within a column followed by the same letter are not significantly different at the 5% level — Duncan's New Multiple Range Test.

<sup>y</sup>Each value based on 30 cuttings.

The foregoing provides some examples which substantiate the fact that auxin concentration as well as method of application can dramatically affect rooting of some species. This should be of concern to commercial propagators and nurserymen who wish to maximize both production and production efficiency. In our experience, liquid formulations of IBA are easier to apply than talc formulations since cuttings can be treated in bundles at one time rather than individually.

The mention of trade names does not imply endorsement by the North Carolina Agricultural Research Service of products named or criticism of similar products not mentioned.

### **PROPAGATION: FOG NOT MIST**

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(See Western Region, page 100)