

**Table 4.** Influence of GA<sub>3</sub> on plant height, shoot number and leaf size in *Lonicera × xylosteoides* 'Clavey's Dwarf'.

| GA <sub>3</sub>         | Plant height | Shoot number | Leaf size            |
|-------------------------|--------------|--------------|----------------------|
| <i>Applied weekly</i>   |              |              |                      |
| 0 ppm                   | 45.0 cm      | 20.0         | 6.75 cm <sup>2</sup> |
| 100                     | 66.1         | 24.4         | 5.03                 |
| 250                     | 62.1         | 24.7         | 3.08                 |
| 500                     | 56.9         | 21.6         | 3.60                 |
| <i>Applied biweekly</i> |              |              |                      |
| 100                     | 62.4         | 24.8         | 6.18                 |
| 200                     | 67.4         | 25.3         | 5.30                 |
| 500                     | 63.4         | 23.5         | 4.67                 |
| 1000                    | 59.9         | 20.9         | 3.90                 |

### SUMMARY

Six species of dwarf woody plants were treated with gibberellic acid at concentrations between 100 and 1000 ppm. All plants reacted strongly to GA<sub>3</sub>. It is hoped that by stimulating growth production, time to produce saleable nursery plants can be reduced.

### DESIRABLE AMENITY TREES

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Other things being equal an evergreen tree gives twice the value of a deciduous tree visually and more because it provides shelter when most needed. Evergreens are not fully exploited in the U.K. There are few broadleaved evergreen species of rapid growth or large structure. Conifers have been restricted badly by sooty air near towns until recently, but are much used urban trees in other countries.

*Flowers or autumn color* are spectacular but brief and have a low score on their own. *Foliage* is of long duration or is permanent (evergreen) and so has a high score. *Bark* is permanent and is best seen on deciduous trees in winter and therefore scores highly. Any combinations of the above add greatly to value. *Ease of propagation*, and hence (but not necessarily) ease of acquisition, is considered secondary, even if decisive.

*Some trees with high general scores.*

*Arbutus menziesii*. Pacific madrone. Evergreen, rich bark colors; prominent flowers, colored fruit; good growth and stature. Tender when grass-high but hard to say whether fully

hardy as older plant, since few are seen beyond East Anglia and the south.

*Ligustrum lucidum*. Glossy privet. Evergreen, handsome glossy foliage, densely flowered all summer; open autumn, highly fragrant; shapely crown; moderate ultimate size; proved adaptability to urban, city and street.

*Euodia hupehensis*. Smooth grey bark; handsome pinnate leaf; abundant flowers in late summer; orange-red fruit. Very vigorous when young; proved adaptability to cities.

*Zelkova serrata*. Keaki. Bark flecked orange, pink, etc.; elegant leaves held in attractive lines; splendid, rather subtle, autumn colors; vigorous when young; very hardy; easily raised from seed in quantity; proved value in cities.

*Acer buergerianum*. Trident maple. Bark, flaky orange-brown: Leaves emerge orange; yellow flower-heads with them; foliage dense and pretty; good autumn reds; moderate size; easily raised from seed.

*Aesculus flava*. Yellow buckeye. Slender leaflets bright glossy green; yellow flowers; brilliant orange and red autumn colors, good growth in city parks; usually seen grafted; home seed not very successful.

*Aesculus indica*. Leaves emerge orange-brown; slender, shapely and stalked; big flower-heads a month later than horse chestnut; black 'conkers', good growth, used in London Royal Parks.

*Aesculus turbinata*. Japanese horse chestnut. Smooth grey-pink bark; huge leaves on two-foot stalks; tall flower-heads; good orange autumn colors.

*Betula pendula* 'Dalecarlica'. Swedish birch. White bark, slender weeping crown; small fancily cut leaves, brief autumn golds; good in towns.