

**Tree factsheet**

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***Diospyros ebenum* Koenig**

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|                                   |  |
|-----------------------------------|--|
| <b>taxonomy</b>                   |  |
| author, year                      | Koenig, ....   |
| synonym                           |  |
| family                            | Ebenaceae  |
| Eng. Name                         | Ebony, Indian ebony, Ceylon ebony  |
| other names                       | India: Karmara   |
| Dutch name                        | zwart ebben  |
| subspecies                        |  |
| varieties                         |  |
| hybrids                           |  |
| <b>references</b>                 |  |
|                                   | CAB International. 2005. The Forestry Compendium.<br><a href="http://www.cabicompendium.org/fc">www.cabicompendium.org/fc</a><br><a href="http://en.wikipedia.org/wiki/Ebony">http://en.wikipedia.org/wiki/Ebony</a> |
| <b>morphology</b>                 |  |
| crown habit                       |  |
| max. height (m)                   | 25   |
| max. dbh (cm)                     |  |
| actual sizes –location, country - |  |
| oldest tree –location-            |  |
| leaf length (cm)                  | 6-15   |
| leaf petiole (cm)                 |  |
| leaf colour upper surface         | green  |
| leaf colour under surface         |  |
| leaves arrangement                | alternate  |
| flowering                         |  |
| flowering plant                   | monoecious, both sexes in the same inflorescence, with unisexual flowers   |
| flower                            |  |
| flower diameter pollen cones (cm) |  |
| inflorescence description, length |  |
| pollination                       |  |
| fruit description                 | berry, similar to a small persimon (or kaki)   |
| fruiting period                   |  |
| fruit; length (cm)                | 2  |
| fruit petiole; length (cm)        |  |
| seed; length (cm)                 |  |
| seed-wing length (cm)             |  |
| weight of 1000 seeds (kg)         |  |
| seeds ripen                       |  |
| seed dispersal                    |  |
| seed longevity, dormancy          |  |
| <b>habitat</b>                    |  |
| natural distribution              | India, Sri Lanka   |
| introduced countries              |  |
| area natural habitat (ha)         |  |
| soil type                         |  |
| water                             |  |
| pH-KCl                            |  |
| soil fertility                    |  |

|  |  |
|--|--|
| light                                  |  |
| temperature                            |  |
| "optimum natural development"          |  |
| remarks                                |  |
|  |  |
| <b>management</b>                      |  |
| status natural range                   | vulnerable   |
| status introduced range                |  |
| application                            | timber tree  |
| propagation                            | seed   |
| regeneration                           | planting   |
| optimal gap size for regeneration      |  |
| resprouting after cutting              |  |
| growth rate                            |  |
| diseases                               |  |
| insects                                |  |
|  |  |
| <b>ecology</b>                         |  |
| plant communities / associations       |  |
| associated trees                       |  |
|  |  |
| <b>wood</b>                            |  |
| trade name                             | India Ebony, Ceylon Ebony  |
| wood structures key characteristics    |  |
| density heartwood (kg/m <sup>3</sup> ) | 1000-1200 (at 12% moisture content)  |
| elastic modulus (N/mm <sup>2</sup> )   |  |
| total above ground biomass             |  |
| fungi class durability heartwood       | 1; very durable  |
| heartwood colour                       | black  |
| sapwood colour                         | yellowish white  |
| contents                               |  |
| products                               | ornamental wood, cabinets, carving<br>traditionally piano keys, chess pieces, scientific instruments<br>firewood |
| market                                 | high value; sold per kg, but rare  |
|  |  |
| <b>non-timber products</b>             |  |
|  |  |



Ebony forest at Krishnapura, foto Rajaramraok, Wikipedia



*Diospyros ebenum* tree (www.arcus-bow.de)



*Diospyros ebenum* trees, leaves and fruits ©Shoyaku



Ebony sculpture, height: 30 cm. source: Wikipedia.