

## Bibhitki *Terminalia bellirica*



(Credits, from left to right: Dinesh Valke via [Flickr creative commons](#), Dinesh Valke via [Flickr creative commons](#), Satish Nikam via [Flickr creative commons](#))

### Seed type and characteristics:

- Flowers April-May, fruit matures 7 months later (Nov-Feb). Germination hypogeous and seedling growth is moderate.<sup>1</sup>
- Seed is a drupe, globose or ovoid, slightly 5 ridged, 3 cm across; 1-seeded<sup>2</sup>
- Overall performance of seedling best when seeds collected in the first fortnight of January and sowing was done in the last week of March<sup>3</sup>
- Seeds collected in January<sup>4</sup>

### Seed germination conditions:

More successful germination achieved using:

- Acid scarification<sup>5,6</sup>
- Heavy/large seeds<sup>7</sup>

<sup>1</sup> Bedell, PE (2008) *Seed Science and Technology: Indian Forestry Species*

<sup>2</sup> India Biodiversity portal, <http://indiabiodiversity.org/species/show/19316>

<sup>3</sup> Bhardwaj & Chakraborty (1994),

<http://www.cabdirect.org/abstracts/19950601025.html;jsessionid=1705D2CCCBA894AAF273AEAC727EA84E>

<sup>4</sup> Hossain, M.A. et al. (2014), <http://dx.doi.org/10.4236/ajps.2014.55086>

<sup>5</sup> in Kurana & Singh (2001) <http://dx.doi.org/10.1017/S0376892901000042>

<sup>6</sup> Bhardwaj & Chakraborty (1994) *Indian Forester*, 120 (5), 430-438.

<http://www.cabdirect.org/abstracts/19950601025.html;jsessionid=1705D2CCCBA894AAF273AEAC727EA84E>

- Seed depulping and soaking in water<sup>8</sup>

**Sapling growing requirements:**

Higher rates of seedling growth seen with:

- Use of fertilizer in the growing medium<sup>9</sup>
- Inoculation with mycorrhizal fungi<sup>10</sup>

**CCI partners, with lead partner:**

| [TRAFFIC \(www.traffic.org\)](http://www.traffic.org)

Applied Environmental Research Foundation

---

---

<sup>7</sup> in Kurana & Singh (2001) <http://dx.doi.org/10.1017/S0376892901000042>

<sup>8</sup> Hossain, M.A. et al. (2014) <http://www.scirp.org/journal/PaperInformation.aspx?paperID=43913&http://dx.doi.org/10.4236/ajps.2014.55086>

<sup>9</sup> in Kurana & Singh (2001) <http://dx.doi.org/10.1017/S0376892901000042>

<sup>10</sup> in Kurana & Singh (2001) <http://dx.doi.org/10.1017/S0376892901000042>