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22. *Noronhia decaryana* H. Perrier in Mém. Inst. Sci. Madagascar, Sér. B, Biol. Vég. 2: 287. 1949.

Typus: MADAGASCAR. **Prov. Toamasina:** Est: S de Moramanga, [18°56'S 48°13'E], 900 m, 15.II.1930, *Decary 7126* (holo-: P [P00413222]!; iso-: P [P00413223, P00413224]!).

Description *Trees* to 12 m tall, trunk to 15 cm diameter; young twigs cylindrical, 0.7-2.6 mm diameter, glabrous; bark dark to medium gray, smooth to slightly rugose. *Leaves* opposite, persistent; bud scales persistent; blades dark green above, lighter below, oblong to elliptic, 5-17.5 × 2-7.5 cm, chartaceous, glabrous, domatia rare, base rounded to acute, margin slightly revolute and undulate, apex cuspidate, the cusp 4-21 mm long, midrib sunken above, raised below, secondary veins conspicuous, 6-14 per side, 7-30 mm apart, looping 2-7 mm from the margin; petiole medium to light gray, 3-11 × 0.7-2.7 mm, entirely woody, glabrous. *Thyrse*s fasciculate, pauciflorous, diffuse; peduncle 6-18 mm long, glabrescent; pedicel 6-28 mm long, glabrescent; calyx moderately pubescent outside, glabrous inside, lobes triangular, 1-2.8 × 1-2 mm; corolla orangish-red outside, yellowish inside, urceolate, 4-8 mm long, glabrous on both sides, the tube 1-5 mm long, lobes ovate to triangular, apex acute; corona absent; stamens 1.3-2.8 mm long, anthers oblate to orbicular, 1-1.9 mm long; pistil 2-3.5 mm long, stigma capitate. *Fruiting* pedicel 4-29 × 0.5-2.2 mm; young fruits green, dark red when mature, ovoid to subglobose, 12.5-20.5 × 8.5-21 mm, surface smooth, sometimes covered with white dots, apex flat, style persistent; dry pericarp 0.4-1.7 mm thick; endocarp crustaceous; seed 6.5-13 × 5-15 mm.

Distribution, ecology and phenology *Noronhia decaryana* occurs in low- to high-elevation humid forests, from Tsaratanana in the north to Ivohibe and Manombo in the south (Fig. 9). It produces flowers and fruits throughout the year.

Conservation status Based on 21 collections representing 19 localities, the assessment resulted in an EOO of 89,050 km², an AOO of 76 km², and 19 subpopulations representing 14 locations, of which 10 occur within protected areas (Analamazaotra, Anjanaharibe-Sud, Corridor Ambositra-Vondrozo, Corridor Ankeniheny-Zahamena, Manombo, Mantadia, Ranomafana, Tsaratanana, Tsaratanana-Ambohimirahavavy-Corridor Marojejy, and Zahamena). Although some locations are not encompassed within protected areas and are subject to habitat degradation, *N. decaryana* is widespread, with an actual AOO likely much larger than 2,000 km², and is therefore assigned a preliminary status of "Least Concern".

Notes *Noronhia decaryana* can be recognized by its chartaceous, cuspidate leaf blades, long-pedunculate inflorescences with orangish-red flowers that lack a corona, and crustaceous fruits. It differs from *N. cuspidata* by the features discussed under that species and from *N. gracilipes* H. Perrier mainly by rarely (vs. frequently) having domatia on the abaxial leaf blades, and by its urceolate (vs. cupuliform to subrotate), orangish-red (vs. pinkish) flowers.

Additional specimens examined

MADAGASCAR. Prov. Antsiranana: Beramanja, Anketrabe Belinta, forêt de Manongarivo-Kalobinono, 13°38'18"S 48°40'29"E, 520 m, 27.IX.2013, *Manjato et al.* 411 (DOV, G, MO, P, TAN); Tsaratanana RNI, Beangona, 14°02'50"S 48°47'09"E, 1100 m, 27.XI.2000, *Razakamalala et al.* 3 (MO, P, TAN). **Prov. Fianarantsoa:** Manombo RS, 23°00'S 47°42'E, 5.III.2009, *Hong-Wa et al.* 612 (MO, P, TAN); Ranomafana PN, Vatoharanana, Parcelle 3, 21°16'06"S 47°25'30"E, 923 m, 8.V.2010, *Hong-Wa & Ortiz* 671 (MO, P, TAN). **Prov. Toamasina:** Moramanga, Ambatovy, Analamay, 18°48'24"S 48°18'31"E, 1119 m, 22.X.2005, *Antilahimena et al.* 4106 (MO, P, TAN); Toamasina, [17°45'S 48°33'E], 1200 m, 29.XII.1944, *Cours* 2136 (G, MO, P); Analamazaotra RS, 18°56'12"S 48°25'09"E, 953 m, 2.V.2010, *Hong-Wa & Ortiz* 648 (MO, P, TAN); Ambatondrazaka, 18°52'S 48°30'E, 985 m, 6-7.III.1992, *Noyes et al.* 989 (MO, P); Ampitambe, forêt d'Analamay, 18°51'22"S 48°19'34"E, 1080 m, 29.VI.1997, *Rakotomalaza et al.* 1363 (MO, TAN); Manakambahiny Est, Zahamena RNI, 17°40'34"S 48°45'32"E, 1351 m, 14.IX.2002, *Randrianjanaka et al.* 725 (CNARP, MO, P, TEF); Brickaville, Maroseranana, Ambodilendemy, 18°25'35"S 48°47'17"E, 1019 m, 21.III.2011, *Ravelonarivo & Edmond* 3767 (MO, P, TAN); Fénériver-Est, Mandifikantsy, Sahatavy, [17°36'42"S 48°54'00"E], 19.I.1956, *Réserves Naturelles* 7832 (MO, P).