# Comparison of Similar Looking Plants

Cratoxylum formosum and Cratoxylum maingayi



**Scientific name:**Cratoxylum formosum

Common name: Pink Mempat

Family name: Hypericaceae

**Origin:** From Hainan to Southeast Asia

**Status:** Endangered



**Scientific name:** Cratoxylum maingayi

**Common name:** Derum

Family name: Hypericaceae

**Origin:** Southeast Asia

**Status:** Critically Endangered



**Form** 

# **Cratoxylum formosum** Cratoxylum maingayi It is a tree, up to 45 It is a tree, up to 30 m tall. m tall. Profuse blooming Profuse blooming Tree when it is flushing Tree when it is flushing and in full bloom and in full bloom

В	a	r	k
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# **Cratoxylum formosum** Cratoxylum maingayi Young trees have Young trees not observed to have spines at the base. spines. Bark is grey-brown Bark is dark greyto reddish brown brown Bark is smooth to Bark is smooth to fissured or scaly. fissured or flaky Scaly Bark Spines on No spines on Fissured Bark Fissured Bark young tree young tree

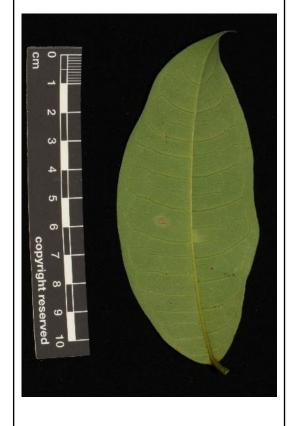
#### Mature Foliage

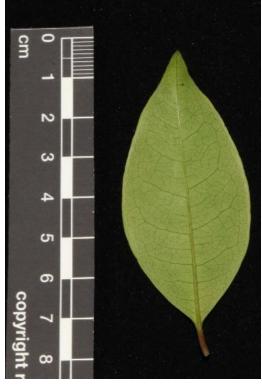
#### **Cratoxylum formosum**

- Leaf is elliptic, ovate, obovate or oblong
- Leaf is larger (5 15 cm long and 2.5 –
  6.5 cm wide).
- Leaf stalk varies with leaf size, up to 15 mm long.

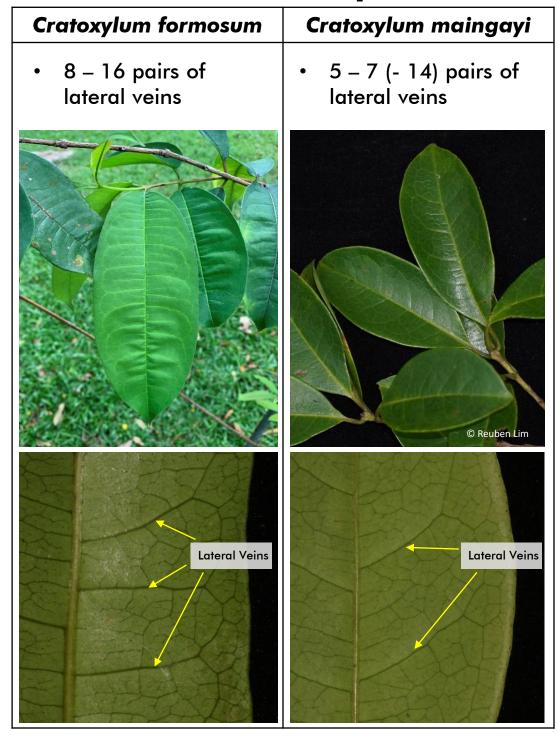
#### Cratoxylum maingayi

- Leaf is elliptic to oblong
- Leaf is smaller (1.5 –
   5.5 (–8) cm long and
   1 3 cm wide).
- Leaf stalk is 5 9 mm long.





Lateral veins



#### **Flowers**

#### Cratoxylum maingayi

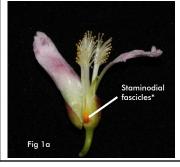
 Petals may be white, pink, red or purple.

Cratoxylum formosum

- Staminodial fascicles\* are orange-red and 2 – 4 mm long. (Fig 1a)
- 20 stamens per fascicle. (Fig 2a)

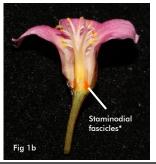
- Petals may be white, pink, red or purple.
- Staminodial fascicles\* are orange-red and 2 – 3 mm long. (Fig 1b)
- 9 15 stamens per fascicle. (Fig 2b)













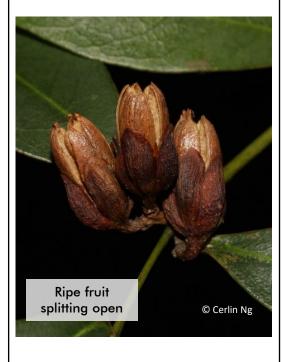
<sup>\*</sup> Staminodial fascicles refer to the sterile staminal structure.

#### **Fruits**

### Cratoxylum formosum | Cratoxylum maingayi

- Ellipsoid
- Sepals persistent and one-third of the fruit length.
- Up to 17 seeds per locule

- Spindle-shaped
- Sepals persistent and cover half or two-third of the fruit length.
- 5 6 seeds per locule





#### **Acknowledgement**

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#### Reference

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