

# SPECIES DATA SHEET

*Phalaenopsis sumatrana* Korth & Rchb.f. 1860

Subgenus: *Polychilos*



*Phalaenopsis sumatrana*

### **General Information:**

This species is found in Malaysia, Java, Borneo, Sumatra, the Philippines, Myanmar (Burma), Thailand, and Vietnam. Plants grow on trees in shady nooks near streams, and they thrive in the warm climate of Singapore. In Borneo, plants have been found in Sabah, Sarawak, and Kalimantan where they grow in hill and riverside forests from near sea level to about 2300 ft. (700 m). In the Philippines, plants have been found on Palawan Island where they grow as epiphytes at elevations up to 2300 ft. (700 m). Plants have been found in Peninsular Thailand near Khao Kalakiri, Pattani at 1950 ft. (600 m). In Malaya, plants are known to occur in the states of Perak and Johore and near Ulu Kali in Selangor.

### **General Description:**

This species is an epiphyte. The leaves are elliptic-obovate, tapered to the conduplicate base, rounded, acute to 32 cm long by 11 cm wide. The inflorescences are arching to sub pendent racemes or panicles 30 cm long, the floral bracts are triangular, acute, concave up to 6 mm long. The flowers are fleshy rigid, mildly fragrant, extremely variable in color from white to green to wine red, with few to many transverse brown bars or with barring absent, the base of the sepals and petals without markings, the lip white with purple suffusion, the column white. The dorsal sepal is oblong-elliptic, cuneate, acute-carinate, usually convex to 24 mm x 15 mm wide. The lateral sepals are obliquely elliptic to 28 x 15 mm. Petals oblong-oblongeolate, acute, to 35 x 12 mm. The lip is three lobed, to 25 mm long and 15 mm wide across the expanded lateral lobes, the lateral lobes erect, oblong, oblique-falcate, two-toothed, the mid lobe oblong, obtuse, with a raised central dorsal keel, the apex a raised boss of dense trichomes. The callus is biserial, the posterior callus four lobulate at the apex, at the base glandular, the anterior callus longer, sulcate, bifid. The column is slightly arching, dilated toward the apex to 1.5 cm long, the anther bed (clinandrium) hooded, with erose-dentate margins. The pedicel and ovary to 2.5 cm long.

### **Botanical Varieties (if any)**

*Phalaenopsis sumatrana* var. *paucivittata* Rchb.f. 1882

*Phalaenopsis sumatrana* var. *flava* Fowlie 1982

### **Synonyms/Forms:**

*Phalaenopsis sumatrana* f. *paucivittata* (Rchb.f.) O. Gruss & M. Wolff 2007

### **Awards:**

This species has been awarded by the AOS 20 times over the period 1965 through 2020 (AM-9; HCC-5; JC-2; CBM-2; CCM-2).

### **Hybrids:**

*Phalaenopsis sumatrana* has 172 First Generation offspring, and Total Progeny of 5,750 (through the 15th generation). This species has also been involved in creating Primary Hybrids 33 times as both the seed and pollen parent.

*Phalaenopsis Ambotrana* was registered in 1965 by Fredk. Thornton and is a cross of *Phal. sumatrana* x *Phal. amboinensis*. The hybrid has 36 First Generation offspring, and 242 total progeny. The hybrid has been awarded by AOS 9 times (AM-3; HCC-5; CCM-1).



*Phalaenopsis Ambotrana*

### **References:**

Christenson, Eric, *Phalaenopsis, a Monograph*, Timber Press, Inc., 2001

Orchids Plus 1.4

OrchidWiz 5.1