

Species Report

Phalaenopsis javanica

The Javanese Phalaenopsis

Synonyms

- *Polychilos javanica* (J.J.Sm.) Shim, Malayan Nat. J. 36: 24 (1982).
- *Phalaenopsis latisepala* Rolfe, Bull. Misc. Inform. Kew 1920: 130 (1920).
- *Phalaenopsis javanica* f. *alba* O.Gruss & Roellke ex Christenson, Phalaenopsis: a monograph: 132 (2001).

Found at elevations from 700 – 1,000 meters. Flowers: 3 – 5 cm; blooms spring, early fall; slightly fragrant. Blooming time about 15 – 20 days. Inflorescence, 25 cm, suberect, racemose and sometimes branching

Flowers are rather small, 1.75 inches wide, and quite cup-shaped, this cupping is passed on to its hybrids. Petals and sepals are marked with longitudinal stripes consisting of numerous small brownish purple spots, giving the flowers a tessellated appearance. Lateral lobes of the lip are yellowish in front with a pale suffusion at the base with a white disc. Lip midlobe is purple

When hybridized with flowers showing colors, the carotenoids in this species enrich the hybrid's color.

Phalaenopsis javanica f. *alba*, it is an anthocyanin-free, sporadically occurring form of the species. Also, there is a coerulea blue lip, *P. javanica* h.f. *coerulea* 'Blue Java' JC awarded in 2017.

According to OrchidWiz X7.3 there are 114 offspring (First Generation) and 252 total progenies, and few hybrids were awards, 2 AM, 3 HCC, 1 CCM, 1 CHM, 1 CBM and 1 JC mentioned above.

Breeding positives aspects

P. javanica has an unusual color pattern that is inherited at the diploid level, the combination of concave sepals and convex petals, which are not desirable characteristic for breeder can make an outweigh balance for breeding. (Christenson 2001).

References

- Christenson, E. A. 2001. Phalaenopsis a monograph. Pp 130 – 132.
- Livingston B. Orchid Digest. Hybridizing with Phalaenopsis species Vol. 66. 2002. Pp 211
- OrchidPro
- Orchidwiz Encyclopedia X7.3
- www.orchidspecies.com. Retrieve 7-27-21
- www.wcsp.science.kew.org