

## ***Zygopetalum maculatum (Kunth) Garay***

### **Synonyms**

- *Broughtonia maculata* (Kunth) Spreng. in Syst. Veg., ed. 16. 3: 735 (1826)
- *Dendrobium maculatum* Kunth in F.W.H.von Humboldt, A.J.A.Bonpland & C.S.Kunth, Nov. Gen. Sp. 1: 359 (1816)
- *Maxillaria maculata* (Kunth) Lindl. in Gen. Sp. Orchid. Pl.: 149 (1832)
- *Eulophia mackaiana* Lindl. in Edwards's Bot. Reg. 17: t. 1433 (1831)
- *Zygopetalum bolivianum* Schltr. in Repert. Spec. Nov. Regni Veg. Beih. 10: 50 (1922)
- *Zygopetalum intermedium* Lodd. ex Lindl. in Edwards's Bot. Reg. 30(Misc.): 9 (1844)
- *Zygopetalum intermedium* Regel in Index Seminum (LE, Petropolitanus) 1855: 22 (1855), nom. illeg.
- *Zygopetalum intermedium* var. *peruvianum* Rolfe in Lindenia 9: 71 (1894)
- *Zygopetalum mackayi* Hook. in Bot. Mag. 54: t. 2748 (1827)
- *Zygopetalum mackayi* var. *intermedium* Mutel in Mém. Orchid. 2: 9 (1842)
- *Zygopetalum mackayi* var. *parviflorum* Regel in Index Seminum (LE, Petropolitanus) 1855: 22 (1855)
- *Zygopetalum mackayi* var. *pictum* Regel in Index Seminum (LE, Petropolitanus) 1855: 23 (1855)
- *Zygopetalum massangei* Jacob-Makoy ex T.Moore & Mast. in Gard. Chron., n.s., 5: 603 (1876)
- *Zygopetalum rivieri* Carrière in Rev. Hort. (Paris) 45: 191 (1873)
- *Zygopetalum velutinum* Hoffmanns. in Verz. Orchid., ed. 2: 62 (1843)

*Zygopetalum maculatum*, better known as *Zygopetalum mackayi*, is the key species of the genus, it is was name after Mr. Mackay, the director of the Dublin Botanic Garden. Looking at the *Z. maculatum* in OrchidWiz X9.1 there are an interesting variation on the flower's patterns and shape. Throughout the time it had been classified under different species and varieties, currently *Z. mackayi*, its varieties and *Z. intermedium* are officially considered *Z. maculatum*.

*Z. Sedenii* (*Z. mackayi* x *Z. maxillare*) crossed in 1874 is the first *Zygopetalum* hybrid. Interestingly intergeneric hybrid using *Zygopetalum* have been used in early times where aseptic culture was yet not developed, then later after approximately 200 years bringing related genus to *Zygopetalum* bring novel shape to the breeding lines.

Flower of *Z. maculatum* are fragrant, the perfume is intense and can last for many days. About color some clones had deep coloration. The sepals and petals spread out radially above the lip, they are olive green overlaid with brown stripes and the lip is flat, violet purple. The plant is robust and can bear about six flowers per spike.

*Z. maculatum* have been used for produced 35 offspring, first generation and a total of 535 Total progeny throughout seven generations.



*Zygopetalum mackayi* 'Janet Findlay' AM/AOS 80 Points

Photo by McCulloch

Z. B.G. White (*Z. Blackii* x *Z. mackayi*) a prolific hybrid created in 1957 shown 33 offspring and they earned 8 awards. *Z. Artur Elle* (*Z. Blackii* x *Z. B.G. White*) is an interesting line breeding where sepals and petals are broader, maybe it had been inherited from *Z. maxillare*. The base olive-green color yet is imparted for *Z. maculatum*. *Z. Artur Elle* created 53 offspring, first generation and a total of 178 total progeny.

*Batchmanara* Cedar Night  
'Samaria Skye' HCC/AOS (77 points)  
*Alantuckerara* Cedar Creek x  
*Galeopetalum* Black Knight

Photo by Chaunie Langland



Breeder realized the lack of color and variation of shape on *Zygopetalum* and they crossed closed related species of *Zygopetalum*, creating innovative hybrids in this group. One interesting example is *Zygopabstia* Judith Phillips (*Pabstia jugosa* x *Z. mackayi*), where *Pabstia* influence making wider the flower.



*Zygopabstia* Judith Phillips  
Photo by OrchidWiz Lib.

## Important *Zygopetalum maculatum* hybrids

Seedpod	Pollen	Hybrid	Originator	Year	Offspring	Awards
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. maxillare</i>	<i>Z. Sedenii</i>	Veitch	1874	0	0
<i>Galeottia burkei</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Galeopetalum</i> [Gptrn] <i>Leucochilum</i>	Veitch	1892	0	0
<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Z. maxillare</i>	<i>Z. Perrenoudii</i>	Perrenoud	1894	14	0
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Oncidium nobile</i>	<i>Odopetalum Treseder</i>	Treseder	1897	0	0
<i>Pabstia jugosa</i>	<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Zygopabstia Wiganianus</i>	Wigan	1900	0	0
<i>Z. crinitum</i>	<i>Z. Perrenoudii</i>	<i>Z. Blackii</i>	Black & Flory	1914	20	2
<i>Z. maxillare</i> ( <i>Zygopetalum gautieri</i> )	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. Yolande</i>	S. Low	1941	1	0
<i>Lycaste virginalis</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Zygocaste</i> [Zcst.] <i>Van Belle</i>	Sanders	1945	0	0
<i>Z. Blackii</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Zygopetalum</i> . B. G. White	R. Strauss	1957	33	8
<i>Z. Blackii</i>	<i>Z. crinitum</i>	<i>Z. John Banks</i>	Wyld Court	1975	25	3
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Promenaea</i> [Prom.] <i>xanthina</i>	<i>Propetalum</i> [Pptm.] <i>Mathina</i>	Neville Orchids	1976	9	8
<i>Otostylis</i> [Ost.] <i>brachystalix</i>	<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Zygostylis</i> [Zsts.] <i>Aphrodite</i>	George Black	1976	0	0
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Chaubardia</i> [Chau.] <i>heteroclita</i> (syn. <i>Huntleya heteroclita</i> )	<i>Zygobardia</i> [Zbd.] <i>Chet Goddard</i>	Casa Luna	1979	0	0
<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Promenaea</i> [Prom.] <i>xanthina</i>	<i>Propetalum</i> [Pptm.] <i>Stepping Stone</i>	Unknown	1985	2	0
<i>Z. John Banks</i>	<i>Zygopetalum</i> . B. G. White	<i>Z. Titanic</i>	Adelaide	1986	38	7
<i>Pabstia jugosa</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Zygopabstia</i> [Zba.] <i>Judith Phillips</i>	Great Lakes	1988	5	5
<i>Zygopetalum</i> [Z.] <i>Helen-Ku</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. Artemis</i>	Dr. B.C. Berliner	1988	1	0
<i>Zygopetalum</i> [Z.] <i>Artur Elle</i>	<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Z. Bayswater</i>	R. Tucker	1991	0	0
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. John Banks</i>	<i>Z. Gary Baker</i>	Baker & Chantry	1993	3	0
<i>Zygopetalum</i> . B. G. White	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. River Murray</i>	Adelaide	1993	5	5
<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Warrea</i> [Wra.] <i>warreana</i>	<i>Zygowarrea</i> [Zwr.] <i>MacWarry</i>	JEM	1995	1	1
<i>Zygoneria</i> [Zga.] <i>Dynamo</i>	<i>Zygopetalum maculatum</i> ( <i>Zygopetalum bolivianum</i> )	<i>Zygoneria</i> [Zga.] <i>Kings Park</i>	C. Halls	1998	10	0
<i>Z. Titanic</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. Lois</i>	W. Fisher	1999	2	0
<i>Propetalum</i> [Pptm.] <i>Hiawatha</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Propetalum</i> [Pptm.] <i>Lise Gobeille</i>	Dr. B.C. Berliner	2000	1	5
<i>Z. Titanic</i>	<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Z. Bon Voyage</i>	Cal Orchid	2001	0	0
<i>Zygopetalum</i> [Z.] <i>Syd Monkhouse</i>	<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Z. Solana</i>	H. Rohrl	2001	0	0
<i>Z. Millie</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. San Dieguito</i>	L. Batchman	2003	1	0
<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Pescatoria</i> [Pes.] <i>ecuadorana</i> ( <i>Bollea ecuadorana</i> )	<i>Zygotoria</i> [Zgt.] <i>Paul R. Weissich</i>	B. Southwood	2007	0	0
<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Pabansia</i> [Pbn.] <i>Eva's Blue Amazon</i>	<i>Tsubotaara</i> [Tst.] <i>Eva's Lágrima Polar</i>	Orquídeas Eva	2007	1	0
<i>Zygopetalum intermedium</i> ( <i>Z. maculatum</i> )	<i>Z. Blackii</i>	<i>Z. Seagulls Landing</i>	R. Tucker	2013	2	1
<i>Z. Artur Elle</i>	<i>Zygopetalum mackayi</i> ( <i>Z. maculatum</i> )	<i>Z. Mack Elle</i>	Mukoyama	2015	1	0
<i>Hamelwellsara</i> [Hmwsa.] <i>Aussie Quest</i>	<i>Z. maculatum</i>	<i>Hamelwellsara</i> [Hmwsa.] <i>Pacha Mama</i>	Santa Barbara	2021	0	0

## References

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