

Gomesa

Type species *Gomesa recurva*

Gomesa is a genus of small plants with pale, yellow green, fragrant flowers. The genus is closely allied to *Oncidium*. Both two genera can be separated on flower characteristics, especially in the lip.

Vegetatively these sympodial epiphytes are similar to some of the *Oncidium* species and are often confused by the amateur. The pseudobulbs are almost elliptical and flattened, up to 4 inches long and are closely arranged on the rhizome.

Each pseudobulb is subtended by several leafy bracts and has two leaves at its apex. The soft, arching leaves may be to 12" long and 2" wide. The short, curved inflorescence arises from the base of the pseudobulb. Each inflorescence will contain upwards of 25 small, fragrant flowers subtended by small, leafy bracts. (Sheehan 1978).

The lateral sepals are united at the base. The simple or trilobed lip, hinged to the column base, has erect side lobes (some arched over the callus), and a curved or spreading midlobe with complex to simple concave basal calli. The flowers have a slender, straight to curved, footless column, and there are two pear-shaped waxy pollinia. The caudicles are small, and the viscidium oval. (Alrich and Higgins 2017).

The three sepals of *Gomesa* are alike in size and color. The dorsal sepal is erect and free. The two lateral sepals are fused for almost half their length. The short, three-lobed lip is curved.

Gomesa was recently expanded by M.W. Chase and N.H. Williams to include many former *Oncidium* species. Morphology, particularly the angle of lip attachment to the column, has historically been the fundamental character used in establishing generic limits in the subtribe Oncidiinae. But today, the vegetative and a few floral/inflorescence characters link these taxa with a mainly Brazilian distribution. (Alrich and Higgins 2017).

Names	Progeny F1/Total	FCC	AM	HCC	JC	AD	AQ	CCE	CCM	CHM	CBR	CBM	Total	Strengthen	Weakness
<i>Gomesa radicans</i>	1/2							6	18		1		25		
<i>Gomesa imperatoris-maximiliani*</i>	109/490		6	8	1				4				19	fullness, especially petals, darkness, could get rid of the lip notch	
<i>Gomesa varicosa*</i>	111/629		6	4	1					2			13	Solid yellow color, ample lip, wide lip dominant	
<i>Gomesa forbesii*</i>	74/602		12	5			1		1				19	Dominant shape, especially wide lip	
<i>Gomesa echinata</i>	36/46								7	1	1		9	Can enhanced marking on segments	
<i>Gomesa croesus</i>	4/4		2	1	1				2	1			7		
<i>Gomesa colorata</i>	0		2	1					2	1	1		7		
<i>Gomesa praetexta</i>	5/40		2	1						1			4		
<i>Gomesa sarcodes*</i>	47/126		1	6					2				9	random spotted on lip, it seems dominant patterns	
<i>Gomesa crispa*</i>	20/22		1						4	1		1	7	Nice arrangement	
<i>Gomesa longipes</i>	3/4			1					7				8		
<i>Gomesa concolor*</i>	39/119		5		1				2				8	imparting enhanced yellow color	
<i>Gomesa recurva</i>	16/18			1	1				2	1			5		
<i>Gomesa pubes</i>	4/4		1						1	1			3		
<i>Gomesa marshalliana*</i>	54/521		2	2					1				5	Branching, displayed arrangement	
<i>Gomesa gardneri</i>	3/46		1	1					1	1			4		
<i>Gomesa flexuosa*</i>	54/211								2	1	1		4	Nice arrangement	
<i>Gomesa viperina</i>	15/46		2					1	3			1	7		
<i>Gomesa comigera</i>	1/2								1	2		2	5		
<i>Gomesa spiloptera</i>	14/17		3	1	1							1	6		
<i>Gomesa micropogon</i>	5/5		2	2					1			1	6		
<i>Gomesa lietzei</i>	3/4			1					1	1		1	4		
<i>Gomesa venusta</i>	1/1			2							1		3		
<i>Gomesa cuneata</i>	0								1		1		2		
<i>Gomesa dasytyle</i>	15/137								1				1		
<i>Gomesa gravesiana</i>	7/20			1									1		
<i>Gomesa novaesae</i>	2/2			2						1			3		
<i>Gomesa ciliata</i>	1/1			1					1		1	2	5		
<i>Gomesa widgrenii</i>	0										1		1		
<i>Gomesa longicornu</i>	3/3								1	1	1	1	4		
<i>Gomesa pulchella</i>	3/4											2	2		
<i>Gomesa fuscopetala</i>	0									1			1		
<i>Gomesa uniflora</i>	0								2				2		
<i>Gomesa bifolia</i>	25/27			1	1							1	3		
<i>Gomesa brasiliensis</i>	2/2									1	1		2		
<i>Gomesa cruciata</i>	1									1		1	2		
<i>Gomesa welteri</i>	0		1							1	1		3		
<i>Gomesa insignis</i>	11/27				1								1		
<i>Gomesa gomezoides</i>	1/1			1							1		2		
<i>Gomesa macronyx</i>	1/2		1						1				2		
<i>Gomesa Silvana</i>	1/1									1			1		
<i>Gomesa x lita</i>	1/1									1	1		2		
<i>Gomesa barbata</i>	12/12										1		1		
<i>Gomesa pectoralis</i>	4/10										1		1		
<i>Gomesa ranifera</i>	2/2										1		1		
<i>Gomesa riograndensis</i>	1/1									1			1		
<i>Gomesa barkeri</i>	0											1	1		
<i>Gomesa discifera</i>	0									1			1		
<i>Gomesa eleutherosepala</i>	0											1	1		

References

- Alrich P. and Higgins W. 2017. *Gomesa*. *Orchids*. Vol (86) 3. 180.
- Sheehan Tom and Marion. *Orchid Genera, Illustrated*, *Gomesa*. *American Orchid Society Bulletin*. Vol. 47(1) 14.