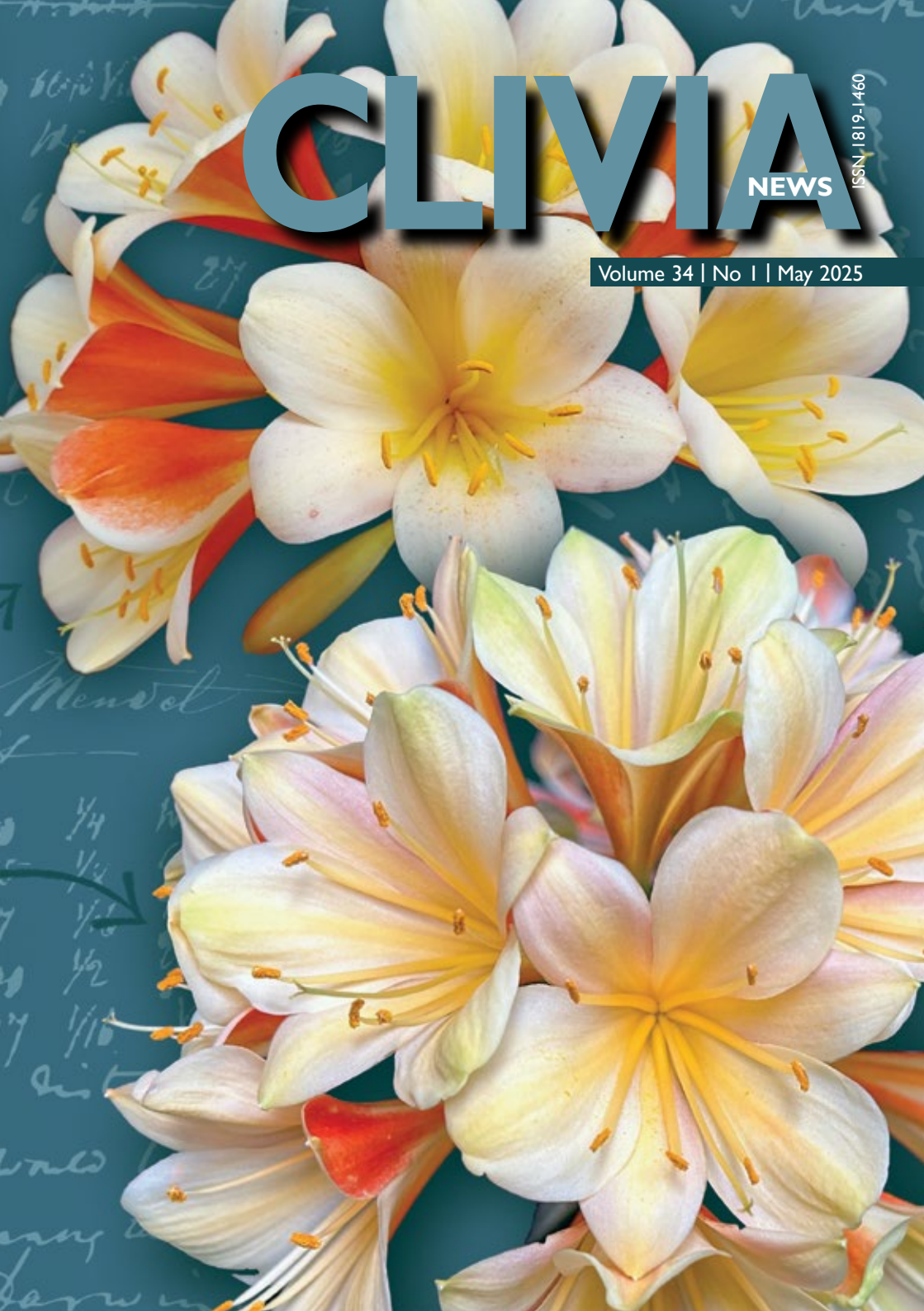


CLIVIA



NEWS

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Editorial

"In this issue, readers are treated to a blend of content that reflects the richness of our Society. You'll find reports from regional shows, full of beautiful and unusual plants, profiles of passionate growers whose stories inspire, and expert reflections on the science and art of Clivia breeding."

The Clivia News newsletter is much more than a collection of articles - it's a reflection of the living pulse of the Clivia Society. It binds our community together across continents and generations, offering a window into the passion, creativity, and expertise that define our shared love for these extraordinary plants at this point in time. It celebrates the achievements of members, chronicles the excitement of shows and breeding triumphs, and creates a space where newcomers and seasoned growers alike can connect, learn, and be inspired.

In this issue, readers are treated to a blend of content that reflects the richness of our Society. You'll find reports from regional shows, full of beautiful and unusual plants, profiles of passionate growers whose stories inspire, and expert reflections on the science and art of Clivia breeding. Whether you are drawn in by the detailed club reports, the contacts or information provided, or the deep dive into the genetics of flower colour, there is something here for everyone. Please pay special attention to the information about the photographic competition on page 51 – start preparing your entries!

We are excited to feature the history and breeding outcomes of two exceptional plants—*Strawberry Cheesecake* and *Lucky Girl*. These cultivars are not only the stunning results of thoughtful breeding, but also examples of what dedication and vision can achieve. Fittingly, the front and back covers of this issue showcase the original plants and their progeny, set against a backdrop of handwritten notes by Gregor Mendel and Charles Darwin—two pioneers whose insights into heredity and the diversity of nature continue to illuminate our understanding today. This imagery captures the wonder and privilege of working with nature's gift of diversity in our plants, where passion meets creation in every new bloom.

We hope this issue brings you insight, joy, and renewed inspiration as we celebrate the diversity and beauty of Clivia. May it encourage each of you to keep growing, sharing, and exploring.

The Publications Committee



FRONT & BACK COVER: Selected from photos of articles included in the newsletter

The *Clivia* Calendar

(based on Southern Hemisphere growing conditions)

Carrie Kruger - Utopia Clivias

A brief summary of tasks to be completed during the summer period of November to February and the autumn period from March to May.

NOVEMBER TO FEBRUARY:

1. Feeding and treating your Clivias:

After the flowering season, we feed and treat our plants with a liquid feed, a systemic insecticide, and a fungicide into the soil. This lasts for about 6 to 9 months and keeps all pests and diseases at bay.

2. Regulate temperatures and water Clivias:

During these hot summer months, it is crucial to keep your shade houses cool and your plants moist, but not overwatered. Heat and moisture can cause fungus and root rot problems.

3. Keep an eye out for stem and root rot:

A regular spray around the roots with either hydrogen peroxide or a contact fungicide can keep rot and fungus at bay.

MARCH TO MAY:

1. Protect your growing seeds:

Stake and enclose your seed heads now to protect them from breaking and falling off. We use veggie nets with great success.

2. Planting out seedlings:

Once temperatures start cooling down in March, it is safe to plant out 1- and 2-year-old seedlings from trays to single or community pots.

3. Potting on:

Seedlings and plants can also be potted into larger pots before temperatures become too cold again.

4. Dividing and transplanting:

In the warmer parts of the country, Clivias can be divided or transplanted at any time during the year without detrimental results. We have found autumn to be the best time to divide our mother plants and replant offsets. 🌸





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FOR THE BEGINNER**Optimal success with seed germination****Gianpaolo Gilardi**

During my clivia journey over the course of the last 16 years, there are two key parts of the year that cause great excitement.

Firstly, when the *Clivia miniata* start pushing buds in August and then the wait begins to see the buds develop and open. Secondly, when the seed lists are released mid-February onwards, I eagerly await the seed arrival June onwards. The question has often been posed is it worth buying seed? The answer is an overwhelming yes, but it is about buying the right seeds from the right crosses.

So, once we have purchased precious seeds or harvested from our own plants, we need to ensure successful germination, there are a number of factors that influence successful germination.

Seed Viability: It is important to harvest seeds or buy seeds that have been harvested at optimal ripeness. Clivia seeds are also recalcitrant in nature, so they do not store well, meaning they need to be sown as fresh as possible for optimal results.

Environmental Factors Influencing Seed Germination: For successful seed germination and seedling growth certain environmental conditions are required.

Moisture: It is essential that water be available in adequate amounts to initiate the physiological and biochemical processes within the seed that result in activation of the embryo growth. Once germination has taken place the seed must not be allowed to dry out but also must not be too wet to avoid the chance of rot.

Temperature: The temperature can influence the percentage and rate of germination. Clivia seeds germinate best at temperatures ranging from 21-24 degrees, germination will be a lot faster if there is little fluctuation in that temperature range.

Aeration: Respiration rates are high in germinating seeds, which thus require adequate oxygen. The usual amount is around 20%, if the concentration is decreased the germination rate of seeds is diminished. In growing media that are overwatered and drain poorly, the soil pore spaces may be filled with water and the amount of oxygen



Figure 1. Pot of germinating seeds



Figure 2. Healthy seedlings after a successful germination

available to the seeds becomes limited, resulting in poor to no germination.

Pathogens: Carefully open the berries and remove the soft, fleshy pulp and any loose membranes surrounding the seeds. Ensure that all the membrane is removed to ensure you limit the chance of fungal infections. Wash the seeds with a weak solution of dishwashing liquid and water or a soluble fungicide to prevent fungal infections.

Germination Media: For pathogen-free germination and growth media it is suggested to use the following or a combination of Coco-Coir, Peat Moss, Perlite, Vermiculite, Silica Sand, Sphagnum. Considering all the factors should ensure excellent results and germination rates. 🌸

CLUB ACTIVITIES**Toowoomba Clivia Society Inc. Show
Marshall's Report****Greg Anderson**

Firstly, I would like to congratulate all members involved in what was another successful show for 2024. This year we were faced with a very early flowering season, but the display was a credit to exhibitors. The exhibitors who went out of their way to find additional plants for displaying should be congratulated. Last year I said that one of my goals was to get more members involved in exhibiting plants and it was very pleasing to see how far we advanced in that area this year. Congratulations to all those first-time exhibitors.

Thanks to our display coordinators who devoted their Thursday morning to setting up the display and to all those members involved as worker bees both before and after the show. Widespread participation is important

to the future of the club. I'd also like to give a shoutout to those who manned the till and the entry door. Without mentioning names, I felt those of you who took on those tasks went above and beyond the norm this year and your efforts were very much appreciated.

The Friday rush hour generally catches us a bit on the hop, but this year exceeded anything we have seen before. As I have said previously, when people go away disappointed because they can't find what they were looking for, they either don't come back at all or they come back earlier the next year, and we get this compression of demand into Friday morning. I doubt there is much we can do to ease that pressure beyond making every effort to supply a wide range of colours in our flowering plants throughout the whole of the show. This is, of

THE KEVIN WALTERS MEMORIAL, POPULAR VOTE, TROPHY WINNERS FOR 2024



Código Blanco (Tequila strain). The Kevin Walters Memorial Trophy, popular vote winner.
Exhibited by Andrew Kajewski

Joy Hoffman. Second place, popular vote winner. Exhibited by Andrew Kajewski

course, a difficult challenge as we cannot be certain of the likely demand from year to year.

Once again, congratulations to all involved and I look forward to discussing ways to improve the show as a benefit to all. Bring your ideas along to the April meeting in 2025 so that we can have a full and open discussion and be well prepared by September. 🌸



THERE WAS A THREE-WAY TIE FOR THIRD PLACE IN THE POPULAR VOTE THIS YEAR



Gunston x Crown Prince.
Exhibited by Greg Anderson



Pink European Peach.
Exhibited by Andrew Kajewski



Arisa x Super Nova.
Exhibited by Greg Anderson

Cape Clivia Club 2024 Spring Show

Cape Clivia Club Management Team

Our 2024 annual Show was held at DF Malan High School Hall, Bellville on Saturday 28th and Sunday 29th of September 2024. We started setting up on Thursday morning, 26th September and requested members to bring their plants during

the afternoon for benching to be ready for judging on Friday morning 27th September. We were a bit concerned that we would not have enough plants due to the ongoing bad weather and plants flowering late. However, 246 plants in 41 classes were benched.



Show 2024 Winners



Best On Show – Frans Mouski

The Cape of Storms lived up to its name which adversely affected attendance. On Saturday we had 356 visitors with most of the visitors attending in the morning. Sunday was really stormy and we only had 202 visitors. It was rather disappointing after all the effort that was put in.

Karl Rost, Daniël Pretorius and Liz Boyd were our visiting Judges and André Swart our Club Judge. Learner Judges were Dave Garriock, Marcel Kok and Belinda du Rand. 🌺

OUR SHOW WINNERS WERE:

Best on Show	Frans and Elise Mouski
First Runner Up	Leon Blom
Second Runner up	Wouter Conradie
Best Own Breeding	Simon Walker
Best Single Flower	Sophia Agenbag
Best Peach	Frans and Elise Mouski
Best Leafs	Pieter Brand
People's Choice	Pieter Brand





Best Single Flower – Sophia Agenbag



Best Own Breeding
– Simon Walker



Best Leaf –
Pieter Brand



Sean Chubb
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Eastern Province Clivia Club Annual Report 2024

Eastern Province Clivia Club Management Team

General

The EPCC had a great 2024. The club shed a few members but grew back to 41, a bit more than in 2023. Our members'

Whatsapp group is active and allows limited advertising between members.

We had a well-attended show (414 visitors) at the Fairview Sports Centre in Port Elizabeth on 4-6 October 2024. We showed 52 plants in 13 categories. The Port Elizabeth season is extremely variable – in 2023 our plants had almost all flowered by the date of the show, and in 2024 we had lots of flowers a month after the show.

We were fortunate to have Carrie Kruger as our judge – she visited with her son Luke. Our veteran- and life member Willie le Roux again hosted the talks around the clivia cultivation table, which were well attended. Four new members signed up at the show.

Four growers had seller's stalls at the show. We sold 216 raffle tickets. Plant prizes were donated by Glen Miles, Charl Coetzee and Emile Hallaby and



Interspecific – Winner – Judge's personal choice –
Dean Swanepoel



Trophy table: From left to right – Best On Show 2 – Best On Show 1 – Best On Show 3 – Public choice



Winner – Best on show First – Miniata Orange -
Charl Coetzee



Winner – Best species on show and Winner
Best on show Third – Tremaine Wesson



Willie le Roux – Cultivation talks



Carrie Kruger (Judge) and
Charl Coetzee

WINNERS SECTION			
CATEGORY		OWNER	IDENTIFIED BY
A	Miniata Orange	Charl Coetzee	07/A/1
B	Miniata Yellow	Reg Phelan	03/B/1
C	Miniata Red/Dark orange	Lester de Beer	08/C/1
D	Miniata Pink	Richard Johnstone	09/D/1
E	Miniata Peach	Reg Phelan	03/E/1
F	Miniata Green	Willie le Roux	01/F/1
G	Miniata Bronze	Willie le Roux	01/G/1
H	Miniata Multitepal flower	Richard Johnstone	09/H/1
I	Miniata Variegated	Emile Hallaby	04/I/1
J	Miniature	Tremaine Wesson	05/J/1
K	Any pendulous species in flower	Tremaine Wesson	05/K/1
L	Interspecific hybrid in flower	Dean Swanepoel	02/L/1
M	Beginner	None	No entries
N	Any other not classified above	Reg Phelan	03/N/1
ADDITIONAL CLASS FOR 2025 > PASTEL, APRICOT & SALMON CHANGE MINIATA VARIEGATED TO > ANY VARIEGATED FOR 2025			
CLASS		CLASS WINNER OWNER	IDENTIFIED BY
1	Best on show First	Charl Coetzee	07/A/1
2	Best on show Second	Reg Phelan	03/E/1
3	Best on show Third	Tremaine Wesson	05/K/1
4	Judge's personal choice	Dean Swanepoel	02/L/1
5	Public choice	Reg Phelan	03/E/1
6	Best species on show	Tremaine Wesson	05/K/1

we had a great hamper again as a fourth prize from Greenfingers. Thank you all!

As an add-on to the show Pieter Brits supplied more than a hundred small bags of compost which were handed out to the first 50 visitors each day, with their packs of seeds and a yellow seedling supplied by Henri Viljoen.

Pieter also supplied ~120 20L bags of compost which the club sold at a small profit.

Our 2025 *Clivia miniata* show is booked for 3, 4 and 5 October 2025 and we are planning to have a small interspecific exhibition on 19 July 2025. 🌸



EPCC Mini Variegated

Free State Clivia Club Spring Show

Free State Clivia Club Management Team

Our 2024 show was held during the weekend of 20 to 22 September at the Fleurdal Mall.

There were 123 plants exhibited by nine club members. Leon Blom from Cape Town was the judge and he was assisted by learner judge Dave Garriock, the Clivia Society Chairman. They were accompanied by our Clivia Society treasurer, Clayton Jonkers.

The standard of the show was exceptionally high this year. The flowering season was in general special, with an abundance of flowers all over. This followed a very cold winter with black frost.

Our club has a stable number of members and is gradually improving the quality of our Clivia. We held our first official interspecies show this year. The interest in interspecies is also increasing and we hope that the trend will continue in future.

It is impossible to determine the exact number of members of the public that attended the show. Hundreds of people do their shopping in the mall and visit the show area while they are there. The advantage was that many of the public saw Clivia flowers for the first time and as a result impulsively bought plants.

The management of Fleurdal Mall was very accommodating. They assisted with the promotion and financial aspects of the show.

The Best on Show was exhibited by Cora de Kock, a beautiful picotee. The First Runner-up

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The Best on Show was exhibited by Cora de Kock, a beautiful picotee



The First Runner-up was a special green flower exhibited by Hennie van der Mescht



Sarie and Carel van der Merwe exhibited the Best Leaf Plant and Exquisite Flower on show



Sarie and Carel van der Merwe won the Second Runner-up place with a bronze

was a special green flower exhibited by Hennie van der Mescht.

Sarie and Carel van der Merwe won the Second Runner-up place with a bronze, and also exhibited the Best Leaf Plant and Exquisite Flower on show. The Best Own Breeder Plant was exhibited by Andre du Toit.

Sarie van der Merwe was the show manager and she and her team did exceptionally well in setting up and the running of the show. We held a social function on the Friday night of

the show and were privileged with the attendance of Leon Blom, Dave Garriock and Clayton Jonkers. Dave Garriock addressed the gathering on the problems experienced concerning *Clivia mirabilis*. Everybody agreed that Clivia in habitat are seriously under threat. 🌺

Garden Route Clivia Club: A Spectacular Showcase of Nature's Treasures

Garden Route Clivia Club Management Team

The Garden Route Clivia Club is proud to reflect on a highly successful season of showcasing the unparalleled beauty of *Clivia miniata*, the crown jewel of

South Africa's indigenous lilies. This year's exhibitions were nothing short of breathtaking, with each event serving as a tribute to the elegance and resilience of these beloved plants.

For the first time, the Club hosted its primary *C. miniata* show at the magnificent Garden Route Botanical Gardens. Nestled in the heart of the Garden Route, the Gardens provided the perfect backdrop for the event, with its lush landscapes and serene atmosphere complementing the vibrant hues of the Clivias on display. The setting elevated the event,

drawing nature lovers and Clivia enthusiasts from near and far to marvel at these botanical masterpieces.

But the season didn't end there. The Club introduced a Grand Final Show in Wilderness, a celebration designed specifically for the late bloomers—those Clivias that hold off their stunning displays until the very end of the season. Held in this picturesque seaside town, the event was a roaring success. The vibrant Clivias stood out against the backdrop of Wilderness's natural beauty, drawing visitors who were

captivated by the diversity and splendor of these flowers.

Both events were a testament to the dedication and passion of the Garden Route Clivia Club

This year's exhibitions were nothing short of breathtaking, with each event serving as a tribute to the elegance and resilience of these beloved plants.



Leon van Rooyen Jn and David Norval displaying their winning plants



From left to right: David Norval, Willie Freund, Ricky and Noelia Jardim

members, whose efforts ensure that the beauty of the *C. miniata* is celebrated and preserved for generations to come.

We extend our heartfelt thanks to all exhibitors, visitors, and supporters who made these shows

possible. Your enthusiasm fuels our mission to promote and protect South Africa's floral heritage. Keep an eye on our newsletter for future events and initiatives—we look forward to seeing you at our next gathering! 🌺

The complex block features a collage of Clivia miniata flowers. The top row consists of four small, square images showing different flower varieties with orange and yellow petals. The bottom left is a large, rectangular image of a single flower with prominent orange and yellow petals. To the right of these images is a light green rectangular area containing the 'clivaria' logo, contact information, and a tagline.

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Joburg Clivia Club Spring Show 2024

Glynn Middlewick

Our annual Spring Show is the highlight of the Joburg Clivia Club calendar. The date of 14-15 September, later than usual, brought with it the concern for the availability of flowering plants for the sales and display tables.

The Joburg Clivia Club held their show at the Garden World Nursery for the twentieth time this year. Major changes are taking place at the nursery now with new owners buying the nursery at the end of August, so we will have to wait and see what is available in 2025.

The show was advertised via the Nursery website and by boost adverts on Facebook. The members themselves also use their email contacts to promote the show. Fortunately, the Joburg Show is popular for plant sales, so we managed to fill our allocated 30 stalls with ease.



Joburg Clivia Club 2024 – 'Best on Show' –
Floral division, Pieter Saayman and Michael Holt



Joburg Clivia Club Show 2024 – Stall plants waiting for buyers!



Joburg Clivia Club Show 2024 – ‘Second Best on Show’ – Floral division, Pieter Saayman and Michael Holt



Joburg Clivia Club Show 2024 – ‘Third Best on Show’ – Floral division, Francois van Rooyen



Joburg Clivia Club Show 2024 – ‘Unusual Flower beauty’ – Roux Botha.



Joburg Clivia Club Show 2024 – ‘Second Best on Show’ – Foliage division, Cora van Heerden



Joburg Clivia Show 2024 – ‘Third Best on Show’ – Foliage division, Marius Volschenk



Joburg Clivia Club Show – 2024, ‘Best on Show’ – Foliage division, Liz Boyd

We request our stallholders to enter at least 3 plants per stall on the Show tables. The Joburg Club charges the stall holders a fixed fee for the stalls, an arrangement that suits both the Club and the Stall Holders. The display area for the exhibition plants was filled with a broad variety of colour and quality plants, thanks to the stallholders and interested members.

The number of visitors to the show this year totalled 1100 persons and we charge R20 per adult person. The nursery provides food and drinks for the hungry stall holders and visitors.

Anyone that has made the effort to enter plants on the Show benches would know that

the time spent in cleaning a suitable plant, transporting these plants to the Show without damaging the leaves or the flowers is a major challenge. The award for the most points achieved from Show entries at our Show this year was awarded to Cora van Heerden. Cora together with her husband Dawie have been loyal supporters of the Joburg Show since we first started. The winners this year of the Best on Show – Floral division, for the fourth time were Pieter Saayman and Michael Holt. These two also managed to win the award for the 'Second Best on Show' – Floral division. The 'Third Best on Show' – Floral division, was won by Francois van Rooyen.

Anyone that has made the effort to enter plants on the Show benches would know that the time spent in cleaning a suitable plant, transporting these plants to the Show without damaging the leaves or the flowers is a major challenge.



'Highly Commended' –
Roux Botha – 'Most envied flower'

The Foliage division was won by Liz Boyd with a superb, variegated plant. The 'Second Best on Show' – Foliage division was won by Corra van Heerden. The 'Third Best on Show' – Floral division was won by

Marius Volschenk.

The 'talk of the Show' this year was the interspecific plant entered by Roux Botha, receiving the 'Highly Commended' award. This flower had all Clivia collectors wanting part of it – the plant, the pollen, photos, the seeds, the next offset. A truly remarkable and unique colour with no known breeding history.

A big thank you to all the helpers that ensured the success of the Show this year. 🌺

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**Michael Holt
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KwaZulu Natal Clivia Club Spring Show 2024

Kwazulu Natal Clivia Club Management Team

The KZN CC Spring Show took place on Saturday 21 September 2024. Inclement weather was predicted, but little did we expect the severity - not the best weather for a show. Thank you to Sean and Terri Chubb for making the venue available and their hospitality.

Pieter Saayman and George Mann kindly agreed to be Show Judges and arrived on Friday the 20th from Pretoria, accompanied by Michael and Joan Holt. They luckily escaped getting stuck in the snow at Van Reenen's Pass.

Benching commenced Saturday morning, followed by the judging by Pieter and George. They were accompanied and assisted by Learner Judges, Jean Luc Bestel, Kate Oosthuis and Christo Swart.

Congratulations to all the winners and thank you to the Judging Team for a job well done. 🌺



Best on Show: Kate Oosthuis



Best Novice: Simon Chubb



Above: 2nd Runner Up: François Van Rooyen



Right: 1st Runner Up: Sean Chubb and most points

Lowveld Clivia Club Spring Show

Sue Kloeck and Morne Dorfling

I want to extend my heartfelt thanks to everyone who made this year's Lowveld Clivia Show such an incredible experience. Cindy and I were unable to host this year's Clivia Fair, and your dedication to the club and the show has not gone unnoticed.

A special thanks to our show manager, Greg Jones, and to our show stewards, Hendrik

THE FINAL RESULTS WERE AS FOLLOWS:

Best on Show	Ian Radmore (Yellow)
1 st Runner Up	Paul and Sue Kloeck (Virgin Blush x Blushing Virgin X Apple Blossom)
2nd Runner Up	Paul and Sue Kloeck (ZOLLA - Salmon Green Throat)
Best on Show	Foliage section – Paul and Sue Kloeck (Light of Buddha)
Best Interspecific	Ian Radmore
Exquisite Flower	Ian Radmore



and Eduard Wentzel and Felipe Orlans. I also appreciate Henriette Korf and Sue and Paul Kloeck for your unwavering support, invaluable knowledge, and always being there when we needed you. Thank you all for your hard work and commitment!



The annual show was held on Saturday and Sunday, 14-15 September, 2024 at the Educational Centre of the Lowveld Botanical Gardens.

The show was judged by Wayne Haselau, Felipe Orlans and Greg Jones. There were 104 exhibits, shown by 6 members of the club.

There were over 240 visitors this year.

The People's Choice award went to Paul and Sue Kloeck for an eye-catching Hirao.

The 2024 Show Champions were Paul and Sue Kloeck, with 17 Gold medals and 12 Silver medals.

Thank you Sue Kloeck for compiling the Chairmans' Report. 🌸



Northern Clivia Club September 2024 Show

Northern Clivia Club Management Team

Benching and judging

The 2024 main event of the year kicked off on Thursday evening with the preparation of the show venue by the NCC Show Team at the Safari Garden Centre. Tables were moved into the venue and placed into position along with tablecloths for the plants to arrive on the next day.

Gates opened to our stall holders at 10:00 with benching opening at 11:00. The Show Master and Benchng team consisted of Michael Holt - Show Master, Elize Strumpher - Assisting Senior Judge, George Mann - Assisting Judge, as well as Renaldo Janse Van Vuuren. Dalain Malan, Duncan Mathie, Harald Fechter and Gianpaulo Gilardi (visiting from Cape Town) all pitched in as benching assistants.

Plants started arriving in large numbers with the benching team hard at work, assisting with benching forms and class placements, getting every plant into position. A staggering 287 entries were received, making it one of the best supported shows. While all this was happening,



PHOTOS PROVIDED BY GEORGE MANN

Best On Show Foliage no Flower and Winner of the Herman van Rensburg Floating Trophy for Foliage Plants was awarded to Wilbur van Wyk



Gianpaulo Gilardi, Michael Holt, -Renaldo Janse Van Vuuren, Joubert van Wyk, Hendrik Botha, Danie Pretorius, Pieter Saayman, Dalain Malan, Joan Holt, George Mann, Oosie Strydom, Wayne Haslau



The Geoff Meyer Floating Trophy for the Best Yellow Flowering Clivia on show, Barney Badenhorst



Best Interspecific/Pendulous on Show was awarded to Bronwyn Engelbrecht, pastel multipepal interspecific



The Bertie and Erda Guillaume Floating Trophy for Best Orange Flowering Clivia on Show Corra and Dawie van Heerden



Best On Show Foliage no Flower and Winner of the Herman van Rensburg Floating Trophy for Foliage Plants was awarded to Wilbur van Wyk, small compact Daruma

our Chairman, Professor Karel Stanz, was hard at work managing the show terrain and getting all stallholders into position, as well as getting the Club Stand organized, along with Johanita Snyman and Maggie Webster.

Some beautiful plants were also donated for Raffle. A selection of rarities for the Auction were open for viewing as one came into the show hall. Benching closed at 17:00, after which it took around an hour to get all plants into position on

PHOTOS PROVIDED BY GEORGE MANN



PHOTOS PROVIDED BY GEORGE MANN

First Runner Up Foliage No Flower went to Cora van Heerden, very large, well-groomed broad leaf

Left: Second Runner Up Foliage No Flower went to George Mann for a Japanese Akebono variegated



First Runner up to Best on Show Pieter Saayman and Michael Holt, Best on Show and winner of the Lotter Floating Trophy, Pikkie and Pikkie and Elize Strumpher, Second Runner up To Best on show Pikkie and Elize Strumpher

the benches and ready for judging to commence. This was the first year that the NCC implemented the changes to its show classes agreed to at the NCC AGM in 2023. These were well received by both members and judges present, providing more clarity where certain colour patterns are concerned.

The judging teams split up into two groups, one group consisting of Danie Pretorius, Paul Kloeck, Hendrik Botha, Dalain Malan as Benching Steward. Part of this team was Wayne Haslau, who travelled all the way from Morgans Bay and passed as a Society Judge. Well done, Wayne!

The second group consisted of Joubert van Wyk, Pieter Saayman, George Mann, Oosie Strydom with Renaldo Janse Van Vuuren assisting as Steward.

All Floral arrangements were judged by Joan Holt.

The winners

The winners were selected and crowned with winning regalia. The NCC has also brought back its trophies, honouring their historical importance and their significance.

Second Runner up To Best on show was awarded to Pikkie and Elize Strumpher with a magnificent picotee.

First Runner up to Best on Show was awarded to Pieter Saayman and Michael Holt for a large apricot with a well-rounded umbel.

Best on Show and winner of the Lotter Floating Trophy went to Pikkie and Pikkie and Elize Strumpher for a magnificent green throated Peach.

The Second Runner Up Foliage No Flower went to George Mann for a Japanese Akebono variegated.

First Runner Up Foliage No Flower went to Cora van Heerden with a very large, well-groomed broad leaf.

Best On Show Foliage no Flower and Winner of the Herman van Rensburg Floating Trophy for Foliage Plants was awarded to Wilbur van Wyk with a striking small compact Daruma.

The Best Interspecific/Pendulous on Show was awarded to Bronwyn Engelbrecht for a beautiful pastel multitepal interspecific.

The Bertie and Erda Guillaume Floating Trophy for Best Orange Flowering Clivia on Show was awarded to Corra & Dawie van Heerden.

And lastly the Geoff Meyer Floating Trophy for the Best Yellow Flowering Clivia on Show was awarded to Barney Badenhorst.

There were too many other spectacular plants on show to mention all. Thanks to each and every exhibitor that made this show such a success. All and all there were 287 plants, including 197 flowering plants, 56 foliage plants, 10 interspecifics, 9 in special classes and 8 floral arrangements.

The public show

Gates opened at 09:00 and the customers started streaming in, with a total of 1220 who attended the show over the two days. There were a total of 23 stall holders and five Club Stalls. Also a huge thank you to Carel, Keagan, Abby and Marius for assisting as ticket sellers over the show weekend. As always, many spectacular plants found a new home.

The evening events kicked off with watching a rugby match in the Safari Bar, followed by the prize giving ceremony, accompanied by a certificate, a handshake and a photo. A huge assortment of platters were provided for dinner, followed by a very successful Auction. Thanks must go to Dalain Malan and Michael Holt for organising the plants for auction, including, for the first time, a colour catalogue to members for the plants on Auction. Cobus Roos once again was willing to offer us his services as NCC auctioneer free of

Thanks to each and every exhibitor that made this show such a success. All and all there were 287 plants, including 197 flowering plants, 56 foliage plants, 10 interspecifics, 9 in special classes and 8 floral arrangements.

charge. Thanks, Cobus, Dalain and Michael.

Sunday, as usual, was a slower and more relaxed day. The show ended at 15:00 after which the cleanup and de-benching process commenced.

The NCC would once again like to thank all attendees, club members, and judges that assisted as well as each and every exhibitor that helped in making this show such a huge success. A big thank you also goes to Safari Garden Centre for the amazing venue and for always providing a helping hand.

See you all in 2025! 🌺

Northern Free State Clivia Club September 2024 Show

Northern Free State Clivia Club Management Team

The Northern Free State Clivia Club held its annual show on the 14th September 2024 with resounding success. Stefan Ferreira and Thys Bezuidenhout took the top prizes. Congratulations to them and all the participants for putting on a splendid display of flowering Clivias and leaf plants. A total of 169 plants were entered for the show by contributing members. A total number of 194 people visited our show this year which was significantly more than last year due to vigorous marketing and advertising by the club members.



Stefan Ferreira : 'Best on Show'

Left: Thys Bezuidenhout
'Club Champion' (a New Presentation)
Most Points on Show



Plants on display in Hall.



'Stefan Ferreira '2nd Best on Show'



Steffan Ferreira "3rd Best on Show"

The steering committee and members would like to thank the community at large for supporting the show and the NFCC. We were proud to announce and welcome all the new members that have subsequently joined the club.

The NFCC would like to thank all the media groups that willingly advertised on their various platforms to make the show a memorable one. 🌺



Stefan Ferreira 'Most Exquisite Plant



Thys Bezuidenhout 'Best Leaf Plant

Clivia Show Report for RHK Miniata 2025

Karel Stanz

The Rooihuiskraal annual Spring Show (Miniata) is the highlight that starts the Miniata shows in Gauteng. Benching started on Friday, but the formal kick-off was early on Saturday, 24th August and lasted until Sunday, 25th August.

This year, the chilly weather resulted in a smaller selection of show plants, with many members bringing only a few plants to exhibit. Nevertheless, we still encountered some remarkable entries—even those that had to be

trimmed a bit were impressive enough to cut!

The plants on display were stunning. At RHK, we proudly include everyone in the judging process through our “People’s Choice” awards, ensuring that every voice is heard and valued. This year, we also welcomed guest judges to share their top picks. Corra and Dawie van Heerden won the People’s Choice Best on Show award, with Karel and Marietjie as the runners-up, and Wikus and Cobus Roos as the second runner-up.



Exhibitors at the RHK 2024 Show



Above: Corra and Dawie van Heerden with the People's Choice Best Miniata flower on the show



The plants on display were stunning. At RHK, we proudly include everyone in the judging process through our "People's Choice" awards, ensuring that every voice is heard and valued. This year, we also welcomed guest judges to share their top picks.

Left: Karel and Marietjie People's Choice 1st Runner up to Best on Show



Jan Lessing People's Choice Best Inter on Show
RHK 2024



Wikus Cobus Roos People's Choice 2nd
Runner up to Best on Show

All of their entries were exceptional! The best Inter on Show was Jan Lessing, followed by Karel and Marietjie in 1st Runner Up, and Sean Chubb as 2nd Runner Up. All entries were exceptional! Despite the colder days, we had a

beautiful selection of both stunning and valuable plants for sale, many of which found new homes in gardens. Visitor numbers were somewhat low, likely due to the weather, but we remain optimistic that this is just a seasonal dip.

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Karel and Marietjie People's Choice 1st Runner Up to Best Inter on Show



Sean Schubb People's Choice 2nd Runner Up to Best Inter on Show

We want to express our sincere gratitude to all the exhibitors and stallholders whose contributions made this show a resounding success.

A special thanks go to our gracious hosts at Laerskool Rooihuiskraal. Your dedication and involvement brought vital warmth and excitement to this chilly winter event. 🌺



CLIVIA PERSONALITIES**Grit, Guts and Determination –
A Profile of Ben van der Merwe****Sue Kloeck**

Ben van der Merwe is one of the more colourful members of the Lowveld Clivia Club. Born in Nelspruit in 1963, he grew up in the Lowveld, attending Barberton Primary, where his father was the principal, and Barberton High School, where his mother taught Biology. He was raised in a garden filled with Clivias, other flowers, and cycads, a fitting prelude to his later passion. Ben is married to Surika, a teacher at Flamboyant School in White River, and his life has been a journey of multiple careers and remarkable resilience.

Initially studying Quantity Surveying at Pretoria Technikon, he later realised that, while the skills he gained would be useful, he did not enjoy the field. His path took many turns—serving in the



army, travelling to the USA, building a school (Noah's Ark Private College in Hazyview), and even completing a BSc in Zoology. This last qualification led him to become a tour guide and establish his own safari company in the Kruger National Park.

In 2000, Ben's life changed dramatically when he was involved in a car accident that left him paraplegic. The months of recovery that followed were gruelling—Surika had to feed him for a long time before he regained some independence. Eventually, he took up the hobby of flying radio-controlled planes and drones, building a mini runway on his property in White River for them to 'land' on. After constructing his house and establishing his garden, a chance encounter with Greg Jones, a fellow member of the Lowveld Clivia Club who installed his WiFi, introduced him to the world of Clivias. Greg later invited him to lunch at Embizeni to see his Heritage Garden, originally established by his late father, Dr Tony Jones. There, Ben met Sue and Paul Kloeck. Shortly afterwards, he attended his first Clivia show at the Lowveld Botanical Gardens, an experience that left a lasting impression. He was astounded by the variety of colours, shapes, and species available—and he never looked back.

What began as curiosity quickly became an obsession. Ben started acquiring Clivias from various club members, including the Kloecks, Ian Radmore, and Neethling du Toit, and even purchased Apple Blossom seeds from Wayne Haselau. His former runway was soon transformed into a large shade house, where he carefully nurtures his plants. Whenever something special flowers, it is moved into a prime position in another section of his nursery. This area is designed with accessibility in mind—Ben moves up and down the cement pathway on his mobility scooter, stopping to pollinate plants as needed. To make pollination easier, flowering plants are brought forward so he can reach them comfortably from his scooter. He enjoys cross-pollinating with another of his favourites, always experimenting with new combinations.

When asked what motivates him, Ben's answer



is simple—he finds Clivias captivating and never tires of the process. To him, there is always something new to discover. The hobby is constantly evolving, and that's what keeps him engaged. "Clivias have a function," he says. "People enjoy them, I enjoy them, and I really like other plant people." He believes that successful breeding requires an instinctive connection with plants and that learning from experienced growers is invaluable. Without guidance from fellow enthusiasts, he jokes, "Everything would just turn out

orange!" He thrives on the active participation that comes with being part of a club, relishing the exchange of ideas and knowledge.

His advice to anyone—young or old—interested in Clivias is to find a reputable mentor to guide them. As for his own future, Ben is

determined to live for at least another ten years so he can witness the flowering of the Clivia progeny he is currently breeding. He hopes to inspire others to appreciate these remarkable plants and share in the joy of growing them. "You grow Clivias for yourself," he says, "but in the end, it becomes something that brings joy to everyone." He has his own selling groups on Facebook and enjoys sharing his passion with others. One of his most cherished plants is the red *C. robusta*, which won him his first Best on Show award in July 2024. He has also bred a variegated *C. robusta* from it—but for now, he's keeping that one a secret! 🌺

He believes that successful breeding requires an instinctive connection with plants and that learning from experienced growers is invaluable. Without guidance from fellow enthusiasts, he jokes, "Everything would just turn out orange!"

Life with a Passionate Clivia Grower

Cindy Dorfling

It's flowering season—the best time of the year for any Clivia lover. Their mood lifts, the tiny specs and tweezers come out, and nearly every plant pot sprouts a fine paintbrush. Pollination time, baby!

Morné looks like a mad scientist, specs perched on his nose, passionately explaining how the pollen from this plant, placed on that plant, will produce the most spectacular flowers... next season... hopefully... (cue the big smile). I absolutely love his enthusiasm for all things Clivia. But have you seen my house?

Every conceivable flat surface is adorned with a stunning, blooming Clivia. We don't eat at the dining table until Christmas. The fridge starts overflowing—not with food, but with neatly labelled containers of pollen. We sweep up an obscene amount of bark, sand, and fallen flowers on a daily basis. But my husband is happy, and that makes me happy.

His phone pings non-stop throughout the day—Clivia WhatsApp groups buzzing with enthusiasts sharing photos, selling plants and seeds, and planning shows and events. It's flowering season! The excitement is infectious, the obsession unfathomable. It's also

the time of year when I see my husband the least.

I became a Clivia Widow (sounds dramatic, I know). The term playfully describes the spouses or partners of Clivia enthusiasts

whose passion for the plant consumes a significant portion of their time and attention. The phrase reflects the feeling of being "widowed" by their loved one's intense devotion to cultivating, breeding, and collecting Clivias.

To all the other Clivia widows out there—don't fight it (pardon the pun), just join them!

Now, let me be clear—I have absolutely no talent for keeping a plant alive, so I don't interfere with the crucial business of growing Clivias. But I do provide a support system. I attend shows and meetings with Morné, help with admin for his nursery, and assist the Lowveld Clivia Club with marketing and other tasks.

At the end of the day, it gives us something to share and bond over. And honestly, that makes it all worthwhile. 🌺



Luke's Clivia Journey

Luke Kruger

I began my journey with clivias at a young age, assisting my mother with annual clivia shows and the Wild Oats Market on weekends, where she had a stall. This sparked a deep interest in plants. At that age, most children are not interested in plants or botany; they are more focused on spending time with friends and playing outdoors.

I used to accompany my mother to Kraaibosch Nursery in George when she went to purchase stock for her nursery. She allowed me to choose clivias that I thought would sell well and others to keep for breeding. On one occasion, I discovered a plant with a unique flower that we had to bring home. In 2005, I entered the GRCC show and won first place. From that moment on, I was captivated—and as they say, the rest is history.

Clivias—my desire, my heartache, and, ironically, my passion—have become a common topic of conversation, not only at home but even in my professional life. I can't imagine my life without them. Would I just sit at home and



KB Versi x Pink Versi

stare into space? Would I have found another passion? I could talk about clivias for hours; I just need someone who is willing to listen. Clivias bring people together through shared goals: hybridization, genetics, conservation, and more.

MY GOALS

My aim is to breed new, successful clivia lines; not just F1 hybrids and then stopping—the best traits emerge in F2 and F3 generations. Clivias require patience and time. Yes, they take years to perfect, but the outcomes are rewarding.



Left: Luke Chiba x Carrie Chiba

Below: Luke's happy place





KB yellow is x Secret Love



Luke's Orange x Emmerudo

TRUE PASSION

My passion lies in pollination. I keep detailed records and cross plants with specific results in mind. Even if the first generation doesn't meet my expectations, I persist—adjusting variables, starting over, or introducing new traits. Pollination is not simply about combining two plants.

I constantly ask myself:

- Will this cross be successful? I consider compatibility, groupings, and expected results.
- Has this been attempted before? If so, how can I enhance it? If I cannot produce something superior, is it worth pursuing?
- What is the shape, color, and potential of the flower? Will the blooms improve over time?

Some of my breeding achievements are highlighted in this article. One of the first plants I used in my breeding was a plant I named Luke's Orange.

This seedling was gifted to me by Ian Vermaak in 2009 during my early years when I started out with clivias. He gave me a whole crate full of seedlings, all carefully tagged.

Luke's Orange flowered in 2011 with extra-large, beautiful orange recurve flowers and a full umbel. The cross was Variegated orange no.21/20 (GRCC show winner) x Bronze green boy.

I performed multiple pollinations on the umbel, using pollens from Carrie's Green, Star Bronze, and Emmerudo. The results were all beautiful bronzes with full umbels and well-shaped flowers.

One plant in particular stood out, which I named Nebula (Luke's Orange x Star Bronze). I kept this plant and have since done further breeding with her. I hope to see results in the next season or two. Since then, my main breeding focus has shifted to



Luke's orange x Carries Green



Nebula

breeding interspecific clivias. I firmly believe that interspecific clivias are the future.

Clivias, my passion and retirement plan. I have generations of breeding ahead of me. The outlook for Clivia is positive, so I can only go up from here. 🌸

GENETICS & BREEDING RESULTS**Sometimes a Bud Just Speaks to You!****Michael Holt**

In our circles, it is a running joke that Pieter and I buy a lot of buds. The unfortunate reality is that, more often than not, these 'bud buys' turn out to be duds. But every now and then, the gamble pays off. This was certainly the case with Strawberry Cheesecake.

On one of our trips to KZN, we stopped in to visit Sean Chubb. As is customary, we walked through endless rows of flowering plants, taking in the splendour of thousands of Clivia hybrids in bloom. The sight was truly mind-blowing, with each flower displaying its own unique beauty. As we strolled through, we mentally marked the ones we needed to return to—just in case an even better specimen was waiting in the next row.

I sometimes think that the breeders we visit have a quiet chuckle as they watch us weave through row after row of plants, knowing that they themselves did the exact same thing earlier in the day.

After several hours, Pieter and I had selected a few plants that caught our eye, and the negotiations began. Budgets were cast to the wind, and—as is all too common when shopping for Clivias (or any plant, for that matter)—we ended up buying more than we had intended.

With the deal settled, we took one final walk through the shade houses. At 600 km from home, we had to make absolutely sure we weren't missing anything. That was when we spotted two plants, both in bud, that called us over to ponder their potential. Unfortunately, both had been moved from their original growing areas, and a quick scan of the surrounding blocks gave no clues about their breeding.

One plant had a partially opened flower bud and was tentatively identified as having Skwebezi Bi-colour breeding. The other was more of a mystery—its buds were just a day or two away from opening, but by then, we would already be back on the road to Pretoria. The soft pastel pink hue on the long, plump buds was simply too tempting to ignore.

Sean examined it carefully, Pieter took a long look, and after some deliberation, Sean said we could purchase it. He emphasised that he was uncertain about its breeding but, if we were willing to



Strawberry Cheesecake



(Sqwebezi F1 x Strawberry Cheesecake)



(Strawberry Cheesecake x 777 Envy)

take the risk, it would be expensive. A figure was given—at the time, a considerable amount for an unknown plant. But we had to have it. One quick sideways glance between Pieter and me sealed the deal.



Andrew Gibson x Strawberry CC



Strawberry CC x 777 Applefrost 1



Ruby Steward F1 x Strawberry CC



(Spun Gold x Strawberry Cheesecake)

My memory is a little fuzzy from there, but I'm fairly certain we enjoyed a cup of coffee with Sean before heading to our next appointment with Val and Roy Thurston. As we drove, Pieter and I speculated, theorised, and wondered what the buds would reveal. The anticipation made the next few days feel agonisingly slow, but with a packed schedule on our short KZN tour, time soon flew by.

When we arrived at Val's home in Kloof, she greeted us warmly and, eagle-eyed as ever, immediately spotted our purchases in the back of the car. The friendly interrogation began. Looking back, this is how I will always remember Val—her warm smile filled with curiosity, but with a determined focus to extract every detail she wanted to know. In the end, she marvelled at the Skwebezi Bi-colour and admitted that the buds looked intriguing. The rest of the day was spent in Clivia discussions, accompanied by coffee and biscuits, before we set off to our overnight stop, preparing for the long drive back to Pretoria the next morning.

By the time we got home, the first of the pastel

pink buds had opened—but with no colour inside. We assumed this was due to the flower opening in the car and placed the plant in the shade house. One by one, the buds unfurled, displaying colour only on the outside of the petals. After a day or so, the petals started to recurve. For our coastal counterparts, recurved flowers are relatively common, but in Gauteng, where we emerge from dry winters, flowers rarely do this.

Once the umbel was fully open, we sat back and considered a name. Strawberry Cheesecake seemed a perfect fit—with its soft pink top and creamy inside, it was reminiscent of the beloved dessert.

Over the years, through numerous experimental pollinations, we determined that Strawberry Cheesecake falls within the 'Splash' type mutation. In recent years, it has produced some truly remarkable seedlings, as shown in the accompanying photographs.

A quick side note: the Skwebezi Bi-colour also lived up to its promise and became known as Raspberry Cheesecake—but that's a story for another time. 🌸

Third Time "Lucky"

By Carrie Kruger

Twelve years ago, I wrote a short article about an interesting unlabeled plant obtained from a small nursery in the Eastern Cape. This article was published in Clivia News vol.22 no.4 of 2013.

At that time, we did not know where the plant originated from or what it would be compatible with. We ended the article with the phrase "only time will tell." Since then, we have flowered some of these crosses. After sharing some of these results on a Clivia group, some members encouraged me to write a follow-up article. Today, I am pleased to share some of the breeding results with this specific specimen.

The plant produced a few selfed seeds in the first year after we acquired her. Two of these selfed seeds flowered in 2012, but they were nothing special and were both sold.

When it flowered for the first time here, we pollinated her with a Super Splash to test compatibility. We only pollinated a few flowers, which resulted in mostly oranges and a few bi-colours, indicating that she was likely not compatible with the Splash group of plants.

In the following year, we pollinated her with



Lucky Girl original

pollen from a multi-coloured flower imported from Kevin Akins, a grower in the USA. This resulted in large, recurved pastel pink flowers with slightly darker outside petals. These first flowers had good umbels too. Unsure of how to proceed with this cross, we have kept them to give them another chance to flower and decide if it is a line we want to continue breeding with.

On the third attempt, we decided to pollinate her with a versi-colour interspecific plant with large flowers. We used the famous Belgium versi-colour form named QO8, bred by Dirk



Lucky 8



Get Lucky (Lucky Girl x QO8) ff 24

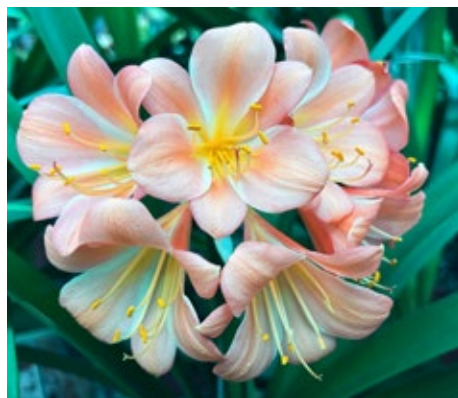
Lootens. This cross delivered the best results by far, and we are thrilled about the range of plants from this cross. They were all good versi-colours, but not only that, they were recurved, some with broad petals, and all had full umbels. We have flowered three plants from this cross and have kept all three for further breeding. Our goal is to produce large, recurved versi-colours with full umbels that are more *miniata*-like. We have named them: "Lucky



Lucky girl x Qo8 with strong versi-colour



Lucky Girl x QO8 ff 2023 Good Luck Girl



Lucky Girl x KA tricolour



QO8 Original

8," "Get Lucky," and "Good Luck Girl."

We have also used BDO genetics and Hotties Hirao on her, but have not yet flowered any of these crosses.

Since then, we have only used versi-colour pollen on her, as well as conducting some backcrosses to the mother and some sibling crosses, knowing that it works. As we all know, every Clivia generation takes between 5 and 6 years. This experiment was no different, and 16 years later, we have found the best partner for this plant. 🌸

The complexity of flower colour formation: Regulation of anthocyanin production and its relevance to flower colour in Clivia (Part B)

Bernard Slippers

BACKGROUND

In Part A of this article in September 2024 I discussed the nature of the pigments that produce the colour in Clivia flowers, namely anthocyanins (red), carotenoids (yellow) and chlorophyll (green). In particular I considered the variety of roles of anthocyanins in various tissues throughout the life cycle of the plant (not just the flowers), and their production through a series of steps in the Anthocyanin Biosynthetic Pathway. It would be useful to consult the diagram and terminology of Part A of this article to make sense of the arguments in Part B.

Very few genes are expressed all the time. Virtually all our genes are regulated so that they are only expressed when they are needed. Such regulation happens in various ways, through proteins or molecules binding to the DNA or RNA. This prevents wasteful cellular processes, which would have negative energy consequences for any organism.

The same is true for colour variations in flowers, which in most cases is the consequence of the regulation of expression of genes that underlie the production of colour pigments in certain tissues (LaFountain and Yuan 2021)). The expression of these genes and the processes they control are increased or decreased at certain times and in tissues during development.

REGULATION OF ANTHOCYANIN PRODUCTION AND COLOR FORMATION IN CLIVIA

It has often been stated that yellow plants have a mutated gene for anthocyanin production in the ABP pathway. Given the general importance of anthocyanin in plants, and its conservation in all plants, it is unlikely that these are mutations in the ABP genes that completely disable its

production. No anthocyanin production is likely to lead to developmental issues (weaker plants) and there is no evidence that yellow flowering Clivia suffer from any developmental issues. Rather, anthocyanin production is likely only suppressed in some developmental stages in yellow plants, and in these cases clearly in the leaf tissues in early development (green stems) and in the flowers.

This conclusion is supported by evidence that low levels of anthocyanin production is maintained in at least some yellow Clivia. For example, as Snyman, Spies and Viljoen demonstrated, the anthocyanin pigments are present in the yellow flowers of Group 2 yellow plants, albeit

at least 16 times lower than in a standard orange flowering Clivia plant. The analysis by Hammett (2006) did not detect anthocyanin in the flowers, but it is not clear if this is because of less - sensitive methods were used than in the later study by Snyman, Spies and Viljoen (2010), to

reveal the very low levels of anthocyanin that they found. Considering all the evidence, it is more likely that anthocyanin production is inhibited, and not altogether disabled by a mutation in a gene in the production pathway. This would also explain the red 'bleeding' upon damage to some yellow flowers (Figure 1). In this case the suppressor is inhibited by the damage signal in the flower, thus releasing the MBW complex to stimulate production of anthocyanin around the site of damage. This is a known protective mechanism in other plants as well and demonstrates that anthocyanin production is not completely disabled.

Group 1 Peach could be interpreted as weaker repression of the same gene that is repressed in Group 1 yellows. The repression of the production

This article only touches on some of the complex processes that influence pigment and colour formation in Clivia and other plants. It is hoped that this article will make readers aware of the complexity and beauty of this process.



PHOTOS COURTESY OF DAWIE STRYDOM

Examples of 'bleeding' in flowers of Group 2 yellow and green plants, which provides an example of a mutation in a regulator influencing the normal production of this chemical in the flower, as opposed to a mutation that made its production impossible under all conditions

of anthocyanin in the flower is not released in yellow plants, while it is only activated in a limited manner in peach flowers. The same would be true for Group 2 yellows and peaches. In fact, the shades of color we see from light-peach, to pastel, to orange and to red, can be interpreted at a scale of repression of the regulators that stimulates anthocyanin production. In plants that blush over time, it is possible that there is a time dependent release of the suppression of the regulatory complex as the flower matures.

Here I focused on the possible influence of the regulation of anthocyanin in *Clivia* flowers. It should, however, be noted that there can also be changes at cellular, biochemical level that influence our perception of the anthocyanin in the flower. Similarly complex mechanisms can be expected to influence the regulation of carotenoids and chlorophyll production in flowers, given that both these types of molecules, like anthocyanin, are critical to the overall development and growth of plants, and are thus likely to be regulated differently, rather than mutated, in different color forms of *Clivia*.

This article only touches on some of the complex processes that influence pigment and colour formation in *Clivia* and other plants. It is hoped that this article will make readers aware of the complexity and beauty of this process. The complexity of this process suggests that the diversity of colours we see in *Clivias* at present, is

only the tip of the iceberg.

SUMMARY

- Anthocyanins are produced in various tissues and have a variety of roles throughout the life cycle of the plant
- The genes in the Anthocyanin Biosynthetic Pathway are expected to be conserved across plant lineages, including in *Clivia*, as has been shown in some studies
- Yellow, blushing or pastel orange *Clivia* flowers likely have suppressed anthocyanin production
- Breeding for variation in *Clivia* flower colour does not involve the variation in a single gene, but more likely includes complex variations in ABP genes and their regulators

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FROM THE JUDGES

Appleblossom Like/ Blush Flowers: A misjoinder in category lists

Andre du Toit

The number of classes at shows was severely curtailed during the Covid period when shows were done virtually. The trend was retained after clubs returned to the old way.

One of the classes that remained on the category lists of most clubs, including the Free State Clivia Club show is Appleblossom Like/Blush Flowers. Appleblossom is described in the Clivia Society's classification list as the wild accession collected for Kirstenbosch NBI. It is a very pale colour *C Miniata* and one of several from the same area. Each has been assigned a code. There were seven similar plants in the area.

It is common knowledge that Appleblossom was totally exterminated in its habitat. In my view Appleblossom remained a unique South African plant and should have a special place on our classification lists. The reason for the addition of the word 'Like' is probably because it may be difficult for judges to determine whether a plant is really an Appleblossom as many crosses between it and other clivia were done.

A blush on the other hand is described as any



W. Jin Chinese Blush from Utopia

flower with an infusion/suffusion of orange or red on white or yellow petals.

In recent years many plants that could be classified as blushes came forward. Chinese and Japanese blushes are now part of almost every collection. South African blushes have also come forward and of course crosses between east and west. Naude's peach, Nine Eleven, Gloria and many crosses do also have an infusion of orange,



Woodlands Beauty from Utopia



Hatori Blush from Japan of Utopia



My own Strawberry Cheesecake x Rumpelstiltskin ex Clivia Mart, an example of splash



Nine Eleven, my own South African blush

red or pink.

In my view the solution is obvious. Divide the present category in two: Appleblossom/Like and then a separate category of 'Blush'.

Club officials and Judges should make sure that the difference between a blush and splash is recognised. Splash is described as flowers with

the tepals that have evidence of a brushing of a second colour on the inner surface of the tepal.

Examples are Four Mary's and Andrew Gibson. Tepals that have non-distinct colouration at their tips. (Many thanks To Carrie Kruger from Utopia who made a number of her photos available for this article.) 🌸

Q & A

Longitudinal Variegation

Questions by Chris Smit & Answers by George Mann

Q1. IS LONGITUDINAL VARIATION ONLY TRANSFERRED MATERNALLY?

A1. Variegation can, in extremely low numbers, occur spontaneously in seedlings of any plant genera. In Clivias, all longitudinal, Light of Buddha and Akebono variegation is strictly transmitted maternally. The only known exception at this point is the so-called Tiger Variegation. Tiger variegation is the thickening of the epidermal layer and, therefore, something completely different.

Q2. IF A NORMAL GREEN LEAF CLIVIA PRODUCES VARIATED OFFSPRING, DOES IT "SPLIT" FOR VARIATION OR IS IT ACTUALLY A VARIATED PLANT THAT DOES NOT DISPLAY VARIATION?

A2. It can either be spontaneous and a once off occurrence, as mentioned in the first part

of the above answer. Or it can be that the parent is very lightly variegated, thus one sees it in the offspring and not in the parent. The term split is not applicable to variegation. A plant cannot be split for it as Mendelian inheritance does not apply to it.

Q3. IF THE POLLEN OF A VARIATED PLANT IS USED ON A NORMAL GREEN LEAF PLANT, WILL THE OFFSPRING PRODUCE ANY VARIATION IF SELFED OR SIBLING CROSSED?

A3. No, they will not. It can not be recovered as mentioned above. It can only occur in rare instances spontaneously, but this will have no relation to the pollen that was used. It would thus be a complete waste of time and growing space if variegation were the aim, using pollen from a variegated plant. The exception is Tiger variegation, as explained earlier. 🌸

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Clivi-Arta

Helen Sanders

AWKWARD INTRODUCTIONS...

WELL HELLO THERE...
AND WHO MIGHT YOU BE??



I'M OPEN BRACKET OPEN BRACKET SOUTH AFRICAN SUN
CROSS LEMON DAKIRI CLOSE BRACKET, CROSS OPEN
BRACKET T.K. ORIGINAL CROSS T.K. ORIGINAL
CLOSE BRACKET, CLOSE BRACKET, CROSS
OPEN BRACKET, OPEN BRACKET... UHH...
NO... MAYBE ONLY ONE OPEN BRACKET
AND THEN ...

HEY! JUST
LET ME KNOW
WHEN YOU'VE
BEEN ASSIGNED
A NICKNAME!



© CLIVI-ARTA '25

Photographic Competition of the Clivia Society 2025

All Clivia Society members are strongly encouraged to submit their entries for the photographic competition across the designated categories. Your participation is vital and will contribute to the success of the event. The photographs you enter may be published in the Yearbook 26 of 2025 -November. The closing date for entries is Monday, the 13th of October, 2025.

CONDITIONS FOR ENTRY OF IMAGES INTO THE COMPETITION:

1. Complete the entry form. One form is sufficient if several photographs are submitted at the same time.
2. Please submit your entries by the end of the business day on October 13, 2025.
3. The number of entries per category is limited to three.
 - Photographs should be submitted to Clivia Society Photographic Competition, karel.stanz@gmail.com
 - If the size of the images is large, use WeTransfer free of charge!
 - Photograph Submission Guidelines:
 - - Format: JPEG file, File Size: Each photograph must not exceed 2 MB. Resolution: Minimum of 600 dpi. Submission: Please submit the images without embedding them in any other program. Important Note: If the photographs have a small file size, judges may have difficulty evaluating them properly.
 - The judges may combine or extend certain categories depending on the number of submissions received.
 - By submitting photographs for the Society

competition, you acknowledge that your images will be used in Society publications, with full credit given to you as the photographer.

4. The judges' decision is final, and all participants are required to accept it without exception. Photographs are evaluated on their quality, not merely their aesthetic appeal. The most visually appealing image does not guarantee the best photographic standard. It is crucial to consider several key factors: image sharpness, accurate color representation, elimination of distractions, effective composition, appropriate lighting, proper cropping, thoughtful background selection, and correct white balance. All these elements are essential for determining the true quality of a photograph.
5. Categories for the competition – maximum of three entries per category.
 1. *C. Miniata* Umbels
 2. Pendulous Species
 3. Interspecific Flowering Umbels
 4. Single Flowers
 5. Berries,
 6. Buds, and
 7. Foliage
 8. Artistic & Floral Art 🌸

CLIVIA SOCIETY PHOTOGRAPHIC COMPETITION ENTRY FORM 2025

Name of Entrant	
Contact e-mail	
Telephone	
Year photographs taken	
Number of Entries	

Indicate number of entries in each class below:

<i>C. miniata</i>		Pendulous species		Interspecific plants	
Clivia related foliage		Clivia-related Artistic & Floral Art			
Submission		e-mail		WeTransfer	

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