

CYMBIDIUM NEWS

Published by the Cymbidium Orchid Club of South Australia Inc.

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West Lakes Spring Show 2023

Grand Champion

Small Standard Champion

Small Standard Best

Open division

Small Standard Yellow First

Coraki Glowing 'Kentlyn'

Grown by John Moon



**West Lakes
Spring Show 2023**

**First Division Champion
Champion Specimen
First Division
Small Standard Best
Intermediate Brown/
Orange First**



**Willunga Eyecatcher
'Orange Delight'**

**Grown by
Max Kahlbaum**



Cymbidium News Volume 25 No. 8 September 2023

The New Cymbidium News is published monthly, February to November inclusive and is the Official Newsletter of the **Cymbidium Orchid Club of South Australia Inc**

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	# indicates Deceased		

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Our club Bank Details are as follows

Bank of South Australia BSB 105 108 Account number 022900640



**President
Graham Fear**

Welcome to our September issue,

There were no plants benched at the August meeting as West Lakes was only 3 days later.

Our guest speaker for August was John Gates from Sydney, one of Australia's best growers and hybridiser of cymbidiums. John provided us with an excellent presentation and let us into his secrets and ideas on breeding cymbidiums, and everything he does to grow them. Many thanks to John for the raffle plants and his sales plants were gone very quickly.

The West Lakes Spring show went exceptionally well again, although plant numbers being shown, were probably slightly down on last year. Many thanks all the judges, scribes, recorder, photographer and Trading Table and display builders for a great job well done.

Nearly 500 plants were sold from the trading table, with all plants sold by

2.30pm on Saturday afternoon. Thank you to everybody who worked on the trading table over the seven days, and those who supplied plants. We will have a special thank you to each of you at the September meeting. A special mention to Wayne Bayliss who manned the table from 8am to 10am each day, and John Howard for his afternoon shift until closing time each day.

The West Lakes Spring Show **Grand Champion**, and winner of Open division was **Coraki Glowing 'Kentlyn' grown by John Moon.**

Champion of First Division was Willunga Royal 'Orange Delight' grown by Max Kahlbaum

Champion of Second Division was (Kirby Lesh x Sylva Atom) grown by Francis & Janet Ling.

Well done to all the winners.

One sour note from the show was the theft from the displays of nine plants, all taken on the Monday night at about 7.00pm. They have the culprit on CCTV from the theft, to his car, with facial recognition and car registration plate. A police report was done, but at this stage we have no results to report.

Our commiserations to the growers concerned in losing your plants. It is not a nice thing to happen, and as is the club's policy, a loss fee of \$50 per plant will be paid to each grower, and hopefully, although it won't compensate for their total loss, it may help to ease their pain a little.

There will be a single flower contest at the September meeting, as well as our normal benching of plants. Put your single flowers in the racks, along with your show number, at the front of the hall, and vote for your favourite flower. Judging is by popular vote.

Our guest speaker for the September meeting will be Graham Guest from Guest Orchids, who will continue his travel talks of the orchid world, this time how the Dutch grow orchids in Italy. It is another talk not to be missed.

Don't forget to wear your name badge, and any new members, please give your birthday month to John Howard if you haven't already done so. A great seedling plant is to be won in each month.

Stay safe and well, and I look forward to seeing you on the 27th.

Kind Regards.

Graham Fear, (President)

West Lakes Spring Show 2023 Major Winners			
Class	Prize	Plant Name	Exhibitor
Grand Champion Flower	Grand Champion	Coraki Glowing 'Kentlyn'	John Moon
Flower of First Division	Champion	Willunga Royal 'Orange Delight'	Max Kahlbaum
Flower of Second Division	Champion	Kirby Lesh X Sylva Atom	Francis & Janet Ling
Large Standard	Champion	All on Red X Spicy Rose	Chee Ng
Small Standard	Champion	Coraki Glowing 'Kentlyn'	John Moon
Intermediate	Champion	Justina's Beauty 'Cotton Candy'	John Moon
Miniature	Champion	Jacinta's Pride 'Jamima'	John Moon
Seedling	Champion	Khanebono X Prized	John Moon
Large Standard Seedling	Best in Show	All on Red X Spicy Rose	Chee Ng
Small Standard Seedling	Best in Show	Dawn Muse X (Anna Szabo X Darch Classic)	Chee Ng
Intermediate Seedling	Best in Show	Khanebono X Prized	John Moon
Miniature Seedling	Best in Show	(Spotted Madam X Mem Amelia Earhart) 'George'	Graham Morris
Specimen	Champion	Willunga Royal 'Orange Delight'	Max Kahlbaum
Novelty	Champion	(Spotted Madam X Mem Amelia Earhart) 'George'	Graham Morris

The complete prize list is on a separate sheet accompanying this magazine

I received this request from a previous customer of mine. I thought it is worth sharing with our members. It does reinforce that we must be very aware that virus is lurking in orchid collections, and we must be vigilant to try and stop it spreading through our collections. It is a similar situation to that where one of our members, Cheryl Lordan, tested her plants a few months ago.

Good morning Graham

Hope this finds you well. It's been a while.

Thank you for your emails. I love reading the articles that you send. I had to come back to this one about viruses after our spring Show last week. I swore I wouldn't buy another orchid from a sales table again but I succumbed this time to two lowianum orchids (one of my favourite types).

I always test my orchids before adding them to my collection and sadly they both tested positive to ORSV. Even more disappointing was they were from our society members.

I was wondering if I can use some of this material (the Calum Wilson talk to our club) to educate some of our members on orchid viruses. I don't think some of them have the slightest idea. Not a problem if the answer is 'No'. I can do a bit of research online.

Regarding virus testing, I certainly know how expensive it is. I sent a sample of ALL my plants to TASAG for testing. Spent a fortune but now happy that all the plants I have left are virus free. All virused plants were destroyed, approximately 30% of my collection sadly.

Absolutely you can use my test results, I don't care if you use my name either if you wish. I'm not fussed. Also 30% is probably underrated. It was probably more like 40%, close to half my plants. I want the world to know about orchid viruses.

I'm urging my society to do a presentation on viruses. Particularly because we have a lot of new members. Older members need to be reminded too because all too often they don't care. Also there were so many visitors to our Shows and buy indiscriminately which may bring our society into ill repute.

I have given this lady approval to use information from our magazines and from the Calum Wilson talk. There will be many clubs and individuals, world wide using the information from Calum's talk to protect their collections from virus. Anyone wishing to use the information, feel free to do so, but please acknowledge where it originated.

Virus diseases of Orchids

Summary of the talk by Dr Calum Wilson,
Professor of Plant Pathology, University of Tasmania
to the July meeting of the Cymbidium Orchid Club of South Australia
(COCSA).

The PowerPoint presentation, given by Calum is available to be viewed on our club website cymorchidssa.com.au.

This article is just a short summary of his presentation. Viewing it a number of times (on the web) is highly recommended, particularly in conjunction with reading this article.

Why are viruses important?

Virus infections can cause unsightly symptoms (markings) on orchid leaves and occasionally on flowers too.

They also reduce plant vigour and can affect flowering.

Viruses are incurable.

There are no treatments that can be applied that will eliminate virus infections. Unlike humans, plants do not produce antibodies.

Rather, prevention of infection and disease spread is the key to avoiding virus problems.

What are plant viruses

In Roman times the term “virus” described

“poison, venom, the rammish smell of armpits, water matter, whitish, yellowish and greenish at the same time which issues out of ulcers and stinks very much, being induced with eating and malignant quantities”

They are very small (sub microscopic)

They are obligate plant parasites (they can only reproduce in an infected plant)

They are quite simple entities (and come in different shapes)

They are at the boundaries of life itself

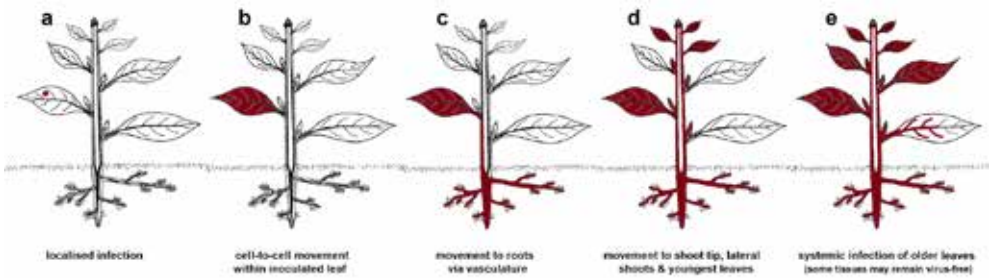
What do they look like?

They are simply made up of a string of RNA nucleic acid (virus genes) covered in protein

What is a plant virus?

It is a piece of bad news wrapped up in protein (**Jane and Peter Medawar**)

Viruses get inside and replicate in plant cells. They then move systematically throughout the plant between cells and in the phloem



What viruses affect orchids?

There are over 30 different viruses recorded from orchids. Confirmation of some of these is still required (they may be different names for the same virus) It is likely to be an underestimate (as those that do not cause obvious symptoms have largely been ignored)

What viruses affect orchids?

Virus Genera	Number of species	Example
Carmovirus	1	Carnation mottle virus
Closterovirus	1	Dendrobium vein necrosis virus
Cucumovirus	1	Cucumber mosaic virus
Nepovirus	1	Tomato ringspot virus
Potexvirus	1	Cymbidium mosaic virus
Potyvirus	13	Ceratobium mosaic virus
Rhabdovirus	2	Orchid Fleck virus
Tobamovirus	1	Odontoglossum ringspot virus
Tobravirus	1	Tobacco rattle virus
Tombusvirus	1	Cymbidium ringspot virus
Tospovirus	3	Capsicum chlorosis virus

Which are the most common?

Several international surveys suggest ORSV and to a lesser extent CyMV are common in orchids with OFV very rare.

In Australia however, OFV is generally more common than CyMV

	NSW(1989)	TASAG ELISA (Australia wide, 1991 to 1999)
CyMV	8.7%	15.5%
ORSV	61.9%	63.4%
OFV	29.4%	21.1%

Also a survey of 100 plants from two Australian orchid collections showed one third were infected with Ceratobium mosaic potyvirus (with a few additional potyviruses detected)

This year's data

172 orchid leaves have been sent to TASAG testing services so far this year

	Qld	NSW	SA	Vic	Tas	Total
OFV	1	6	10	5	0	22 (51%)
ORSV	2	5	6	1	2	16 (37%)
CymMV	0	2	0	1	2	5 (12%)
Total submitted	21	85	27	30	9	

Most positive samples were symptomatic, but a few asymptomatic samples were also infected. Potyviruses were also detected.

Common orchid viruses.

Odontoglossum ring spot virus (ORSV)

First reported in the USA in Ondontoglossums in 1951. Particles are 300nm x 18nm (5% RNA and 95% protein)

It is a very common orchid virus, world wide.

Natural host range: Various orchid species, but can infect wider range of plants (9 families) eg tobacco, Zinia, Chenopodium)

Symptoms can be very variable, and some infected plants may be asymptomatic (but will still have reduced vigour and can be a source of infection for other plants)

This is the most infectious orchid virus. It is a very stable virus and can survive on surfaces for many years (in dried leaf for over 100 years).

It is naturally spread by

- Vegetative propagation of infected plants

- Plant to plant contact

- Cutting, pruning, plant handling (contaminated tools)

- Pollen can be infected

- It is not seed borne, but there could be possible seed contamination

Cymbidium Mosaic Virus (CyMV)

First reported in Cymbidiums in the USA in 1950

Particles are 480nm x 13nm (6% RNA, 94% protein)

It is a common orchid virus, world wide

Natural host range various orchid species, but can also infect wider range of plants (9 families) eg rice, cucumber, nasturtium

Infected plants almost always show a leaf mosaic, but some plants can still be infected asymptotically.

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It can take time (weeks/months) for systemic symptoms of infections to be expressed. Vigour is reduced in infected plants

It is a moderately stable virus (can survive days outside a host plant)

It is naturally spread by

Vegetative propagation of infected plants

Plant to plant contact

Cutting, pruning, plant handling (contaminated tools)

Pollen can be infected

It is not seed borne

It was shown (experimentally) to be spread by a chewing insect cockroach)

Orchid Fleck Virus (OFV)

First reported in cymbidiums in Japan in 1969

Particles are 105 to 150nm x 40 to 50nm. Very unstable particles

OFV is common in Australia but less so elsewhere

There are two orchid fleck viruses (they differ in the parts of the plant cell they infect, but cause the same symptoms)

There is also related, but distinct, viruses that infect citrus and coffee.

Natural host range In a wide range of orchid species (it can infect other species, such as Faba bean and Chenopodium, but in these other hosts, infection is usually not systemic)

Infected cymbidiums can show chlorotic and/or necrotic flecking and ring patterns. It is a very unstable virus

It is naturally spread by

False spider (flat) mite vectors (*Brevipalpus* spp.)

Vegetative propagation of infected plants

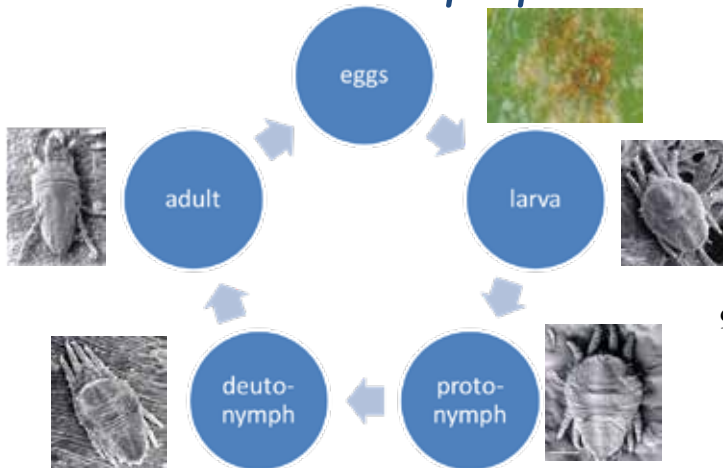
Plant to plant contact (but not easily)

Cutting, pruning, plant handling (but not easily)

It is not seed borne.

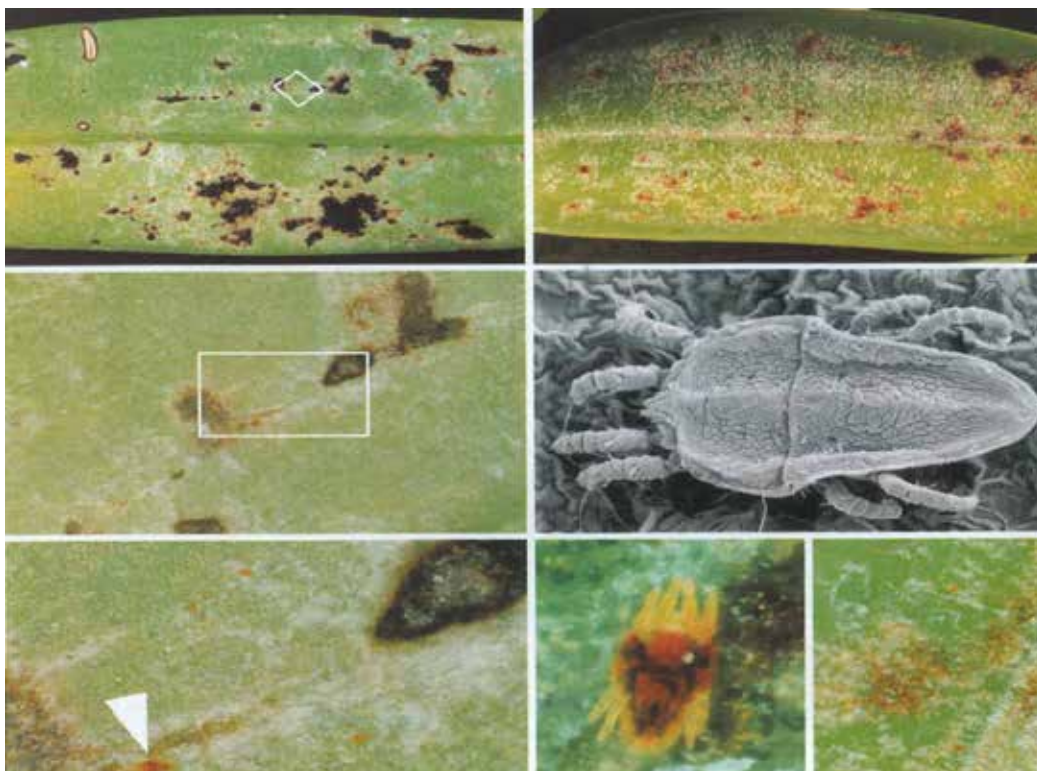
Spread by contact requires high temperatures (more than 30 degrees C) and is easier to non orchid plants

Brevipalpus lifecycle



Eggs (50 to 60 per female) take up to 3 weeks to hatch. Immature stages take 5 to 6 weeks to become adults. Between stages they exist as chrysalis glued to plants.

Brevipalpus californicus
(false spider mite)



Mites as virus vectors

OFV can be transmitted by at least two *Brevipalpus* spp. (*B. californicus* and *B. yothersi*), but not by them all.

Transmission occurs with nymphs and adults (but not larva)

Once the mites pick up the virus, they will probably carry it for their lifetime

They need at least 30 mins feeding to acquire and transmit the virus (the longer the time the more transmission events)

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To be continued in the October magazine



**West Lakes Spring Show 2023 Champion Large Standard
(All on Red x Spicy Rose)
Grown by Chee Ng**



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**West Lakes Spring Show 2023 Champion Intermediate
Justina's Beauty 'Cotton Candy'
Grown by John Moon**



West Lakes Spring Show 2023
Jacinta's Pride 'Jamima'
Grown by John Moon



West Lakes Spring Show 2023
Small Standard Seedling Best in Show
Dawn Muse x (Anna Szabo x Darch Classic)¹²
Grown by Chee Ng



West Lakes Spring Show 2023 Champion Novelty, Best in Show Miniature Seedling
(Spotted Madam x Mem Amelia Earhart) 'George'
Grown by Graham Morris

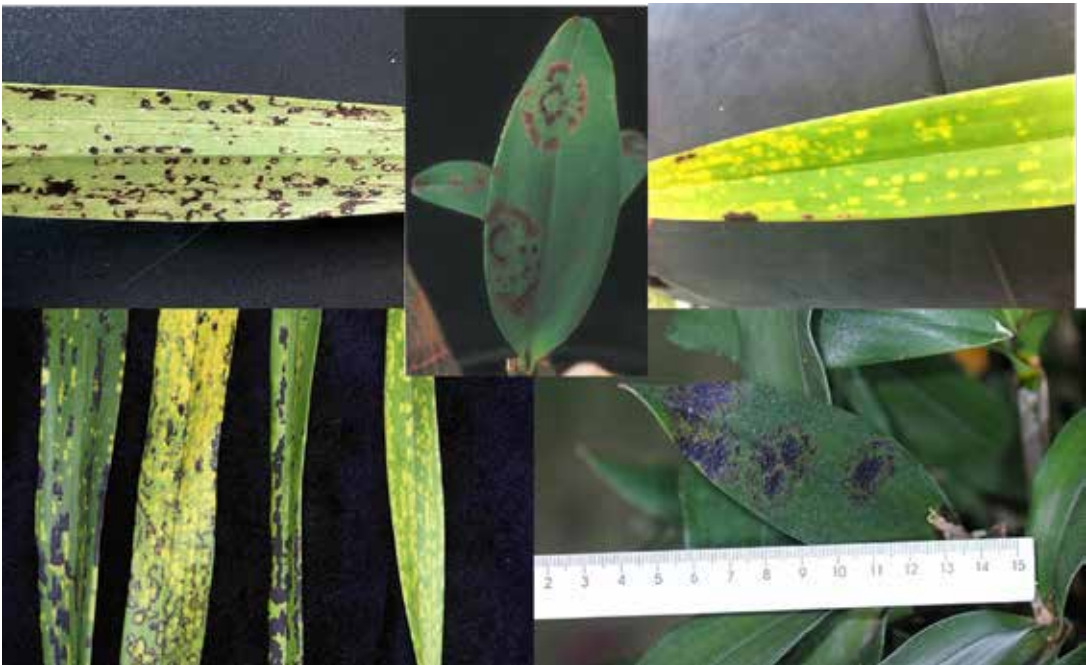
Odontoglossum ringspot virus



Cymbidium mosaic virus



Orchid fleck virus



**Photos from the West Lakes Spring Show 2023
(See them in colour on the club web site cymorchidssa.com.au)**



Two of the displays



TRY THESE AND OTHER PRODUCTS ON
OUR MEMBER'S EXCLUSIVE ONLINE STORE
AT SHOP.NEUTROG.COM.AU

**MAKE AN
IMPACT ON
YOUR LAWN**



OTHER PRODUCT RECOMMENDATIONS



SEAMUNGUS

Seamungus is used for revitalising all plants throughout the year (including natives) and is ideal for establishing new plants, particularly bare-rooted roses.



KAHOONA

Kahoonna is an organic based, chemically boosted fertiliser, specifically developed to enhance the growth and flower development of acid loving plants.



BUSH TUCKER

Bush Tucker is a complete, organic-based boosted fertiliser, specifically developed to meet the specialised needs of all Australian native plants.



POPUL8

POPUL8 is an Advanced Soil Biological formula. It is designed to occupy and populate the biological space in the soil and on plant roots which may otherwise be an available space for plant pathogens to inhabit.



STRIKE BACK FOR ORCHIDS

Strike Back for Orchids liquid concentrate is an organic based chemically boosted fertiliser ideal for all potted flowering and fruiting plants ...not just orchids!



SUDDEN IMPACT FOR ROSES

Sudden Impact for Roses concentrate is ideal for all flowering plants except natives and bare-rooted roses.

If you require assistance please contact Jacinta on +61 8 8538 3513

NEUTROG
Biological Fertilisers

The next Meetings of the
Cymbidium Orchid Club of South Australia Inc.

**On Wednesday 27th September 2023
at the Burnside Assembly Hall,
corner of Greenhill and Portrush Roads. Dulwich
The main meeting begins at 8.00pm.**

There will be judging of plants at this meeting

The single flower competition will take place.

Our speaker for the September meeting is Graham Guest, the proprietor of Guest Orchids

***** Don't miss this meeting *****

The beginner's group will meet on the stage at the front of the hall, starting at 7.15pm SHARP (to allow them to view plants and purchase raffle tickets)
Newcomers are very welcome

Dates of monthly meetings through the year 2023 are below.
Always the fourth Wednesday, February to November

September meeting	27th	September	Graham Guest (Guest Orch)
October meeting	25th	October	Eddie Ng local hybridiser
November meeting	22nd	November	Malcolm Osborn History
Christmas Dinner	Thursday 30th November		

No meeting in December or January.

Annual General Meeting February 28th 2024

A lucky badge, and a lucky birthday prize will be given each meeting. You must wear your club badge to be eligible.

Please notify your birthday month to John Howard if you wish to be in the lucky birthday promotion.

Below are a couple of very popular oldies which were shown at the Spring Show
Sara Jean 'Ice Cascade' and Bedivere 'Highbury'
Registered 1973 and 1963



spring



SUDDEN IMPACT! FOR LAWNS

Get your lawn spring ready with the NEW Sudden Impact for Lawns + POPUL8 2L Hose-On - a complete, biological fertiliser in a liquid form, specifically designed to provide a full range of nutrients and biology in a soluble format, able to be taken up by the plant through the leaf, roots and soil.

- Suitable for all lawn types as well as hedges, trees, bamboo ferns, conifers, in fact ALL non-flowering plants!
- Combined with POPUL8 to promote nutrient cycling and liberation, fix nitrogen, produce growth hormones and improve resilience to plant and soil pathogens
- Includes Nitrogen, Phosphorus, Potassium and Macronutrients for colour, growth, root development and resilience to temperature and drought stress.

Available exclusively at Bunnings.

NEUTROG
Biological Fertilisers



Most members should know that we have a really good, mates rates deal with Neutrog, to purchase their products at very special prices.

Generally, a club member needs to register on line via the Neutrog Web site. You will be given an account, and can set up a password to access the site to place an order.

Some members experienced difficulties in setting up an account last month. To ensure this does not happen in future, set up your account NOW. Contact Neutrog directly if you experience problems.

There are four (4) times each year when you can order product, then collect it a short time later.

We get very discounted prices on all products.

There are a small number of members who cannot order on line, through either not having access to a suitable computer, or have had difficulty in logging in and placing their order.

If you are in that position, the club is about to set up a club account which you will be able to access by contacting a nominated member (Graham Morris), who you can place your order with and make your payment. You will need to make arrangements with him, on how and when to collect the order.

Dates of the orders and delivery are below. Orders can be placed well before the closing dates to avoid missing out.

There are very substantial savings to be made by purchasing Neutrog products through this on line store.

***** If you are not presently a club member, it could be worth joining, just to access discounted Neutrog products. *****

**Summer
Delivery**

**17-18th November 2023 Date depends on collection point
Store closes 6th November 2023**

**I will try to get a product list and price list for those interested in this service.
It should be available at each monthly meeting**



Garden City Plastics October 2023 SPECIAL

10-12 Hakkinen Road, Wingfield, SA 5013
Phone: (08) 8168 4100, Fax: (08) 8168 4199
Email: sa@gardencityplastics.com

25% Off Perlite

Available 1st October 2023 to 31st October 2023
(There may have been a price increase since your last purchase)



Neutrog are great supporters of our Club.

Please support them wherever possible and tell others about them

The Cymbidium Orchid Club of South Australia, was actively involved in developing and testing Strike Back for Orchids and endorses it's use.

JOIN OUR NEWSLETTER

Our monthly newsletters and planting guides provide the ultimate resource for passionate gardeners to get the most out of their soils and plants.

By signing up using the QR code below, you will have access to stories about gardens across Australia, exclusive Neutrog updates and our recommendations for feeding, planting and garden maintenance each month.



Rats and mice are active in our gardens at the moment. First Strike Rodenticide is very effective in controlling these pests.

Available from Graham Morris 0419 823 724. Call if you need some.

Packs of 10 baits \$5.00, Packs of 25 \$10.00

Available at the Trading table at the back of the hall, on meeting nights.

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This new product is getting good reviews from growers everywhere who have been using it for some time. Rodents cause lots of damage if not controlled. Be prepared. Have some on hand.

Future monthly meetings for 2023.

The guest speakers programmed for the remaining meetings this year are amazing. In my opinion, they are the best ever assembled for an orchid club, anywhere, ever.

If you are a member, don't miss any of them. If you are not a member, consider joining immediately so you don't miss hearing what they have to say.

September Graham Guest from Guest Orchids (also New Horizon Orchids agent) will talk

October Eddie Ng, a local hybridiser who is achieving amazing results will amaze you

November Malcolm Osborn, a foundation member will talk about the club history

Miss any of these meetings and you miss some huge opportunities to expand your knowledge

Cymbidium Orchid Club of South Australia Supper preparation roster 2023

<u>Meeting date</u>	<u>Set up</u>	<u>Serving</u>	<u>Clean up</u>
27 th September	Elayne Saunders	Joan Mason Margaret Curtis Hillary	Elayne and Joan
25 th October	Elayne Saunders	Erica	Elayne Saunders
22 nd November	Elayne Saunders	Joan Mason Margaret Curtis Hillary	Elayne and Joan

Each month milk, water, juice and eats will be purchased and provided by the club committee (Elayne Saunders or Graham Fear)

Elayne 0413522582, Sylvia 0403006057

TRADING TABLE SUPPLIES

250mm Pot		\$1.20	
200mm Pot		80c	
180mm Pot		60c	
140mm Pot		40c	
100mm Pot		30c	
Plastic Trays	\$2.20	(55cm x 35cm x 8cm holds six 180mm pots)	
Stakes Bundles 3ft (25)		\$4.50	
Stake Bundles 4ft (25)		\$6.00	
Twist Ties Bundle (100)		\$2.00	
Calcium Nitrate		\$2.50	
Yo Yo's		\$2.00	
Single Head Fogger Dropper		\$4.50	
Trisodium Phosphate (sterilizer)		\$5.00 (500g)	\$10.00 (1kg)
Virus Kits		\$8.00	
Linuron Hericide (100g)		\$10.00	
Plastic Labels (25)		\$2.00	

For normal orders contact John Howard on 0419 814 981, for stock availability

For larger orders 30 pots or under per size, contact Wayne Baylis, on 0409 801 224

Any orders over 30 pots per size should be sourced by the box configuration from Garden City Plastics,

Available to all club members in bulk,

Contact Natasha at Garden City Plastics on 8168 4100 to order.



West Lakes Spring Show 2023

**Second Division Champion
Second Division
Large Standard Pink First**

(Kirby Lesh x Sylva Atom)

Grown by Francis and Janet Ling





West Lakes Spring Show 2023

Champion Seedling, Champion Intermediate Seedling

**Open Division
Intermediate seedling Best**

Khanebono x Prized

Grown by John Moon

