

## TOWNSVILLE ORCHID SOCIETY INC.



### September 2024 Bulletin

Full contact details are on our website

<http://townsvilleorchidsociety.org.au>

Postal Address:

PO Box 836 D.C.

AITKENVALE QLD 4814

Email: [townsvilleorchidsociety@gmail.com](mailto:townsvilleorchidsociety@gmail.com)

Patron: Mr. Russ Cook

President: Troy McGill Ph. 0474 305 864

Secretary: Jan Allen

Treasurer: Lisa McCulloch

Bulletin Editor: Noel Grant Email: [grantnml@bigpond.com](mailto:grantnml@bigpond.com)

Hall Location:

Joe Kirwan Park

Charles Street, KIRWAN

Annual Membership Fees are due **1<sup>st</sup> September** each year

Family \$20.00

Single \$15.00

Details for paying membership fees: BSB: - 064823

Account Number: - 0009 0973

Name of Account: Townsville Orchid Society Inc.

Commonwealth Bank, Aitkenvale.

Please advise your name and membership number.

*Are you currently un-financial? To remain a member of the Townsville Orchid Society Inc. and to continue to receive the TOS Bulletin, you MUST pay your annual membership.*

**The next Management Committee Meeting will be held from 1pm Saturday 21<sup>st</sup> September.  
The September General Meeting will be held from 1pm Sunday 22<sup>nd</sup> September.**

It would be appreciated if members would donate food items for the **afternoon tea**.  
It would also be appreciated if members would donate some items for the **raffle table**.  
Quality items appreciated!

#### Judges for September 2024:

Novice/Species

Alison

Open

Reg, Marie

## President's Report

Hello to everyone.

A big thank you to everyone who assisted with the "Ask the Experts, Open Day". There was a great presentations and demonstrations for the public and members. The 'Bring in your sick plant' and repotting were also appreciated.

By the time we have the September Bulletin out, we will have had the Spring Show - good luck to all the growers and a big thank you to all the people who supplied goodies for the kitchen and helped throughout the weekend.

Our 2024 Field Day will be held on Saturday 19<sup>th</sup> October. We are still looking for members to open their bush houses for the Field Day, and people to assist with the day by setting up and manning the kitchen at the Hall. Both Sam and I will be working in the kitchen.

A Special General Meeting will be conducted prior to the AGM on 27<sup>th</sup> October. Due to changes to the Model Rules of an Incorporation, by the Queensland Office of Fair Trading, the Grievance Procedure will be added to the Constitution. Again, as mentioned at the last two General Meetings, we have a draft copy outlining the addition of the Grievance Procedure, if you wish to read the process.

We are still looking for nominations for the Management Committee for next year, to be decided at the October Annual General Meeting. We know that new members offer new perspectives and ideas. Without a committee, we don't have a club, so if you are interested, please approach Jan or myself.

## **Up and coming Events**

21<sup>st</sup> September Committee Meeting from 10am, 22<sup>nd</sup> September General Meeting from 1pm

19<sup>th</sup> October Field Day Set up, 20<sup>th</sup> Field Day

26<sup>th</sup> October Final Committee meeting for 2023/2024, 27<sup>th</sup> October Annual General Meeting

23<sup>rd</sup> November set up for Christmas lunch, 24<sup>th</sup> November Christmas Lunch

5<sup>th</sup> and 6<sup>th</sup> December Plant Sale

25<sup>th</sup> Jan Committee Meeting, 26 Jan General Meeting

Thank you

Troy

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### **Minutes from the Management Committee Meeting held Saturday 21 August 2024.**

Meeting opened: at 10.05am by President Troy McGill

President McGill welcomed all members to the August Management Committee Meeting for 2024 and declared a quorum was present. He welcomed Tony Kapcelovich to the Committee. Tony has agreed to take on the role of Show Vice President.

**Present:** Troy McGill, Samantha McGill, Lisa McCulloch, Jan Allen, Lyn Johnson, Wally Brooker, Carolyn Gibson, Robert Rasmussen, Tony Kapcelovich.

**Apologies:** Noel Grant, Joseph Walker

#### **Minutes:**

**Motion:** That the minutes of the previous meeting be accepted as a true and correct record.

M: J. Allen

S: L. Johnson

**Carried**

**Business arising:** See General business.

**Correspondence In:** Apology – inability to attend Special meeting; Invoice from Good Guys – Cooktop and stove; TQOC minutes and update; C-Mobile Plan – changes; Brett Moloney – flasks; Receipt from TQOC; Query- re Charlie Truscott; Lease documents -Nathalie Lacour; C-Mobile Account; Responses to query for Jan; Invoice from Fernland; Flaming North Statement; OQ Invoice; My Community Directory; TQOC Notice of AGM; Community Resource Directory; Suggestions for ‘Ask the Expert’; Posters; Bluewater Flower Show -details; American Express Merchant; National e- deposit; Flaming North – seeking approval; Cash register Warehouse invoice; Fernland invoice; Updated public insurance required; 4TTT Community Subscriber Membership renewal; Ask the Expert acceptance; National e-deposit thanks; Orchid Wiz – revival 20.0; RHSV Insurance Certificates of Currency; A.Roberts payment advice; Floriculture sponsoring request; Addition to constitution – suggestions; Financial Reports for August; Ergon – My Business e-bill; TQOC Notice of AGM and election of office bearers; TQOC log-in details ZOOM; Request to hire hall; Townsville Bulletin invoice.

**Correspondence Out:** Welcome packs to new members x 2; Draft letter to Lisa, Noel, Joseph; Charlie Truscott – request for details; Regarding Lease documents; Management and general minutes to committee; Various bulletins to Bulletin recipients; Poster – to print; TOS Bulletin; Ask an Expert Day draft for comment; RHSV Membership payment and other details; Replied to Townsville Show organiser; Council – forwarded Certificate of Insurance and Incorporation details; Reply to request for use of the Hall.

**Motion:** That the inwards correspondence be accepted, and the outwards adopted.

M: J. Allen

S: S. McGill

**Carried**

#### **Business arising:**

Covered in General business

#### **Treasurer’s Report:**

Treasurer Lisa presented information relating to the income received and outgoing expenses for the month. The largest expense was \$3,383.09 for a new cooktop and oven for the kitchen.

**Funds available to TOS:** TOS available funds are healthy. Details are available at monthly meetings

**Motion:** That the Treasurer's reports be accepted, and accounts be passed for payment

M: L McCulloch

S: L. Johnson

**Carried**

**Business arising:**

**Vice President Reports:**

**Show:** Tony Kapcelovich

- Tony was given a checklist of things that needed to be done before and during the Show.
- Tony requested a plan of the building so that he can create an accurate plan of the Show floor.
- Confirmation of vendors for the Spring Show is required.
- Box Day – Wednesday 4<sup>th</sup> September at 10.00am.
- Set up time will be 10.00am on Thursday 12<sup>th</sup> September.

**Hospitality** Samantha McGill

- Opening the kitchen for 'Ask an Expert' day. Gold coin donation.
- Oven switch needs to be left on.

**Building Report** Wally Brooker

- Handyman coming back to finalise oven fixtures.
- Still trying to contact True North Solar to get work done.

**Publicity** –Carolyn

- Facebook has changed rules – no longer able to send a message to the people who contact us. Suggestion that we ask people use the Society phone number if they want to get in contact.
- Bulletin ad. Suggesting the Wednesday rather than the Monday. No extra cost.
- "Ask an expert" event boosted for the next 7 days.
- Spring Show – List of people coming to the Show. (Councilors & MP's)
- Carolyn to step down due to work commitments. Need someone to take on the role.
- Would like to keep a list of who to thank for assisting, donations, judges etc.at the end of the year.

**General Business:**

**Blue Water Festival** – Big thanks to everyone, it was good to see some new faces helping, Mary and Malcolm, Tony and Janice. Lisa suggests that we pay extra to take two marquees instead of just the one as it was so hot. When we were talking to interested parties, we were in the hot sun. Potting demonstrations and chairs could be in the second marquee. Agreed that it was worth attending.

**Spring Show** – Lisa has to work on the Friday morning so needs someone to do the floats during the day. She will not get to the Show until about 2pm.

Suggestion was made that we use tape to separate different plant categories. This would make it easier for judges and visitors to identify groups of plants.

**Motion:** That the sum of \$1800 be approved for use as floats in the Spring Show.

M. L. McCulloch

S. R. Rasmussen

**Carried**

John Rutledge has offered to pay for 4TTT to come to the Hall during the Spring Show.

**Open Day / Ask Experts** – We have had a few members volunteering to assist on the day. Sam will also open up the kitchen for drinks, cake and biscuits. Hopefully we will have a good attendance, with the result of new members. Jan to organise plant types. Troy to do up information on genera. Two or three. Set up at 9am. Jan talked about possible program.

**Amendments to the Constitution** – need to mention at the General meeting, the need to update our Constitution in line with 'model rules' on Grievance Procedures, as implemented by the Office of Fair Trading as of 1<sup>st</sup> July. Jeff has looked at the changes and made suggestions as to where they should go in our Constitution. We have stuck to the wording of the Office of Fair Trading.

We need to inform members of the changes before the AGM. We will vote on it prior to handing over the AGM for voting of a new committee.

**AGM** – Nomination forms have been printed out and will also be published in the Bulletin along with the minutes of last year's AGM. We are looking for a new treasurer and a Publicity Officer. We would like to

include an assistant Treasurer to lighten the workload of the Treasurer. We will further discuss what role this person will have.

**Membership Fees due** – Barcode available at meetings and Show for membership payment.

Our **Field Day** is 20<sup>th</sup> October. Trevor Jochheim and Robyn Dundas have offered to open their bush houses. Jan to send an email to Jeff, Greg, Noel and Alice about whether they are prepared to open their bush houses. Is there anyone else who might open up – don't want too many though? Lisa not this year.

**Christmas Lunch** – November meeting – 24<sup>th</sup> November. Meals cost around \$65 per person, after subsidising it will cost you as a member \$25 and \$45 non-members. So, if you are a single member with a partner, it may be beneficial to join as a family. Dietary requirements please inform Sam after you have paid. All payments are to be finalised by the end of the October meeting. Confirmed Whites.

**TQOC Meeting** – Today at 2pm if interested.

**Plant Sale** – \$50 for 2 days - 3 tables- Friday 6<sup>th</sup> & Saturday 7<sup>th</sup> December. We have been asked if we would do two days to make it worth the effort for vendors. No TOS tables but can organise with others to share if you want to sell.

**Need to order booklets from Bundaberg**

**Double handling Orchid Bark and Perlite** – it was suggested that we should be able to purchase our Orchid bark through the Primary vendor rather than through Fernland? Would be cheaper. Also, perlite is available from 'New Leaf' up north. Are we double handling? See what Ruth thinks.

**Show Dates for Next Year** – Inform Society, other Clubs and AOC.

**AUTUMN SHOW** – 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> April 2025

**WINTER SHOW** - 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> July 2025

**SPRING SHOW** – 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> September 2025

**TOWNSVILLE FIELD DAY** – Sunday 19<sup>th</sup> October, 2025

**Graffiti on the Wall** – needs to be painted over. Looks awful.

**Photos on the Walls** – suggestion made that we upgrade the frames on the walls to brighten up the clubhouse. Suggestion made that we look for plants that have been awarded at our Club. Troy to make a list of such awards. Go from there.

**Sausage Sizzle** – Do we want to attempt a Sausage sizzle at Bunnings, if available? Make a fair amount at them. Enquire with Bunnings what it entails – then make decision.

**Microsoft Teams** - Carolyn to set up Microsoft teams for the Committee – after Christmas for next year. Carolyn happy to show members how to use it.

**Coming up** –

Spring Show 13<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup> September

September Management meeting 1pm 21<sup>st</sup> September, -General meeting 1pm Sunday 22<sup>nd</sup> September.

Set Up Field Day 19<sup>th</sup> October, Field Day 20<sup>th</sup> October

October Management meeting:AGM Set Up/ Committee meeting 26<sup>th</sup> October, 1pm.

AGM 27<sup>th</sup> October at 1pm

**New Members** - We welcome new members:

Joan Mitchell, growing 6 years, 20 plants                      accepted - Novice    **350**

Peter and Jennifer Peeters growing 1 year, 30 plants      accepted - Novice    **351**

**Management Meeting** – change to Saturday afternoon meeting for 1pm set-up with meeting commencing at 1.30pm instead of the morning meeting. We want to ensure all members are satisfied. Saturdays are suitable for most of the members, but morning is difficult for some. Returning to Friday night would eliminate some members from being on the Committee due to night travel.

Meeting Closed at 12.45pm

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Troy McGill – President

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Jan Allen – Secretary

PRIZE WINNERS FOR THE MONTH OF August 2024

**Bold Type** indicates a correction using Orchidwiz.

Section			TOS No.
<b>OPEN</b> CATTLEYA 110mm and over	1st 2nd 3rd	Rlc Karen's Sunrise Rlc Gerard Scalia Rlc Dal's Horizon	B Figuera B Figuera B Figuera
CATTLEYA 75mm to 109 mm	1st 2nd 3rd	Rlc Dal's Candy Rth Rosella's Lovely Ellen C Elizabeth Colar	W&C Sewell G&S Kelly G&S Kelly
CATTLEYA Miniature under 75mm	1st 2nd 3rd	C Deception Mite Rly Burdekin Mini Hawk Rth Dal's Magic x C. Dal's Delight	G&S Kelly G&S Kelly G&S Kelly
CATTLEYA Cluster	1st 2nd 3rd	Ctt Yarut Startrack Ctt Siamese Doll C unknown	L&G Johnson L&G Johnson G Watt
CATTLEYA Any Other Hybrid	1st 2nd 3rd	Epi Doi Saket x Japan Red Epc Rene Marques	L&G Johnson L&G Johnson
DENDROBIUM Spatulata	1st 2nd 3rd	Den Phyllis Merritt <i>Den trilammelatam x Den canaliculatum</i> Den Gloucester Sand	J Horn P Serra K. Owens
DENDROBIUM Soft Cane	1st 2nd 3rd	Den Cinderella No 1 Den Gatton Monarch Den Montrose x Den Winifred Fortescue	L&G Johnson L&G Johnson L&G Johnson
DENDROBIUM Any Other Hybrid	1st 2nd 3rd	<i>Den speciosum x Den discolor</i> Den Black Pearl	B Figuera McCulloch&Weaver
PHALAENOPSIS Any Other Hybrid	1st 2nd 3rd	Phaal Taida Sweet Phal Unknown Phal Taiwan's Gem	L&G Johnson H Barlow H Barlow
ONCIDIUM Any Other	1st 2nd 3rd	Milt Aztec Milt Charles M Finch Z Redvale	K. Owens L&G Johnson L&G Johnson
TOLUMNIA	1st 2nd 3rd	Tolu Sniffen Tolu John Thelander x Rrm David Butcher Tolu Elfin Hawk	G&S Kelly G&S Kelly G&S Kelly
PAPHIOPEDILUM Any Other Hybrid	1st 2nd 3rd	Paph St Swithins x <i>rothchildianum</i> x Pinocchio Paph unknown Paph Spring Fling x (Algonquin x Hamana Emy)	L&G Johnson L&G Johnson L&G Johnson
<b>NOVICE</b> PHALAENOPSIS	1st 2nd 3rd	Phal Unknown Phal Unknown Phal Unknown	C Milne F Davison C Milne
ANY OTHER	1st 2nd 3rd	Den Spring Dream Den Ice Lady V. Varut Leopard x Yoko Pusavat	L,B&M O'Neill F Davison F Davison
<b>SPECIES</b> AUSTRALIAN NATIVE	1st 2nd 3rd	<i>Den discolor</i> <i>Den speciosum</i> <i>Den discolor</i>	K. Owens P Serra McCulloch&Weaver

CATTLEYA	1st 2nd 3rd	<i>Rhyncholelia glauca</i> <i>Gur skinneri v alba</i> <i>Cat gaskelliana</i>	J. Nuss A&J Knowles L&G Johnson
BULBOPHYLLUM	1st 2nd 3rd	<i>Bulb longiflorum</i> <i>Bulb crassipes</i> <i>Bulb nasseri</i>	A&J Knowles A&J Knowles A&J Knowles
ANY OTHER	1st 2nd 3rd	<i>Den macrophyllum</i> <i>Trt splendidum</i> <i>Ludisia discolor</i>	F Davison A&J Knowles K. Owens

## Points Tables after August 2024

Name	Open	Novice	Species	Aggregate
Barlow H&M	56			56
Blanchard D	33			33
Bloom M	4		15	19
Cairns J	41		3	44
Cooper H	10		4	14
Davison/Roberts		21		21
Dundas R&E	6			6
Fidler S	13		7	20
Fighera B	34		1	35
Grant N&M	76		56	132
Gibson C	8			8
Hilder G&R	4		2	6
Horn J	21			21
Hughes W	18		24	42
Johnson L&G	221		49	270
Kelly G&S	138		4	142
Knowles A&J	10		45	55
MacIntyre J	6			6
McCulloch/Weaver	120		16	136
Milne C		16		16
Nicholson J	2			2
Nuss J			5	5
O'Neill, L&B&M		4		4
Owens K	83		22	105
Richardson J	32		16	48
Serra P&J	3		18	21
Sewell C&W	8			12

Triebel M&M		12	1	13
Walker J&S			7	14
Watt G	30		6	36
Whiting R	98		28	126

### TOS Annual General Meeting

**Our Annual General Meeting is coming up in October and all Management Committee positions will be vacant.**

**Now is the time to step up and assist the Society in whatever capacity you can. We are always looking for new blood on the Committee, and your help would be much appreciated.**

**Nominations forms are shown below and will also be available at the September meeting, but please note they must be submitted before Sunday the 13<sup>th</sup> of October (2 weeks before the AGM).**

**Reminder: Annual membership fees were due 1<sup>st</sup> September.**

**These fees may be paid at our September meeting or online (see payment details on Page 1).**

**If you remain un-financial, you will be unable to vote at our Annual General Meeting in October!**

On Page 12: Some photos from the Spring Show:

Top Left: **Grand Champion:** *Bulbophyllum graveolens*  
Exhibited by A&J Knowles

Top Right: **Champion Paphiopedilum & Reserve Champion:**  
Paph Michael Horowitz x Gary Romagna: Exhibited by Tao & K Ta

Bottom Left: **Best Specimen:** *Dendrobium anosmum:*  
Exhibited by R&E Dundas

Bottom Right: **Champion Novice:** *Epidendrum stamfordianum:*  
Exhibited by F Davison & K Roberts

## **Nomination form for the election of Officers**

We hereby nominate .....

for the position of .....

Proposer: Name..... Signature: .....

Seconder: Name: ..... Signature: .....

I accept the above nomination .....

(Signature)

Nominations for the positions of Office Bearers and Committee of Management must be in the hands of the Returning Officer **fourteen (14) clear days** before the Annual General Meeting.

Nominations must be in a sealed envelope and marked "Nominations." This envelope must then be handed to the Returning Officer or placed in a second envelope and posted to the Returning Officer care of the Society's postal address.

The Postal Address of the Society:

Townsville Orchid Society Inc.

PO Box 836

Aitkenvale QLD 4814

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### **Committee of Management:**

- President
- Treasurer
- Secretary
- 3 Vice Presidents:
  - Shows,
  - Hall,
  - Hospitality,
- Publicity Officer
- Committee members - 4

### **Other Officers** (these officers do not need to attend the Management meetings)

- Patron
- Editor
- Librarian
- Technical Officer
- Programme Director
- Hosts - 3

Others to be nominated:

Auditor

Returning Officer

Scrutineers - 2



Townsville Orchid Society Inc.

Proxy Form

I,..... of .....

being a member of the above-named Society, hereby

appoint..... of.....

or failing them,

..... of.....,

as my proxy to vote for me on my behalf at the Annual General Meeting of the Society,

to be held on the twenty-seventh day of October 2024 and at any adjournment thereof.

Signed this .....day of.....2024.

Signature.....

Unless otherwise instructed the proxy may vote as they think fit



**Council** – some members have indicated their support for collaborating with the Council on adding appropriate orchids to trees in front of the Council chambers and in the Anderson Park bushhouse.

**Technical Report** – Jeff Knowles

- Gave a handout to members.  
Safety. MSDS – materials safety data sheets contain information about those chemicals through an MSDS or SDS. Some information on sheet might be completely irrelevant to us eg shipping
- Make sure the chemicals are safe to use. Synthetic pyrethrum is still available.
- Causes cancer? – Warnings should be on there.

**Spring has sprung.** Not too hot and not too cold.

- **Catts** – new roots are starting to be thrown out. Time to repot. Try not to break off those root once you repot – then they will take off. If the roots are near the edge of the pot – time to repot.
- **Dendrobium** - throwing roots, start to water more and up the fertiliser. Phalaenathe dendrobium are ready to grow at this stage – once they start to grow give lots of water and food to help them grow. If they are dry and hot, you might end up with mites.
- Time to spray for mites - drench them so that the mites are not in the medium. Need a miticide not an insecticide.
- Wettable sulphur – safe. Mangazeb Plus has fungicide and miticide. Not systemic. Small collection – would be ok for small nurseries.

**There are some very high powered miticides that we don't usually use.**

- Good to alternate miticides because they could build up resistance.
- Neem oil – is it a miticide? Good to rotate with other things.
- Mix fertilisers and insecticides together but know what you are using.
- Identify the problem then spray for the problem.

**Early sign that you have mites.** Will get a number of shoots instead of a strong stem. Once they are on the leaves you have a very large infestation – silver leaf underneath. If you rub your finger over the leaf you will end up with red stripes on it.

**Judges Choice - Peter Lucke**

**Open Section:** Paph (St Swithins x *rothschildiana*) x Pinocchio, L. Johnson 73 points  
Slipper orchid – they reflex back a bit and can lose points for that. Will be good in time for show.

**Species:** *Den macrophyllum* F. Davison 74 points

New guinea species. Used a lot in breeding. Grow well in Townsville. Don't like repotting so try not to disturb it.

**Novice:** Den Spring Dream 'Apolion' L,B&M O'Neil 74 points

Crisp, clean flower.

Novices who put plants on the table were congratulated for their healthy, clean, crisp plants.

Some senior growers talked about various genera.

**John Nuss – looked at some of the Dendrobium species on display, one being -**

***Dendrobium speciosum*** – wowed the first Europeans who saw them in Sydney. Has a strong but very pleasant perfume. Grows almost from the Victorian border through New South Wales and up to and just beyond the Atherton Tablelands. Comes in about 10 different varieties these days. The variety on the table is possibly *Den speciosum var. hillii*.

**Bruno Figuera – commented on some of the Cattleya.**

Mini Catts – both first and second place in very good shape.

Spotted ones in pretty good shape – partial to them. Might not be award winning but very pretty. Common one 'Karen Sunrise'

Multiflora plants. Looked at one with lots of flowers - *Cattleya skinneri* (a species).

Bruno grows his Catts in perlite with stones on top. Because of his water, Bruno does not use Quincan as the Quincan collects salts and sediments and after 8 months the roots are damaged. Drainage rock doesn't hold water but creates a type of mulch on top. Stops the perlite drying out so quickly.

**Presentation – Ray Layton**

Ray explained that he was going to depart from the usual presentation that we are used to.

He would be using and explaining more scientific terms such as Electrons, Proton

Electromagnetic radiation, Energy, and Thermodynamics.

His lecture explained how and where Photosynthesis takes place in plants and showed diagrams about the Photosynthetic pathway.

Magnesium is important as it is part of the Chlorophyll action.  
Ray concluded that feeding orchids is the job of the sun.

Meeting closed 2.50pm

Troy McGill – President

Jan Allen - Secretary





## **Cultural Notes for next month - October**

### **General observations**

For the Kakadu mob: The season of Kurrung (hot and dry) will remain until mid-October. Then the pre-monsoon season of Kunumeleng starts. This is the start of hot and humid weather.

Thunderstorms build in the afternoons and the dry land greens up. The streams begin to run. Barramundi move from the waterholes to the estuaries to breed, and waterbirds spread out with the increased surface water and plant growth.

<https://parksaustralia.gov.au/kakadu/discover/culture/country/>

Townsville averages - humidity low but building, daytime temperatures high around 28°C and about 21°C at night. Only expect one day of rain during the month. The tropical 'Dry' season is still with us.

### **Pests and Diseases**

Look for attack from chewing insects, mealy bugs. Ants become a problem. Spray if found – pyrethrum, 'Success', 'Mavrik', 'Diazamin 200', 'Ficam W'

Spider mites become active. Rotate miticides - 7 day interval At least 3 treatments. 'Torque'

Preventative fungicide spray – **Mancozeb**, Alginox, Triforine, Bravo. Good air circulation is a good fungicide.

**Safety First!!** Remember that all horticultural poisons are poisonous to humans if mistreated.

### **The Cattleya Alliance**

Water once a week, depending on weather and mix. Mist to keep humidity up. Increase watering as temperature rises.

Fertilise weakly, weekly. Alternate Hi N, Lo N

Check new leads for damp off. Check for Dendrobium beetle, Spider mites.

Storms can trigger fungal attack. Spray as required.

### **Catasetum Alliance**

The monsoonal 'Dry' is here. The plants will drop their leaves and start their hibernation period. When that happens, cease watering. Move the plants to a section of the orchid house that does not get wet.

### **Oncidium Alliance**

Keep moist. Water early mornings. As the weather warms up, water more often. Alternate fertiliser. Weakly, twice weekly.

Hi N / Lo N. High light levels for flowering. Good air movement.

Look for insect damage - thrips, ants, mealy bugs, spider mites. Spray if found.

### **Phaphiopedilum**

Keep moist but not wet. Water / mist daily. Avoid wetting flowers & buds. Stake flower spikes.

Weak Campbells Yellow every 2<sup>nd</sup> water. Lo N, Hi PK. Check for mealy bug & anthracnose.

### **Phalaenopsis**

Water twice a week. As the weather warms up, water more often. Keep moist but not wet - mornings best time.

Weakly, weekly. with Lo N Hi PK fertiliser

Check for mealy bug, spider mites & anthracnose. Good air movement & humidity.

Beware of crown rot. Stake flower spikes.

### **Vandaceous**

Water daily in morning. As the weather warms up, water more often (twice a day).

Weakly, weekly. Lo N fertiliser.

Be aware of crown rot & Thai disease. Watch for grasshoppers- Carbaryl spray. Good air circulation

### **Phalaenanthe Dendrobium**

As new growth appears, start watering. Fertilise weakly, weekly-Hi N fertiliser.

Maintain watch on fungal attack. Check for Dendrobium beetle, Spider mites, ants.

Start of growing season. Divide & Repot.

### **Canaliculatum and Antelope type Dendrobium**

Water once a week (or less). Keep damp but not wet. Be aware of the often-heavy morning dew. Wet plants in the same way. Weak fertiliser when watering - Lo N. Check new leads for damp off.

Check for Dendrobium beetle, they should be less active. Red spider mites are more active.

Good air movement. High light levels. (Some trees shed old leaves at this time).

### **Soft Cane Dendrobium**

Should be in bud or flowering. Start to increase the shade. These plants seem to do better out of your orchid house.