Kapiteyn
FLOWER BULBS OUR NATURE

CAPTAIN CALLA

POTCALLA GROWING AGENDA & RECOMMENDATIONS 2025



How to grow your potcalla in 9/10 weeks

FEBRUARY 2025

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 00 / 09



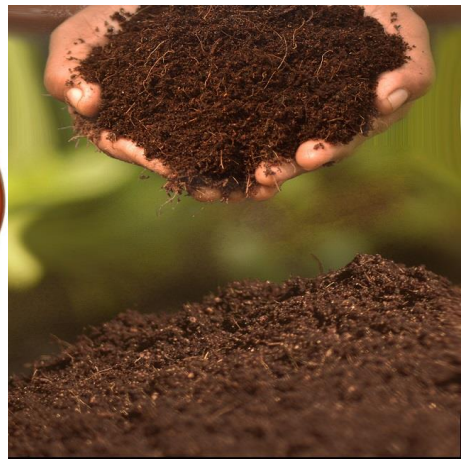
STARTING POINTS OF ATTENTION FOR GROWING POTCALLA

- Pay good attention to watermanagement
- Do not overwater Dutch calla's
- Take pictures of your calla's every week to share with your calla supplier
- The Kapiteyn Grower Support team is available to answer your questions
- Read carefully the potcalla growing instructions and this indication planting guide

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 00 / 09







PLANT SUBSTRATE AND POTS

- Use correct medium:
  Medium with high structure cocopeat and well drained
  The growing medium should be sterile and pH of 5.5 – 6.0
- Use correct new pots:
  Well drained with enough holes and a position structure below is placed directly on ground, make sure the water can flow away easily under the pots.

PLANTING

- Fill the pot for 2/3 with substrate, plant the calla and add 1/3 on top
- Preferably: Do not place the pot direct on the floor
- Water well during first time of watering (moist, not soaking)
- Start NPK : 6-14-27+5+TE = 1kg/m3

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 00 / 09





TUBERS HAVE ARRIVED

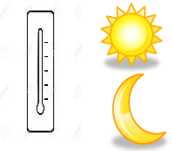
- Plant tubers immediately
- Tubers should be covered with at least 2 inches of planting substrate
- Drench with Root Shield Plus (4 oz/100 gallons of water).
- This watering session is the only session in the first stages.
- Place pots in area with high humidity or direct in greenhouse
- Cover the pots with acryl cloth and white(not transparant) plastic for approximately 10-14 days

SHORT TERM CALLA STORAGE INSTRUCTIONS

1. Set storage temperature at 9 °C / 48 °F
2. Set storage RH at 70%
3. Make sure ceiling air ventilators are switched on 24/7
4. Create a continuous flow of fresh air
5. Remove all packing lids from crates and create space between the pallets for a perfect flow of air

ADVISED TEMPERATURES & RH

OPTIMUM



NIGHT	DAY
68 °F	68 °F
20 °C	20 °C

Recommended RH: +/- 90-100%

POTCALLA GROWING AGENDA & RECOMMENDATIONS



LOW limited quantity of water; check the roots!

MEDIUM quantity of water ; check the roots!
Only water if necessary!

MORE water can be applied ; keep checking the roots and plant. Only water if necessary!

PEST & DISEASE MANAGEMENT

AVOID ERWINIA:

- Erwinia is a secondary disease, caused by Pythium and Rhyzoctonia, primary diseases.
- Use well draining substrate with preferred opentables or good horizontal airflow around and below the pots.
- Apply a strict water management according to the instructions in this agenda. Do not irrigate based on a schedule. Irrigate based on the needs of the product and conditions in the greenhouse(f.e. only when sun is shining).
- Avoid direct sunlight & high temperatures on plant and too high or low humidity.

POTCALLA GROWING AGENDA & RECOMMENDATIONS

DENSITIES OF POT SIZES PER M2

tuber size in cm of circumference	pot size in cm of diameter	number of pots/m2
22/+	20 >	16
20/22	15-20	20
18/20	15-17	20
16/18	13-15	25
14/16	11-13	30
12/14	9-11	32

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 01 / 09



WATER & COVER MANAGEMENT

- Do not water the pots during the time they are covered by acryl cloth and plastic
- Maintain sprouting temperature
- Regularly measure the inside temperature of the pots(max 68 °F / 20 °C)
- Keep the greenhouse RH as high as possible 70-75%
- After the first sprout emerge remove the plastic and after another 4-5 days remove the acryl cloth
- Shading at +/- 350 watt/m^2

ADDITIONAL WATER MANAGEMENT INFO

This information is valuable for every phase in the calla growing process

- Water one time at the start directly AFTER planting by overhead sprinkler
- Make the pots wet, especially at the toplayer of the substrate (roots come from above)
- Making pots wet does not mean soaking wet, just moist

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
68 °F	68 °F
20 °C	20-23 °C

Recommended RH: +/- 70-75%

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 02 / 09



FIRST SPROUTS APPEAR

- An application of PGR can be applied; make sure the top of the soil is moist before using.
- Do not use PGR untill the roots and sprouts appear
- The amount of PGR's needed depends on variety, size pot, type of greenhouse, time of the year and geographical location (ask the Kapiteyn specialist for indicative PGR schedule)
- Sort the pots in different stages
- The application of PGR is the second moment of watering
- Shading at +/- 350 watt/m^2

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate.

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
66-68 °F	66-68 °F
19-23 °C	19-23 °C

Recommended RH: +/- 60%

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 03 / 09



ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate.

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

MAIN AND SIDE ROOTS HAVE FORMED

- A second application of PGR can be applied; make sure the top of the soil is moist before using.
- Do not apply second PGR untill side roots appear
- The amount of PGR's needed depends on variety, size pot, type of greenhouse, time of the year and geographical location (ask the Kapiteyn specialist for indicative PGR schedule)
- Only apply PGR in sprouting stage, before leaves unfold!
- Plants that have not sprouted should be held in warm area until sprouts have emerged.
- Use Kristallon Orange 6-12-36 + 3MgO : 10 gr/m2
- EC at 3.0
- Shading at +/- 350 watt/m^2

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
61 °F	64 °F
16 °C	20-23 °C

Recommended RH: +/- 60%

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 04 / 09



COMPLETE EMERGENCE OF CROP

- Soil should not be wet but moist
- Use Kristallon Orange 6-12-36 + 3MgO: 10 gr/m2
- EC 3,0
- Remain to use shading at 350 watt/m^2.

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
59 °F	65-68 °F
14-16 °C	20-23 °C

Recommended RH: +/- 60%

Temperature & RH are important during the night!

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 06 / 09



FIRST BUDS ARE BECOMING VISIBLE

- Fertilize with Kristalon Orange 6-12-36 + 3MgO
- EC 3,5
- Do not let the substrate dry out
- If needed, give small quantities of water a few times a day
- Watering must be done in the morning (a few hours after sunrise) before temperature reaches 72 °F / 22 °C
- ONLY water when the sun is shining
- Remain to use shading at 350 watt/m^2

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content.

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
59-61 °F	65-68 °F
15-16 °C	18-20 °C

Recommended RH: +/- 60%

Temperature is important

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 07 / 09



FIRST FLOWER IS SHOWING

- Raise both day and night temperature if no buds are showing
- This first flower may be removed if desired
- (in case of dominant sprouts)
- A strong flush of flowers will follow in another 10 days
- Fertilize with Kristalon Orange 6-12-36 + 3MgO
- EC 3,0
- Remain to use shading at 350 watt/m^2.
- Keep the substrate moist. If substrate dries out, plants will green fast and flower life will be reduced.

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
58 °F	65-68 °F
14 °C	18-20 °C

Recommended RH: +/- 60%

Temperature is important

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 08 / 09



FERTILIZE WITH A STRONGE DOSE!

- Fertilize with Kristalon Orange 6-12-36 + 3MgO
- EC: 3,0
- Do not let the substrate dry out
- Plants need more water!
- Remain to use shading at 350 watt/m^2.

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate.

- When roots are strong and healthy white, the water management is good
- When roots are “transparant” and eventually brown, too much water has been applied!
- In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
58 °F	65-68 °F
14 °C	18-20 °C

Recommended RH: +/- 60%

Temperature is important

POTCALLA GROWING AGENDA & RECOMMENDATIONS

WEEK 09 / 09



MAIN FLUSH OF FLOWERS APPEAR

- Use Kristalon Orange 6-12-36 10gr/m^2
- EC: 2,5
- First plants are finished and ready to ship
- Place ready to ship plants in a cool area
- but not below 41 °F or 5 °C !
- Make sure the substrate is moist before sleeving and shipment
- Water the plant 1 day before sleeving!

ADDITIONAL WATER MANAGEMENT INFO

WE STRONGLY ADVICE THE FOLLOWING:

REGULARLY check the moist content in the pot! Turn the pot and pull off and check the roots and water content/humidity of substrate.

- ➢ When roots are strong and healthy white, the water management is good
- ➢ When roots are “transparant” and eventually brown, too much water has been applied!
- ➢ In case of transparant roots, contact your supplier.

ADVISED TEMPERATURES & RH

OPTIMUM

NIGHT	DAY
58 °F	65-68 °F
14 °C	18-20 °C

Recommended RH: +/- 60%

Temperature is important