

Introduction

The Callas listed in this catalog are all produced and grown in The Netherlands from fresh tissue culture to ensure healthy tubers.

Prior to shipping, all tubers are treated with Gibberellic Acid for enhanced flowering.

All tubers have had various temperature treatments to shorten the forcing period.



Advantages

Following the recommended guidelines will give these benefits:

- Faster rooting and production
- Stronger stems
- Larger flowers
- Minimal waste

Callas are harvested once a year and we ship them out weekly.

The new crop arrives in February.

2022 Calla Growing Schedule

will be available prior to shipping the new crop.

For more detailed information:
See our Step-by-Step Growing Schedule.
Our 2021 Growing Schedule for Callas 2021
is pictured on the left.





One of the characteristics of our tuber selection is that they have many eyes, ensuring a full plant with many flowers.



10-inch (25 cm.) pot 1 tuber size 24/up cm. or 3 tubers size 18-20 cm.





General Information

Callas can be grown year-round. It is important to understand that plants react differently in darker winter months than in warm, bright, summer months.

New crops (starting February 15th) will take longer than later plantings.

POT SIZES: S - M - L



Other Helpful Tips

- When tubers arrive, open the boxes or crates <u>immediately</u> so the tubers get fresh air. Do not store the tubers in closed coolers; always leave the door open a little for fresh air. Let the tubers sit for a few days (out of the sun) at 45 to 65°F. (8 to 18°C.).
- If possible, start the planted tubers in warmer temperatures.
- Watering should be kept to a minimum until the leaves unfurl.
- Soil should be sterile and well-drained with a pH between 6.0 and 6.5.
- After the leaves have completely unfurled, the plants need a lot more water to fully develop and produce optimum number of flowers.
- Light is very important to achieve as many flowers as possible.

Callas for Tot Production

- If possible, place pots with planted tubers in a warm and moist environment (72°F. or 22°C.) until all sprouts have developed.
- Once all sprouts have developed, containers can be placed in a cooler environment or outside as long as the temperatures do not dip below 45°F. (7°C.).





for Cut Flower and Pot Plant Production





Variety





Plant Characteristics



Pot Size

see pg 3.

Blooms

/ Tuber

Weeks

to Force

7 - 8

Natural

Height



| eon pink flowers have | 14-16 | 3 - 5 | S | 16 10 in | Spring |
|-----------------------------------|---|--|--|---|---|
| _ | | | | 10 - 10 111. | 10 - 11 |
| | | | | ~ | ~~~ |
| lowers stand above foliage. | | | IVI-L | 40 - 45 cm. | Summer |
| | 24/up | 9 -12 | L | | 8 - 9 |
| eep beetroot purple, slightly | 14-16 | 4 - 6 | S | | Spring |
| ghter towards edges, floriferous. | 16-18 | 6 - 8 | S-M | 12 - 14 in. | 10 - 11 |
| | 18-20 | 8 -10 | M | ~ | ~~~ |
| orcing variety for all seasons. | 20-22 | 10-12 | M-L | 30 - 35 cm. | Summer |
| ,, | 24/up | 12+ | L | | 8 - 9 |
| leasant nastel vellow flowers | 14-16 | 3 - 5 | S | | Spring |
| , , | 16-18 | 4 - 6 | S-M | 12 - 14 in. | 10 - 11 |
| | 18-20 | 5 - 8 | М | ~ | ~~~ |
| - | 20-22 | 7 - 9 | M-L | 30 - 35 cm. | Summer |
| | 24/up | 8 -10 | L | | 8 - 9 |
| herry red flowers have red | 14-16 | 3 - 5 | S | | Spring |
| , . | | | | 14 - 16 in | 9 - 10 |
| | | | | ~ | ~~~ |
| * ' | | | | 35 - 10 cm | Summer |
| | ontrasting white bases. Soliage is lightly speckled. Sowers stand above foliage. Seep beetroot purple, slightly shart towards edges, floriferous. Soaves are heavily speckled. Easy | antrasting white bases. Indiage is lightly speckled. Indiage is speckled. Indiage | intrasting white bases. Interesting white bases. Interes | Intrasting white bases. Intrasting white bases. Indiage is lightly speckled. Is 20 5 - 8 M Is 20 7 - 10 M-L Is 24/up 12 | ### 16 - 18 in. ### 16 in. ### 18 - 20 in. ### |

Tuber Size

in cm.

24/up

9 -12







| variety | Plant Characteristics | III CIII. | / Tuber | see pg 3. | Height | to Force |
|---------------|--------------------------------------|-----------|---------|-----------|-------------|----------|
| | | | | | | |
| CANCUN | Pure orange flowers are brushed | 14-16 | 3 - 5 | S | | Spring |
| | golden yellow from tip of the petal | 16-18 | 4 - 6 | S-M | 14 - 16 in. | 10 - 11 |
| | to the base. Wide, solid green | 18-20 | 5 - 8 | М | ~ | ~~~ |
| | foliage. Earlly forcing variety. | 20-22 | 7 -10 | M-L | 35 - 40 cm. | Summer |
| | | 24/up | 9 -12 | L | | 8 - 9 |
| CHERRY KISS | Large, lipstick pink flowers have | 14-16 | 3 - 5 | S | | Spring |
| | white base. Leaves have no | 16-18 | 4 - 7 | S-M | 14 - 16 in. | 10 - 11 |
| | speckles. | 18-20 | 5 - 9 | М | ~ | ~~~ |
| | Robust plant, reads well to PGR's. | 20-22 | 8 -12 | M-L | 35 - 40 cm. | Summer |
| | Slower forcing variety. | 24/up | 12+ | L | | 8 - 9 |
| CORVETTE | Pleasant vibrant salmon red flowers; | 14-16 | 3 - 5 | S | | Spring |
| | floriferous. | 16-18 | 4 - 6 | S-M | 14 - 16 in. | 9 - 10 |
| | Foliage has some speckles. | 18-20 | 5 - 9 | М | ~ | ~~~ |
| | | 20-22 | 8 -12 | M-L | 35 - 40 cm. | Summer |
| | | 24/up | 12+ | L | | 7 - 8 |
| DUTCH CREAM | Flowers open cream and turn pure | 14-16 | 3 - 5 | S | | Spring |
| DOTOTI ORLANI | white; green vein on outside of | 16-18 | 4 - 6 | S-M | 16 - 18 in. | 10 - 11 |
| | flower. Few speckles on the leaves. | 18-20 | 5 - 8 | M | ~ | ~~~ |
| | Compact plant. | 20-22 | 7 -10 | M-L | 40 - 45 cm. | Summer |
| | | 24/un | 0 -12 | 1 | | 8 - 0 |





Callas

for Cut Flower and Pot Plant Production











Trench Child





| | Description & | Tuber Size | Blooms | Pot Size | Natural | # Weeks |
|--------------|--|------------|---------|-----------|-------------|----------|
| Variety | Plant Characteristics | in cm. | / Tuber | see pg 3. | Height | to Force |
| | | | | | | |
| FRENCH KISS | Pleasant two-toned flowers are | 16-18 | 4 - 6 | S-M | 16 - 18 in. | Spring |
| | white with lipstick pink edges and | 18-20 | 5 - 8 | М | ~ | 11 - 12 |
| | pink blush. No speckles on foliage. | 20-22 | 7 -10 | M-L | 40 - 45 cm. | Summer |
| | | 24/up | 9 -12 | L | 40 40 CIII. | 9 - 10 |
| capt. FRESCO | Pure white on inside, green tint | 14-16 | 3 - 5 | S | | Spring |
| | on outside. Some speckles on | 16-18 | 4 - 6 | S-M | 16 - 18 in. | 10 - 11 |
| | foliage. | 18-20 | 5 - 9 | М | ~ | Summer |
| | Floriferous. Compact plant. | 20-22 | 8 -12 | M-L | 40 - 45 cm. | 8 - 9 |
| GOLD COAST | Pleasant lemon yellow with green | 14-16 | 3 - 5 | S | 40 40 ' | Spring |
| | base and green vein on outside. | 16-18 | 4 - 6 | S-M | 16 - 18 in. | 10 - 11 |
| | Flowers open fully. Speckled foliage. | 18-20 | 5 - 8 | М | ~ | Summer |
| | | 20-22 | 7 -10 | M-L | 40 - 45 cm. | 8 - 9 |
| GOLD MEDAL | Gold toned yellow with mango blush | 18-20 | 5 - 9 | L | 18 - 20 in | Spring |
| GOLD MILDAL | towards base. Excellent for <u>CUT</u> | 20-22 | 8 -12 | L | 45 - 50 cm. | 10 - 11 |
| | | | | | | |
| HALIFAX | Hot purplish pink, brushed white, | 14-16 | 3 - 5 | S | | Spring |
| | all white towards small black base. | 16-18 | 4 - 6 | S-M | 14 - 16 in. | 10 - 11 |
| | Heavily speckled leaves. Excellent | 18-20 | 5 - 8 | М | ~ | ~~~ |
| | variety for year-round forcing. | 20-22 | 7 -12 | M-L | 35 - 40 cm. | Summer |
| | | 24/up | 12+ | L | | 8 - 9 |







Callas



| Ednie Flower Bulbs | for Cut Flower and Pot Plant Production | | | | | | | |
|--------------------|---|---|-------------------------|-------------------------|--------------------|----------------------------|---------------------|--|
| | Variety | Description & Plant Characteristics | Tuber Size in cm. | Blooms / Tuber | Pot Size see pg 3. | Natural Height | # Weeks to Force | |
| | HAWK EYE | Rich red, darker at tips and darker on outside. Easy forcing | 14-16 16-18 18-20 | 3 - 5 4 - 6 5 - 8 | S S-M M | 14 - 16 in. | Spring 9 - 10 | |
| | | variety. One of the better red varieties avaliable. | 20-22 24/up | 7 -12 12= | M-L L | 35 - 40 cm. | Summer 7 - 8 | |
| Hawk | HOLLAND ART | Yellow, very slight red towards tips which sometimes wraps | 14-16 16-18 | 3 - 5 4 - 6 | S S-M | 16 - 18 in. | Spring 10 - 11 | |
| Eye | | around the edges. Some speckles on foliage. | 18-20 20-22 24/up | 5 - 8 7 -10 9 -12 | M M-L L | ~ 40 - 45 cm. | Summer 8 - 9 | |
| United (1) HAV | ICE ART | Pure white, well suited for <u>CUT</u> flowers. Floriferous. No speckles. | 18-20 20-22 | 6 - 9 8 -12 | L L | 18 - 20 in. 45 - 50 cm. | Spring 10 - 11 | |
| | LA PAZ | Blueberry purple, black base, outlined in light purple. Excelllent | 14-16 16-18 | 5 - 8 7 -10 | L L | 18 - 20 in. 45 - 50 cm. | Spring 10 - 11 | |
| | capt. LIDO | for <u>CUT</u> . Combination of brushed orange and blushed yellow, outside yellow. | 14-16 16-18 | 3 - 5 4 - 6 | S S-M | 14 - 16 in. | Spring 9 - 10 | |
| | | Excellent forcing variety. Some speckles on foliage. | 18-20 20-22 24/up | 5 - 8 7 -10 9 -12 | M M-L L | ~ 35 - 40 cm. | Summer 7 - 8 | |
| Gent Series | | | | | | | | |











| | Description & | Tuber Size | Blooms | Pot Size | Natural | # Weeks |
|-------------|---|----------------|----------------|-----------|---------------|-------------------|
| Variety | Plant Characteristics | in cm. | / Tuber | see pg 3. | Height | to Force |
| | | | | | | |
| MANGO BLUSH | Mango yellow flowers have a | 14-16 | 3 - 5 | S | | Spring |
| | random light orange blush, | 16-18 | 4 - 6 | S-M | 16 - 18 in. | 10 - 11 |
| | tiny black base. | 18-20 | 5 - 8 | М | ~ | ~~~ |
| | Heavily speckled foliage. | 20-22 | 7 -10 | M-L | 40 - 45 cm. | Summer |
| | | 24/up | 9 -12 | L | | 8 - 9 |
| MORNING SUN | Vivid sunrise orange, some yellow; | 14-16 | 3 - 5 | S | | Spring |
| | outside is orange to yellow base. | 16-18 | 4 - 6 | S-M | 14 - 16 in. | 10 - 11 |
| | Heavily speckled foliage. | 18-20 | 5 - 8 | М | ~ | ~~~ |
| | , | 20-22 | 7 -12 | M-L | 35 - 40 cm. | Summer |
| | | 24/up | 12+ | L | | 8 - 9 |
| capt. ODEON | Large hot orange with random | 18-20 | 5 - 8 | | 18 - 20 in. | Spring |
| Capt. ODLON | yellow blush. Excellent for <u>CUT</u> . | 20-22 | 7 -10 | L | 45 - 50 cm. | 10 - 11 |
| ODECCA | Constant dead on contract the maintaintee | 14-16 | 3 - 5 | S | | Spring |
| ODESSA | Super dark purple with midnight | 16-18 | 3 - 3 4 - 7 | S-M | 16 - 18 in. | 3pring 10 - 11 |
| | purple in center, fine light line on | 18-20 | 6 - 9 | M M | 10 - 10 111. | 10 - 11 |
| | edge. | 20-22 | 7 -10 | M-L | 40 - 45 cm. | Summer |
| | Few speckles on foliage. | 20-22 24/up | 9 -12 | L | 40 - 45 CIII. | 8 - 9 |
| | | 24/up | 9-12 | L | | 0 - 9 |
| PACO | Antique fuschia with very dark | 14-16 | 3 - 5 | S | | Spring |
| | centers, dark outside of petals. | 16-18 | 4 - 6 | S-M | 14 - 16 in. | 9 - 10 |
| | Very few speckles on lance-shaped | 18-20 | 5 - 8 | М | ~ | ~~~ |
| | green foliage. | 20-22 | 7 -12 | M-L | 35 - 40 cm. | Summer |
| | | 24/up | 12+ | L | | 7 - 8 |







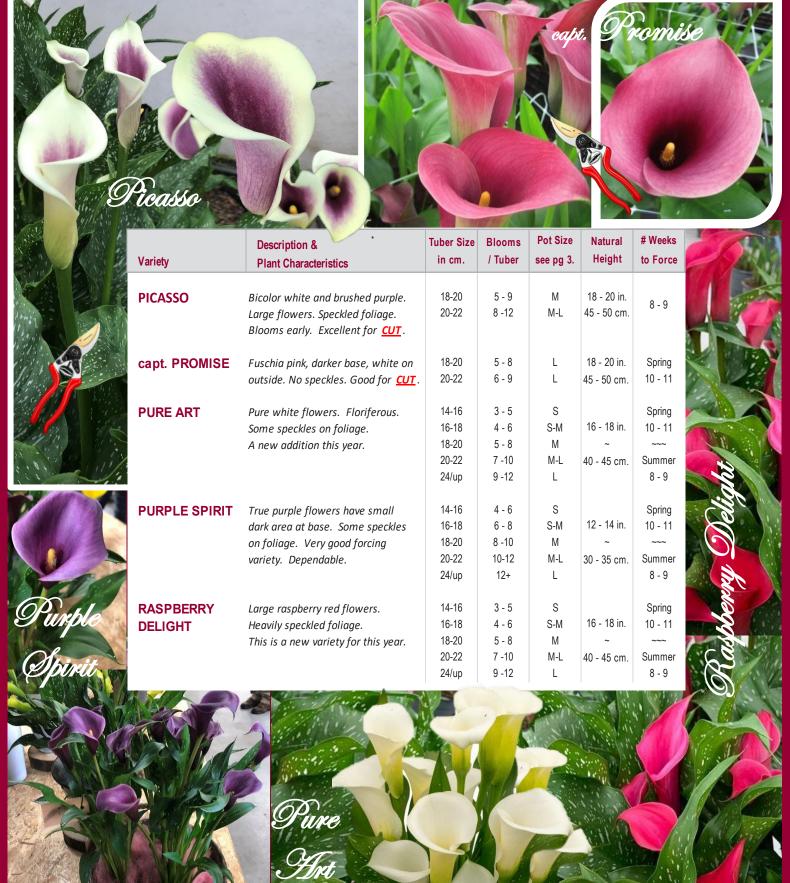






for Cut Flower and Pot Plant Production



















see pg 3.

Height

to Force

/ Tuber

| diffety | Fidili Gildi delelistics | | | 69 | | |
|---------------|--|---|---|---------------------------|---------------------------------|--|
| SUN CLUB | Large buttercup yellow flowers. Some speckles on foliage. Excellent variety for year-round production. | 14-16 16-18 18-20 20-22 24/up | 3 - 5 4 - 6 5 - 8 7 -12 12+ | S S-M M M-L L | 14 - 16 in. ~ 35 - 40 cm. | Spring 9 - 10 Summer 7 - 8 |
| TORONTO | Hot magenta pink, dark base, offset by darker stems, Heavily speckled wider foliage. Great new addition. | 14-16 16-18 18-20 20-22 24/up | 3 - 5 4 - 6 5 - 8 7 -10 9 -12 | S S-M M M-L L | 14 - 16 in. ~ 35 - 40 cm. | Spring 9 - 10 ~~~ Summer 7 - 8 |
| capt. VENTURA | Large pure white, opens with a whisper of pink. Excellent for CUT. | 16-18 18-20 | 5 - 8 6 - 9 | L L | 18 - 20 in. 45 - 50 cm. | Spring 10 - 11 |
| WHITE FLIRT | Slightly wavy white flowers have creamy throats. Dark green foliage is heavily speckled. Dependable variety for year-round production. | 14-16 16-18 18-20 20-22 24/up | 3 - 5 4 - 6 5 - 8 7 -12 12+ | S S-M M M-L L | 14 - 16 in. ~ 35 - 40 cm. | Spring 10 - 11 Summer 8 - 9 |

NEW and UPCOMING crop 2022 - available SPRING 2023

| Red and yellow flowers have | 14-16 | 3 - 5 | S | | Spring |
|-------------------------------|-------|--------|-----|-------------|---------|
| contrasting black base. | 16-18 | 4 - 6 | S-M | 16 - 18 in. | 10 - 11 |
| Heavily speckled foliage. | 18-20 | 5 - 8 | M | ~ | ~~~ |
| This new addition will not be | 20-22 | 7 -10 | M-L | 40 - 45 cm. | Summer |
| | 24/up | 9 - 12 | L | | 8 - 9 |
| available until next year. | 1 | | | | |





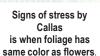
Callas for Cut Production

Callas for cut production can be grown in different ways:

- In ground beds in the greenhouse.
- In ground beds outside when soil temperature is at least 55°F. (13°C.).
- In plastic crates, inside or outside. They can be started inside and moved as long as the temperature does not dip below 45°F. (7°C.).

If possible, place planted tubers in a warm and moist environment at 72°F. (22°C.) until all sprouts have emerged. Then the crates can be moved to a cooler area.

 In Gerbera /trough (similar to strawberries) system (see illustration).





Number Tubers Planting

| Size Tuber | Crate | Square Yard |
|---------------|-------|-------------|
| 14 - 16 cm. | 7 - 8 | 18 |
| 16 - 18 cm. | 6 - 7 | 16 |
| 18 - 20 cm. | 5 - 6 | 14 |
| 20 - 22 cm. | 4 - 5 | 12 |
| 24 / up cm. | 3 - 4 | 10 |
| | | |

Diseases

There are two diseases which can affect Callas:

<u>PYTHIUM</u> - can be seen when roots look glassy instead of white. This
is caused by an environment which is too wet. Avoid overwatering
at all costs, especially at the beginning of the crop.

It can be treated with fungicides such as Agrimycin or Ridomil Gold. Always follow instructions on label.

<u>ERWINIA</u> - is the most common disease in Callas. Remember...
It is a <u>secondary</u> disease and almost always occurs when the
plant is under stress which can be from overwatering or poor
drainage.

The best recommendation is to <u>carefully</u> remove the diseased (collapsed) plants. It is a bacterial disease and can spread to its neighbor by careless handling of the diseased plants.

Clean hands, tools etc. with a disinfectant!







Callas in Bulb Crates



Callas in Gerbera or Trough System

Other Helpful Tips for Cut Production

- Because tubers produce heavy stalks with (sometimes) many leaves, it is essential that plants receive enough light to form flowers. If tubers are planted too closely, flower production will be decreased. See chart on left for tuber spacing.
- Proper crate depth is important. Tubers should be covered with 2" (5 cm.) of soil. This is needed because roots form on top of the tuber and then move down. There should be at least 2" soil (preferrably more) below the tuber because Callas produce many strong roots.
- When plants are growing, do not place crates on benches as the soil may get too warm.
- In warmer areas outside, it is helpful to cover the soil with either straw or other material to keep soil as cool as possible.
- Light is very important to achieve as many flowers as possible.
 However, for stem length, some shading may be needed, especially in the warmer months.
- To maintain healthy roots, grower should always check them.
 Preventing disease is always easier!
- When harvesting, do not cut flowers, rather <u>PULL THE STEMS</u> to avoid damaging the tuber and cause disease.
- Some leaves can be pulled to use for fillers in bouquets.
- Because of the longevity of the flowers, harvesting does not need to be done daily.
- Freshen water often in the pails with flowers but do <u>not</u> fill the pail, just a few inches is best. Cut the stems with a sharp knife at a 45° angle. Repeat each time when the water is refreshed.
- To prevent slimy stems, add a little disinfectant (such as peroxide) to the water.





For Cut Flower Production

This collection consists of 5 tubers each of the following 7 colors

RED WHITE
YELLOW PURPLE
PINK SURPRISE...
ORANGE 35 tubers in total

All tubers are size 20-22 cm.

The varieties will be named but will vary per season or holiday like Easter. Mother's Day, Summer & Fall.

Cut flower Callas can be succession planted every four weeks. First plants will start to bloom 8 weeks after planting.

If well-watered, Callas will produce flowers for at least 4 weeks. Each tuber will produce 5 - 8 flowers.

Collections for Cut and Fot

For Pot Plant Production

Easter 2022

25 HAWK EYE red
25 SUN CLUB yellow
25 DUTCH PINK pink
25 CANCUN orange
25 SIBERIA white

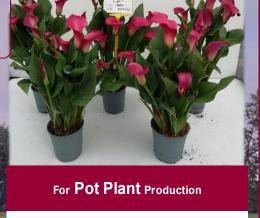
25 HALIFAX lilac

150 All tubers are size 18-20 cm.

Since Easter is always early for NEW crop Callas, these bulbs have to be flown into the US in order to ship these (Easter only) orders week 5 (2022).

There will be a minimal surcharge

All varieties are subject to change. If necessary, we may have to substitute with varieties equal in size or larger.



Mother's Day 2022

25 ANDANTE cherry red
25 HOLLAND ART yellow
25 CHERRY KISS pink
25 Capt. BRUNELLO orange
25 DUTCH CREAM white

150 All tubers are size 18-20 cm.

lilac

red

25 PURPLE SPIRIT

All varieties are subject to change. If necessary, we may have to substitute with varieties equal in size or larger.

For Pot Plant Production

Summer or Fall 2022

25 MANGO BLUSH mango
25 SUN CLUB yellow
25 DUTCH ORANGE orange
25 CANCUN orange
25 PURPLE SPIRIT lilac

25 HAWK EYE

150 All tubers are size 18-20 cm.

All varieties are subject to change. If necessary, we may have to substitute with varieties equal in size or larger.

Enjoyed the Catalog? More following soon...

Schedule Your Calla Orders Early...

Since Callas can be grown Year-Round, inventory dwindles fast.

Therefore, booking your orders for an entire year is a MUST in order to procure the varieties you prefer.

We aim to please everyone, but "First come - First served" is only fair to EVERYONE!



Any Calla Questions?

Ednie's Growing Support Team is able and willing to help you with

- Scheduling Programs
- Cultural Questions
- Variety Selection

Contact us via E-mail: (preferred)

<u>GrowerSupportTeam@EdnieFlowerBulb.com</u>

or via Phone: (973) 903-7253

Index Variety Red CANBERRA **CORVETTE** 5 HAWK EYE RASPBERRY DELIGHT 10 SERENA DE 11 SHINY ART 11 Yellow **DUTCH GOLD** 6 **GOLD COAST** GOLD MEDAL **HOLLAND ART** 8 SUN CLUB 12 Pink **ANDANTE** CHERRY KISS 5 **DUTCH PINK** 6 capt. PROMISE 10 capt. ROMANCE 11 **SANTIAGO** 11 **TORONTO** 12 Orange capt BRUNELLO 4 **CANCUN DUTCH ORANGE** continued next column...

| Ų | y Color | |
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Ednie Flower Bulbs presents...



