



Cora® XDR Deep Strawberry

syngenta flowers®

# Vinca Cora® XDR

## Culture Guide

**Botanical name:** *Catharanthus roseus*

**Product form:** Seed

**Containers:** Packs, Pints, Quarts, Gallons

**Habit:** Upright

### Garden Specifications

**Garden Height:** 14–16" (35–40 cm) tall

**Garden Width:** 18–20" (45–50 cm)

**Exposure:** Full sun

**USDA zone:** 11

**AHS zone:** 12–1

**Product use:** Packs, Containers, Landscapes, Patio Pots, Combos

### Germination

Stages 1 & 2

**Germination time:** 7–8 days

**Media temp:** 76–78 °F (24–25 °C)

**Chamber:** Optional

**Light:** Not required for germination

**Seed cover:** Yes

**Moisture level: 5 - SATURATED:** Soil is dark brown and shiny, free water is present at the surface of the soil, water drips freely from the bottom of the tray, and trays are heavy with a visible bend in the middle.

**Rec. tray size:** 288-cell tray

**Seed cover:** Yes

### Young Plant Production

Stage 3 & 4

#### **Temperature**

**Day:** 74–76 °F (23–24 °C)

**Night:** 74–76 °F (23–24 °C)

**Average daily temperature:** 74–76 °F (23–24 °C)

#### **Lighting**

**Day extension lighting:** Not necessary

**Light intensity:** 2,000–3,000 foot candles (400–500 micro mols)

**Day length response:** Day neutral

**Day light integral:** 14–16 mols/day

**Media pH:** 5.5–5.9

**Media EC:** SME EC: 0.9–1.3 mS/cm

**Fertilizer:** 75–125 ppm N

**Moisture level:** Media should be allowed to dry between irrigations. Alternate between moisture level 3 and 4.

**2 - MEDIUM:** Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

**3 - MOIST:** Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

**4 - WET:** Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

**Pinching:** No

**Plant growth regulators (PGRs):** Usually not needed in propagation; under low light levels B-Nine® may be sprayed at 1,500–2,500 ppm. Do not use Bonzi® to avoid potential phytotoxicity.

**Plug grow time:** 5 weeks in a 288-cell tray

**Comments:** Soil temperatures lower than 75 °F (23 °C) during germination may decrease germination rates. Keeping media pH at 5.8 or lower will help reduce the likelihood of Thielaviopsis infections.

### Finishing

#### **Temperature**

**Day:** 76–78 °F (24–26 °C)

**Night:** 64–66 °F (18–19 °C)

**Average daily temperature:** 70 °F (21 °C)

#### **Lighting**

**Day extension lighting:** Not necessary

**Light intensity:** 6,000–8,000 foot candles

**Day length response:** Day neutral

**Day light integral:** Greater than 18 mols/day

**Transplanting:** Transplant directly into the finished container. Place the rooting media slightly below the level of media in the container. Make sure that the root ball is covered and that the cutting is situated in the center of the pot.

**Media pH:** 5.5–5.9

**Media EC:** SME EC: 1.5–2.1 mS/cm, PourThru EC: 2.3–3.2 mS/cm

**Fertilizer:** 125–175 ppm N

**Pinching:** No. Pinching is not recommended or needed.

**Plant growth regulators (PGRs):** If needed sprays of B-Nine® at 2,500–5,000 ppm or A-Rest at 2–4 ppm may be applied.

**Tech tip:** Start with a disinfected growing area and keep media pH below 5.8 to help avoid Thielaviopsis infections. Cora XDR's disease resistance is targeted to aerial Phytophthora which is a serious landscape disease in southern climates. It may have higher resistance to other diseases but is still susceptible to Thielaviopsis. Control Thrips to prevent INSV or TSWV infections. Do not try to finish Vinca early in the North since the plants need high light and warm temperatures to grow adequately. PGRs are usually not required except in pack production. Never apply Bonzi® to Vinca since leaf spotting may occur.

## Example crop schedule for a large pack

| Weeks From Transplant | Description   |
|-----------------------|---|
| 1 week                | Apply preventative fungicide drench for Thielaviopsis and Pythium |
| 2 weeks               | Start Thrips monitoring program                                   |

**CHRYSALESCO** Try Chrysal Alesco, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

**Moisture level:** Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4.

**2 - MEDIUM:** Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

**3 - MOIST:** Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

**4 - WET:** Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

**Common pests:** Thrips, Fungus Gnats and Shore Flies

**Common diseases:** Thielaviopsis, Rhizopus, Rhizoctonia, Pythium and Tospovirus (INSV and TSWV)

## Scheduling

| Size  | Crop Time  | Plants Per Pot |
|---|------------|----------------|
| Packs   | 5–8 weeks  | 1 ppp          |
| Large Packs                                       | 5–8 weeks  | 1 ppp          |
| 1.0 pint (4 inch)                                 | 5–9 weeks  | 1 ppp          |
| 1.0 quart (4.5 to 5 inch)                         | 5–9 weeks  | 1 ppp          |
| 1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon) | 6–10 weeks | 1–3 ppp        |

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 70 °F (21 °C).



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