Canna
Toucan™

NUTRITION
pH: 6.2 – 7.0
EC: (2:1 extraction method) 1.0 – 2.0
Constant feeding at 150ppm – 200ppm nitrogen until well rooted **and then 200ppm – 300ppm** using a fertilizer selected for grower's water quality and soil mix is recommended.

TEMPERATURE
Rooting out: 70 – 75 F
Growing on: 70 – 75 F night and 75 – 85 F day
Holding: 65 – 68 F

WATERING
Keep the Toucan™ *Canna* moist at all times. Avoid long periods of moderate soil moisture levels or severe soil drying. Such low levels of soil moisture can lead to leaf damage and loss of lower leaves. Unlike most crops using soil moisture levels to control plant growth and quality is not recommended.

TIMING
4" – 5": 5 – 7 weeks with one 72 cell plant per container.
6"/1GL Royale: 6 – 8 weeks with one to two 72 cell plants per container.
8": 7 – 9 weeks with one to two 72 cell plants per container.
10" – 12": 8 – 11 weeks with two to three 72 cell plants per container.

On average, flowering will occur in 10 – 12 weeks based on average growing temperatures and light levels.

PLANTING
72 liner cell plants should be planted slightly deeper than the liner root ball into a well-drained soil mix selected to match individual water quality and fertilizer blends. Water in thoroughly with fertilizer at 150ppm – 200ppm nitrogen and apply fertilizer at each irrigation. Maintain a uniformly moist, but not saturated soil moisture level.

LIGHT/LIGHTING
The Toucan *Canna* should be grown in high light level area of the greenhouse for optimal plant development, shoot development and flowering. No day length lighting manipulation is required.

GROWTH REGULATORS
Growing under high light conditions, with adequate spacing, moist soil levels, recommended temperatures and higher fertilizer levels will produce the highest quality plants and lower the need for any PGR treatments.

If a PGR treatment is desired for plant toning or to control size Bonzi (paclobutrazol) as a drench at a rate of 1ppm – 4ppm can be applied.

PEST and DISEASE MANAGEMENT
With proper growing conditions, space and water management disease issues should not be a problem.

Spider Mites are the primary pests of concern. Scout crops on a regular basis and use control measures as needed.

OUTDOOR GROWING SCHEDULE
The Toucan *Canna* are heat loving tropical plants and should be grown outdoors only after the danger of cool weather has past and temperatures have warmed. The foliage can be damaged from chilling temperatures. At Four Star (Michigan) we would only move these crops outdoors for finishing in later May if weather allowed.

OTHER TIPS
For proper plant growth, flowering time and desired finished quality, provide high light levels, warm/tropical temperatures, adequate spacing, managed moisture levels that are at a higher level than most crops, and higher than average nutrition levels. Plants should be scheduled and grown in timeframes which supply these requirements. In many areas of the country it is best to schedule the Toucan *Canna* for later spring and summer sales.

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The rates and chemicals listed are based on our southeast Michigan growing conditions, and are not recommended for nationwide application. Please adjust the rates and spray applications to your location and facility.