

## Grass Miscanthus Sinensis

(*Miscanthus sinensis*)

### Propagation

Propagation prohibited. Licensed propagation only.

### Growing On to Finish

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##### Media

- Use media with good aeration and drainage.
- Prefers a medium that is high in organic matter.
- A pH of 5.8 to 6.2 is optimum.

##### Temperature

- **Nights:** 55 to 60°F (13 to 16°C)
- **Days:** 65 to 75°F (18 to 23°C)
- Temperatures below those recommended will slow plant growth significantly or cause dormancy.
- An average daily temperature of 65 to 75°F (18 to 13°C) is optimal, but plants will tolerate a wide range of temperatures.

##### Light

- Will perform best under moderate to high light levels of 5,000 to 8,000 f.c. (50,000 to 80,000 Lux).
- Best plant quality will be achieved when grown outdoors in full sun.

##### Watering

- The media should be allowed to dry moderately between watering and never saturated. However, plants should not be allowed to wilt at any time.
- Leach regularly to avoid the buildup of high soluble salt levels.

##### Fertilizer

Use a balanced fertilizer at a rate of 150 to 200 ppm. Periodic use of a calcium based fertilizer should help optimize the nutrient levels.

##### Pinching

Not required.

### Controlling Growth

- No growth regulators required

### Common Problems

**Insects:** Low sensitivity. Watch for spider mites.

**Diseases:** Very rust resistant.

### Key Tips

Plants grow slowly or go completely dormant under short days and cold temperatures.

### Problems Causes

**Light colored growth** Excessive ammonium-based fertilizer

Over-fertilization under low light conditions  
Low light and over-watering; saturated media  
Low pH and/or media Calcium levels

**Yellowing of older foliage/ crown rot** Saturated media, excessive drought

### Foliage necrosis

High soluble salts in media  
Excessive water stress

### Crop Schedule & Uses

(Crop Schedule in Weeks – Spring planting is recommended for this crop. Plants can be fall planted in temperate climates. Finished plants should be established prior to wk45 for best results when fall planted.)

From 72-cell liner

**1 PPP\* 1qt. (10-cm) Pot**

**Liner 8 - 10 weeks**

**1 PPP\* 1-gal. (15-cm) Pot**

**Liner 12 - 14 weeks**

**1 to 3 PPP\* 2 to 3-gal. (25 to 30-cm) Pot**

**Liner** 18 - 20 weeks. Consider using larger cell size for faster finish.

**PPP\*** Plants per pot.

