

Program # 8
 Effective Date: November 1, 2011
 F.O.B: Alva, FL

Green Leaf Plants - MANDEVILLA

Item#	Tag Rule	Item	Tray Count	Price Each	Price Tray
8-33159-O	T3	MANDEVILLA ALICE DUPONT (Pink Trailing/Climbing)	72	1.064	\$76.58
8-79078-O	T1	MANDEVILLA SUN PARASOL GIANT CARMINE KING (Patented)	72	1.404	\$101.06
8-73066-O	T1	MANDEVILLA SUN PARASOL GIANT CRIMSON (Patented)	72	1.404	\$101.06
8-75968-O	T1	MANDEVILLA SUN PARASOL GIANT PINK (Patented)	72	1.404	\$101.06
8-76319-O	T1	MANDEVILLA SUN PARASOL GIANT WHITE (Patented)	72	1.404	\$101.06
8-67535-O	T1	MANDEVILLA SUN PARASOL ORIGINAL BURGUNDY (Patented)	72	1.304	\$93.86
8-75962-O	T1	MANDEVILLA SUN PARASOL ORIGINAL CREAM PINK (Patented)	72	1.304	\$93.86
8-75963-O	T1	MANDEVILLA SUN PARASOL ORIGINAL CRIMSON (Patented)	72	1.304	\$93.86
8-75967-O	T1	MANDEVILLA SUN PARASOL ORIGINAL DARK RED (Patented)	72	1.304	\$93.86
8-79077-O	T1	MANDEVILLA SUN PARASOL ORIGINAL LUSH CRIMSON (Patented)	72	1.304	\$93.86
8-67536-O	T1	MANDEVILLA SUN PARASOL ORIGINAL PINK (Patented)	72	1.304	\$93.86
8-77628-O	T1	MANDEVILLA SUN PARASOL ORIGINAL STARS & STRIPES (Patented)	72	1.304	\$93.86
8-67537-O	T1	MANDEVILLA SUN PARASOL ORIGINAL WHITE (Patented)	72	1.304	\$93.86
8-75965-O	T1	MANDEVILLA SUN PARASOL PRETTY CRIMSON (Patented)	72	1.304	\$93.86
8-75966-O	T1	MANDEVILLA SUN PARASOL PRETTY PINK	72	1.304	\$93.86

Shipping Season:	Year round.
Packing & Minimum Order Information:	Packed 3 trays per box. Minimum per variety is 1 tray. Minimum order is one box (216 plants). Orders under \$300.00 are welcome, but will be subject to a \$19.75 processing fee.
Freight Charges:	Freight is NOT included and will be added to the invoice
Ship Methods:	FedEx, Grower Truck, Customer Pickup
F.O.B.	Alva, FL
Royalties/Patent Fees:	Included in the price of the plants. Items that are patented are labeled next to each item. Propagation of these varieties is prohibited.
Box/Other Charges:	Included in the price of the plants
Discounts:	5% Early Order Discount is available for orders placed 12 weeks prior to the requested ship date.
Tags:	Tags are included at no additional charge. T1 = Tag required and included for patented items T6 = Tag included in price of plants
Claims:	Must be reported to Germania Seed Company within 48 hours after receiving plants. Photos are requested to aid in assessing claims when possible.
Cancellations:	Please, cancellations cannot be accepted once production has begun. Plants cancelled after this time will be charged a 20% restocking fee.



Technical Guide

MANDEVILLA Sun Parasol®

- Sun Parasol® **Pretty Pink** (Sunmandetomi) USPP#16363
- Sun Parasol® **Pretty Crimson** (Sunmanderemi, USPP #16449)
- NEW!** Sun Parasol® **Burgundy** (Sunparavel, USPP #19407)
- Sun Parasol® **Cream Pink** (Sunparapibra) USPPAF
- Sun Parasol® **Crimson** (Sunmandecrim) USPP#15539
- Sun Parasol® **Dark Red** (Sunparabeni) USPPAF
- Sun Parasol® **Pink** (Sunmandecripi) USPPAF

- NEW!** Sun Parasol® **Stars & Stripes™** (Sunparasuji, USPP #19931)
- NEW!** Sun Parasol® **White** (Sunparacoho, USPPAF)
- NEW!** Sun Parasol® **Carmin King** (Sunparakama, USPPAF)
- Sun Parasol® **Giant Crimson** (Sunmandecrikin) USPP#17736
- Sun Parasol® **Giant Pink** (Sunmandecos) USPP#15202
- Sun Parasol® **Giant White** (Sunmandeho) USPP#11556
- NEW!** Sun Parasol® **Lush Crimson** (Sunparadai, USPP #19868)

Planting

- Liners per pot size:
 - 1 per 4" to 6" (10 to 15 cm)
 - 2 to 3 per 8" to 10" (20 to 25 cm)
 - 3 to 4 per 12" (30 cm)
 - 4 to 5 per 14" (36 cm)
- Trellises or specialty frames in containers or the wires in hanging baskets are used to support the twining vines for easier handling during production and shipping.

Pinching

- Pinch plants if desired to control growth, especially when in smaller containers or to keep confined to support devices. Some prefer not to pinch since an unsightly scar appears for some time after pinching.

Root Medium

- Most well drained, commercial soilless root media should be satisfactory.
- Soilless root media pH should be 5.8 to 6.2.

Irrigation

- Thoroughly irrigate pots but allow root medium to dry slightly between irrigations.
- As root system enlarges on older plants, the tuberous roots are sensitive to overwatering.
- As with all potted plants, water quality (e.g., alkalinity, nutrient content, etc.) should be known to evaluate the potential effects on nutrient availability.

Fertilization

- Use a moderate fertility program with a constant fertilization program of 100 to 200 ppm N from a complete N-P-K fertilizer, which contains the majority of N in the nitrate form and contains extra micronutrients as in the "Peat-Lite

VARIETY FEATURES

- Larger than average flowers (4" to 6" (10 to 15 cm) for Giant Series)
- Stronger, bushier form than existing varieties
- Prolific flowering spring to fall
- Big, glossy dark green leaves
- Fast growing climber
- Ideal for pots and garden trellis
- Easy care

Pretty Group



Sun Parasol® Pretty Pink



Sun Parasol® Pretty Crimson



Specials". Example formulae are 20-10-20, 20-5-19, 21-5-20, etc.

- A low to medium rate of controlled release fertilizer is sometimes used in conjunction with constant fertilization, especially in larger containers.

Temperature & Light

- This is a high-light, high-temperature crop.
- Provide maximum available light in production area. Do not shade with overhead plants. Hanging baskets are often used to allow placement of plants overhead in the highest light.
- Crop growth will stall at low temperatures. Provide minimum 65°F (18°C) night temperature; use 68° to 72°F (20° to 22°C) for faster growth.

Timing

- 7 to 9 weeks for 4" to 6" (10 to 15 cm) pots
- 12 to 16 weeks for larger containers.

Spacing & Height Control

- Provide support and space plants as needed to prevent vines from intertwining.
- Information is limited on growth regulators on this crop. Pinching and supports are primarily used to control growth.

Pest and Disease Control

- Mode of Action (MOA) group of pesticide given in parentheses. Rotate among pesticides with different MOA when possible to prevent or delay resistance.
- Aphids – Decathlon (3), Endeavor (9), Endosulfan (3), Flagship (4), Marathon (4), Talstar (3), Tristar (4)
- Mealybugs – Distance (7), Flagship (4), Marathon (4), Orthene (1), Safari (4), Talstar (3)
- Spider mites – Akari (21), Avid (6), Floramite (2), Hexagon (10), Tetrasan (10), Pylon (13)
- Thrips – Avid (6), Conserve (5), Duraguard (1), Duraplex (1+3), Mesurol (1)

- Whiteflies – Distance (7), Duraplex (1+3), Endosulfan (3), Flagship (4), Marathon (4), Safari (4), Talstar (3), Tristar (4)
- There are no significant disease problems if recommended cultural practices are followed. However, if plants are held cool with foliage wet at night, foliage can become necrotic, making it susceptible to disease agents.

Effective pesticides for given pests are provided for your convenience. See current label for use rates and application methods since the label is the law. Since local use laws can vary, consult your county or state extension specialist to confirm registered use in your area.

Care & Handling

- Sensitive to ethylene; flower and buds will drop.
- Ship no cooler than 55°F (13°C) for no more than 3 days.
- **Retail and consumer care:**
 - Place in full sun or partial shade in extremely warm locations.
 - Keep plants moist to avoid wilting.
 - Provide regular fertilization with either liquid fertilizer or controlled release fertilizer according to label directions.
 - Wrap stem around trellis to maintain shape of plant and to promote new growth.

Orginial Group



NEW! Sun Parasol® Burgundy



Sun Parasol® Pink



Sun Parasol® Cream Pink



NEW! Sun Parasol® Stars and Stripes™



Sun Parasol® Crimson



NEW! Sun Parasol® White



Sun Parasol® Dark Red

Giant Group



NEW! Sun Parasol® Carmine King



Sun Parasol® Giant Crimson



Sun Parasol® Giant Pink



Sun Parasol® Giant White



NEW! Sun Parasol® Lush Crimson