

DANZIGER

Technical
Product Pages

2022-2023



ALONIA™

Angelonia angustifolia



ALONIA™ Dark Lavender

More varieties in the ALONIA™ series:

- Early flowering
- Good heat tolerance
- Can be grown in small pots but continues to gain size in the garden
- Mature height and width is 14 inches x 12 inches (36cm x 30cm) for Alonia and 16 inches x 14 inches (41cm x 36cm) for Alonia Big



ALONIA™ Violet



ALONIA™ Bicolor Violet



ALONIA™ Pink Flirt



ALONIA™ Snowball

Sub series BIG with a larger habit:



ALONIA™ BIG Bicolor Pink



ALONIA™ BIG Bicolor Purple



ALONIA™ Big Blue



ALONIA™ Big Snow



ALONIA™ Big Dark Pink



ALONIA™ Big Indigo

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



ALONIA™

Angelonia angustifolia



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(14 - 16")
36 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21° - 22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68° - 70° F (20° - 21° C)		Weeks 3-5 100 to 150 ppm N	Apply broad spectrum Week 2



Misting specification - Remove from mist as soon as possible
- Spray adjuvant at sticking



- Maintain warm temperatures allowing plants to develop
- Spray Daminozide at 1200 to 1500 ppm
- Pinch is recommended week 4 or at transplant

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	72°-74° F (22°-23° C)	Feed 100 ppm to 150 ppm	Not required	Daminozide as needed		
Week 4	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		
Week 5	5.8 to 6.2	1.0 to 1.2	68° F (20° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



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ALONIA™

Angelonia angustifolia



FINISHING TIPS

- Pinch week 3 in liner or at transplant
- Plant liners below new soil to support plants at maturity

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
8 to 9 wks	Average Day	Pinch –Yes	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	65° - 68° (18° - 20° C)			
8 to 10 wks	65° - 68° (18° - 20° C)	Night interruption or extended day- Optional		
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 to 3750 ppm for finishing plants
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required
- Spray broad spectrum fungicide after transplant
- Scout for Aphids and Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench if required

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



ALONIA™

Angelonia angustifolia



ALONIA™ Dark Lavender - Photos from trials across North America



Atlanta (GA)



Mast Young Plants (MI)



Raker Robertas (MI)



Colorado State University



Youngs Plant Farm (AL)

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



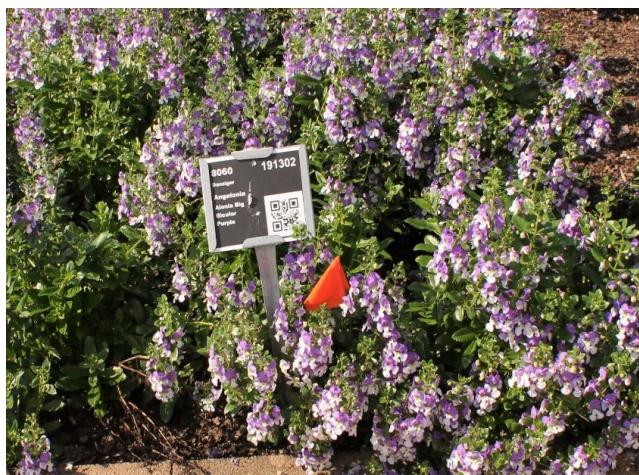
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ALONIA™

Angelonia angustifolia



ALONIA™ Big Bicolor Purple - Photos from trials across North America



Metrolina Greenhouse (NC)



Colorado State Univ



Youngs Plant Farm (AL)



Mast Young
Plants (MI)



Raker Robertas
(MI)

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



 **DANZIGER**
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ALONIA™

Angelonia angustifolia



ALONIA™ Big Bicolor Pink - Photos from trials across North America



Metrolina Greenhouse (NC)



Colorado State Univ



Youngs Plant Farm (AL)



Mast Young
Plants (MI)



Raker Robertas
(MI)

For additional technical growing information:

ALONIA™ [CLICK HERE](#)



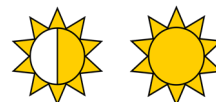
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LOLLIES™

Argyranthemum frutescens



NEW 22



- Early flowering time
- Well matched series of 5 colors
- Mature height and width is 12 inches x 14 inches (30cm x 36cm)

LOLLIES™ Berry Gummy

More varieties in the LOLLIES™ series:



NEW 22

LOLLIES™
Pink Pez



NEW 22

LOLLIES™
Buttermint



NEW 22

LOLLIES™
White Chocolate



NEW 22

LOLLIES™
Marshmallow

For additional technical growing information:

LOLLIES™ [CLICK HERE](#)



LOLLIES™

Argyranthemum frutescens



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(12 - 14")
30 - 36 cm



Height
(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-68° F (18°-20° C)		Weeks 3-5 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Light in propagation for optimal growth and to hasten crop time. Argyranthemum respond to long days for flowering. Daminozide at 750 ppm week 3.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.8 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.0	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.8 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

LOLLIES™ [CLICK HERE](#)



LOLLIES™

Argyranthemum frutescens



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	Pinch – Optional	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"	Weeks 3 – 5 65°-68° (18°-20° C)	Night interruption or extended day- Optional	Soil EC 1.0 - 1.2 pH 5.5 to 6.0	

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora
ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS	
METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD	
CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN	
PROPAMOCARB	
PROPAMOCARB	



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide at 750 to 2000 ppm on young finished plants Paclobutrazol drench application at 1 ppm for finishing if required
- Maintain good airflow and allow plants to dry before nightfall
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.7 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 5 to 13	5.7 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

LOLLIES™ [CLICK HERE](#)



TIMELESS™ COLLECTION

BIDENS™

Bidens ferulifolia



NEW 22



SUNSHINE DOUBLE™

(Upright growing habit)

The TIMELESS™ collection:

COMPACT UPRIGHT



BLAZING EMBERS™



YELLOW CROWN™

UPRIGHT



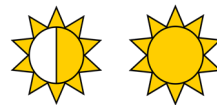
GOLDEN EMPIRE™



PRETTY IN PINK™



WHITE DELIGHT
IMPROVED™



- Needs little to no PGR
- Available in different habits and bloom colors/patterns
- Well suited for quart programs

MOUNDED/SEMI-TRAILING



BLAZING GLORY™



YELLOW CHARM™

MOUNDED



BLAZING FIRE™



YELLOW SPLASH™



MEGA CHARM™



YELLOW SUNSHINE™

For additional technical growing information:

BIDENS™ [CLICK HERE](#)



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BIDENS™

Bidens ferulifolia



PROPAGATION TIPS

- Stick on priority – Number 4 out of 4 categories



Flowering time
**Spring / Summer
Flowering**



Width
**(8 - 14")
20 - 36 cm**



Height
**(6 - 14")
15 - 36 cm**

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Apply broad spectrum fungicide the day of sticking to control leaf disease.
For the more vigorous varieties, apply Daminozide spray at 1500 ppm week 3.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

BIDENS™ [CLICK HERE](#)



BIDENS™

Bidens ferulifolia



FINISHING TIPS

- Pinch is optional, possibly on more vigorous varieties
- Cool temperature finishing for best quality and optimum flower color

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 8 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch – Recommended	100 - 200 ppm N	Daminozide at 1500 to 2500 ppm on more vigorous varieties
7 to 9 wks (15 cm) 6 ½"	1 ppp	Not Required – Day Neutral	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
7 to 9 wks (20 cm) 8"	3 ppp			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 1500 to 2500 ppm on young finished plants - Paclobutrazol drench application at 1 ppm for finishing if required for the more vigorous varieties
- Maintain good airflow and allow plants to dry before nightfall
- Scout for Aphids & Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not required	Daminozide as needed 1500 to 2500 ppm	Spray fungicide after transplant	
Week 6 to 12	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 200 ppm	Not required	Paclobutrazol Drench at 1 ppm		Paclobutrazol 1 ppm drench when plants reach 85% of desired size

For additional technical growing information:

BIDENS™ [CLICK HERE](#)



FRESCO™

Brachyscome angustifolia

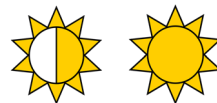


BRAND
NEW 23



FRESCO™ Bright Pink

EU & ROW
ONLY



- Large flowers
- Perfect for combinations
- Easy in propagation
- Mounded habit is well suited for hanging baskets and window boxes

More varieties in the FRESCO™ series:



FRESCO™ Candy



FRESCO™ Purple

For additional technical growing information:

FRESCO™ [CLICK HERE](#)



FRESCO™

Brachyscome angustifolia



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(8 - 10")
20 - 25 cm



Height

(6 - 8")
15 - 20 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21° - 22°C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68° F (18° C)		Weeks 3-5 75 to 100 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



High light and warm temperatures will maintain a good proportion of flowers to foliage.
Maintain lower EC levels for best growth and flower size since higher EC will hinder plant quality.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.6 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist		750 ppm Daminozide	Second fungicide app	
Week 3	5.6 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.6 to 6.2	.90 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

FRESCO™ [CLICK HERE](#)



FRESCO™

Brachyscome angustifolia



FINISHING TIPS

- Pinch week 3 in the liner or at transplant
- Monitor EC levels so they are not elevated
- Do not over irrigate early in plant finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 8 wks	Average Day	Pinch No lighting required for flowering	100 - 150 ppm N	In liner and finish stages
(12 cm) 5" pot	68°-72° F (20° -22° C)			
8 to 10 wks	Weeks 3 – 5		Soil EC 0.8 - 1.0	
(15 cm) 6 ½"	61°-68° F (16°-20° C)		pH 5.6 to 6.2	

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Avoid covering plant meristem at transplant
- Additional Iron (Fe) or Manganese (Mn) may be required, depending on water quality
- PGR - Spray Daminozide at 750 to 2000 ppm on young & finished plants
- Maintain good airflow and allow plants to dry before nightfall

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.6 to 6.2	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 5 to 13	5.6 to 6.2	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required			

For additional technical growing information:

FRESCO™ [CLICK HERE](#)



COLIBRI™

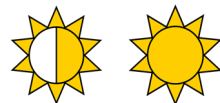
Calibrachoa hybrida



BRAND
NEW 23



COLIBRI™ Exotic Red Bling



- Early flowering, compact habit
- Requires very little PGR
- Perfect for small pot production and tidy baskets
- Tested and selected for pH sensitivity
- Blooms in a 10 hour day
- Mature height and width is 10 inches x 12 inches (25cm x 30cm)

More varieties in the COLIBRI™ series:



**COLIBRI™
Dark Lavender**



**COLIBRI™
Pure White**



**COLIBRI™
Abstract Guava**



**COLIBRI™
Pink Bling**



**COLIBRI™
Purple Bling**



**COLIBRI™
Bright Red**



**COLIBRI™
Blizzard**



**COLIBRI™
Cherry Lace**



**COLIBRI™
Fuchsia**



**COLIBRI™
Lemon**



**COLIBRI™
Malibu Pink**



**COLIBRI™
Orange**



**COLIBRI™
Pink Flamingo**



**COLIBRI™
Mellow Yellow**



**COLIBRI™
Pink Lace**



**COLIBRI™
Plum**



**COLIBRI™
Purple Lace**



**COLIBRI™
Yellow Canary**



**COLIBRI™
Double Copper**



**COLIBRI™
Double Deep Purple**



**COLIBRI™
Double Violet**

EU & ROW
ONLY

EU & ROW
ONLY

EU & ROW
ONLY

For additional technical growing information:

COLIBRI™ [CLICK HERE](#)



 **DANZIGER**

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COLIBRI™

Calibrachoa hybrida



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 12")
25 - 30 cm



Height

(10 - 12")
25 - 30 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Application of K-IBA can hasten rooting. Light in propagation for optimal growth and to hasten crop time. Daminozide at 1200 ppm day of sticking.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.2 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Day of sticking 1200 ppm Daminozide	Day of sticking	Feeding through Mist
Week 2	5.2 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.2 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed		

For additional technical growing information:

COLIBRI™ [CLICK HERE](#)



COLIBRI™

Calibrachoa hybrida



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary No lighting necessary	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"	Weeks 3 – 5 65°-68° F (18°-20° C)		Soil EC 1.0 - 1.2 pH 5.5 to 6.0	
8 to 10 wks (20 cm) 8"				
8 to 10 wks (25 cm) 10"	3 plants per container			
	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 ppm		Paclobutrazol 1 ppm drench when plants reach 85% of desired size

For additional technical growing information:

COLIBRI™ [CLICK HERE](#)



COLIBRI™

Calibrachoa hybrida



COLIBRI™ Malibu Pink - Photos from trials across North America



Youngs Plant Farm (AL)



Head Start Nursery (CA)



Metrolina Greenhouses (NC)

For additional technical growing information:

COLIBRI™ [CLICK HERE](#)

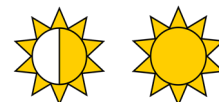


EYECONIC™

Calibrachoa hybrida



EYECONIC™ Pink



- Selected for eye type color pattern on large blooms
- Makes a showy basket and works well in combinations
- Flowers in a 10-hour day
- Tested for pH sensitivity
- Mature Height and Width is 12" X 14" (30cm x 36cm)

More varieties in the EYECONIC™ series:



**EYECONIC™
Apricot**



**EYECONIC™
Peach**



**EYECONIC™
Cherry Blossom**



**EYECONIC™
Strawberry**



**EYECONIC™
Compact Sunset**



**EYECONIC™
Purple**

For additional technical growing information:

EYECONIC™ [CLICK HERE](#)



EYECONIC™

Calibrachoa hybrida



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time



Width



Height

Spring / Summer
Flowering

(12 - 14")
30 - 36 cm

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Application of K-IBA can hasten rooting. Light in propagation for optimal growth and to hasten crop time. Daminozide at 1200 to 1500 ppm day of sticking. Daminozide plus Uniconazole-P tank mix week 3 to control stretch if needed.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.2 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.2 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.2 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		

For additional technical growing information:

EYECONIC™ [CLICK HERE](#)



EYECONIC™

Calibrachoa hybrida



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	No pinch necessary	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	65°-68° F (18°-20° C)			
8 to 9 wks	65°-68° F (18°-20° C)	No lighting necessary	Soil EC 1.0 - 1.2 pH 5.5 to 6.0	
(15 cm) 6 ½”				
8 to 9 wks				
(20 cm) 8”	3 plants per container			
8 to 9 wks				
(25 cm) 10”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

EYECONIC™ [CLICK HERE](#)



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EYECONIC™

Calibrachoa hybrida



For additional technical growing information:

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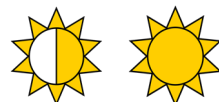
www.danzigeronline.com |   

LIA™

Calibrachoa hybrida



BRAND
NEW 23



- Selected for basket production
- Blooms in a 10 hour day
- Tested for pH sensitivity
- Mature height and width
12 inches x 14 inches (30cm x 36cm)

LIA™ Yellow Improved

The LIA™ series:



LIA™ Abstract Pink



LIA™ Cranberry



LIA™ Blue



LIA™ Bubblegum



LIA™ Dark Red



LIA™ Glaze



LIA™ Melon



LIA™ Raspberry



LIA™
Amethyst Bling

EU & ROW
ONLY

For additional technical growing information:

LIA™ [CLICK HERE](#)



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LIA™

Calibrachoa hybrida



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Application of K-IBA can hasten rooting. Light in propagation for optimal growth and to hasten crop time. Daminozide at 1200 to 1500 ppm day of sticking. Daminozide plus Uniconazole-P tank mix week 3 to control stretch if needed.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.2 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	Feeding through Mist
Week 2	5.2 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.2 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed	Week 5	

For additional technical growing information:

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LIA™

Calibrachoa hybrida



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"	Weeks 3 – 5 65°-68° F (18°-20° C)	No lighting necessary	Soil EC 1.0 - 1.2 pH 5.5 to 6.0	
8 to 9 wks (20 cm) 8"				
8 to 9 wks (25 cm) 10"	8 to 9 wks 3 plants per container			

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora
ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS	CYPRODINIL+FLUDIOXONIL, IPRDIONE, POLYOXIN
METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD	PROPAMOCARB
	PROPAMOCARB

- ! Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 6 to 13	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

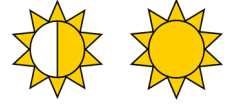
LIA™ [CLICK HERE](#)



DANZIGER
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OMBRE™

Calibrachoa hybrida



OMBRE™ Pink

- A range of colors on each plant
- Medium Vigor and a controlled semi-trailing habit
- Blooms early enough for any market
- Tested for pH sensitivity
- Mature height and width 12 inches x 14 inches (30cm x 36cm)

More varieties in the OMBRE™ series:



OMBRE™ Blue



OMBRE™ Blush



OMBRE™ Pink



OMBRE™ Yellow

For additional technical growing information:

OMBRE™ [CLICK HERE](#)



OMBRE™

Calibrachoa hybrida



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Application of K-IBA can hasten rooting. Light in propagation for optimal growth and to hasten crop time. Daminozide at 1200 to 1500 ppm day of sticking. Daminozide plus Uniconazole-P tank mix week 3 to control stretch if needed.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.2 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	Feeding through Mist
Week 2	5.2 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.2 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed		

For additional technical growing information:

OMBRE™ [CLICK HERE](#)



OMBRE™

Calibrachoa hybrida



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	No pinch necessary	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	65°-68° F (18°-20° C)			
8 to 9 wks	65°-68° F (18°-20° C)	No lighting necessary	Soil EC 1.0 - 1.2 pH 5.5 to 6.0	
(15 cm) 6 ½”				
8 to 9 wks				
(20 cm) 8”	3 plants per container			
8 to 9 wks				
(25 cm) 10”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB

-
- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
 - Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

OMBRE™ [CLICK HERE](#)



OMBRE™

Calibrachoa hybrida



OMBRE™ Pink - Photos from trials across North America



Mast Young Plants (MI)



Head Start Nursery (CA)



Metrolina Greenhouses (NC)

For additional technical growing information:

OMBRE™ [CLICK HERE](#)



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OMBRE™

Calibrachoa hybrida



OMBRE™ Blue - Photos from trials across North America



Mast Young Plants (MI)



Head Start Nursery (CA)



Metrolina Greenhouses (NC)

For additional technical growing information:

OMBRE™ [CLICK HERE](#)



GOLF™

Craspedia sp.



NEW

22



- Improved vigor and rooting make this plant a good fit for programs in any market
- Unique bright yellow, ball shaped blooms grab attention at retail
- Works well as an upright element in a combination
- Mature height and width is 16" x 10" (41cm X 25cm)

GOLF™ Beauty Improved

For additional technical growing information:

[GOLF™ CLICK HERE](#)



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GOLF™

Craspedia sp.



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time



Width



Height

**Spring / Summer
Flowering**

**(10 - 12")
25 - 30 cm**

**(14 - 18")
36 - 36 cm**

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 / 6 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Suggested	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 – 5/6 66°-68° F (19°-20° C)		Weeks 3-5 100 to 150 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification - Remove from mist as soon as possible (day 2 or 3).



Dip cut ends of cuttings in rooting hormone prior to sticking or Spray application of K-IBA- This will enable more uniform rooting.

Daminozide at 1200 to 1500 ppm day of sticking. Pinch plants when they begin to elongate to create branching at base of plant.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.4	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Optional		Day of sticking	Additional lighting will hasten flowering
Week 2	5.8 to 6.4	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Optional		Second fungicide app	Fungicide to control Botrytis!
Week 3	5.8 to 6.4	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed		
Week 4	5.8 to 6.4	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed		
Week 5	5.8 to 6.4	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm	Optional	Daminozide as needed		

For additional technical growing information:

GOLF™ [CLICK HERE](#)



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GOLF™

Craspedia sp.



FINISHING TIPS

- Pinch week 3 in liner or at transplant
- Plant liners below new soil to support plants at maturity

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
8 to 9 wks	Average Day	Pinch –Yes	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	68°-72° F (20°-22° C)		Additional lighting not required	
8 to 10 wks	65°-68° F (18 -20° C)			
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2000 to 2500 ppm for finishing plants
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required
- Drench broad spectrum fungicide after transplant
- Scout for Aphids on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 14	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench if required

For additional technical growing information:

GOLF™ [CLICK HERE](#)



CUBANO™

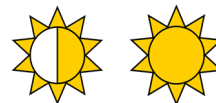
Cuphea



BRAND
NEW 23



CUBANO™ Cristo | Cuphea hybrida



- Blooms in the spring and throughout the summer
- Cuphea flowering is hastened by long days and warm temperatures
- Thrives in the heat
- Good garden performance
- Attracts pollinators

BRAND
NEW 23



CUBANO™ Fuente | Cuphea ignea

For additional technical growing information:

CUBANO™ [CLICK HERE](#)



CUBANO™

Cuphea



PROPAGATION TIPS

- Stick on priority – Number 4 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(12 - 16")
30 - 41 cm



Height
(10 - 12")
25 - 30 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21° - 22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°- 68° (18°-20° C)		Weeks 3-5 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Apply broad spectrum fungicide the day of sticking to control leaf disease.
Proper air movement is required to control disease issues during propagation.
Allow some drying of soil between irrigations in weeks 3 and 4.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.6 to 6.1	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.1	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.6 to 6.1	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

CUBANO™ [CLICK HERE](#)



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CUBANO™

Cuphea



FINISHING TIPS

- Pinch is required, possibly two pinches for larger containers
- Cuphea flowering is hastened with warm temperatures and long days

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 8 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch – Recommended	150 - 200 ppm N	Daminozide at 2500 to 3750 ppm on more vigorous varieties
7 to 9 wks (15 cm) 6 ½"	1 ppp	Long days hastens flowering	Soil EC 1.0 - 1.2 pH 5.6 to 6.1	
7 to 10 wks				Paclobutrazol 1 to 2 ppm drench to finish high quality plants
(20 cm) 8"	3 ppp			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 1500 to 2500 ppm on young finished plants - Paclobutrazol drench application at 1 ppm for finishing if required for the more vigorous varieties
- Maintain good airflow and allow plants to dry before nightfall
- Not susceptible to Oedema

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.6 to 6.1	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not required	Daminozide as needed 1500 to 2500 ppm	Spray fungicide after transplant	
Week 6 to 12	5.6 to 6.1	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 200 ppm	Not required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench to finish high quality plants

For additional technical growing information:

CUBANO™ [CLICK HERE](#)



DARLIN'™

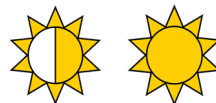
Dahlia variabilis



NEW 22



DARLIN'™ Vintage Rose



- Large double blooms are available in both solids and bi-colors
- Works well 6" (15 cm) programs
- Blooms spring to summer
- Mature size is 10-12 inches height x 10-12 inches width (25-30 cm height x 25-30 cm width)

More varieties in the DARLIN'™ series:



DARLIN'™ Orange Flare



DARLIN'™ Salmon



DARLIN'™ White



DARLIN'™ Radiant Pink



DARLIN'™ Ruby



DARLIN'™ Yellow



DARLIN'™ Burgundy Lace

For additional technical growing information:

DARLIN'™ [CLICK HERE](#)



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DARLIN™

Dahlia variabilis



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(12 - 16")
30 - 41 cm



Height
(10 - 12")
25 - 30 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



- Apply broad spectrum fungicide the day of sticking to control leaf disease including control of Powdery Mildew
- Proper air movement is required to control disease issues during propagation
- Night interruption 10pm to 2am or daylength extension started day of sticking at least 10 foot candles

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed at 1500 ppm		
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm				

For additional technical growing information:

DARLIN™ [CLICK HERE](#)



DARLIN™

Dahlia variabilis



FINISHING TIPS

- Pinch is required, possibly two pinches for larger containers
- Start 14 hour days after transplant – extended day or night interruption

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 8 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch – Optional	150 - 200 ppm N	Daminozide at 1500
7 to 9 wks (15 cm) 6 ½"	1 ppm	Long days required for uniform flowering	Soil EC 1.0 - 1.2 pH 5.6 to 6.1	Paclobutrazol 1 ppm drench at finish for vigorous varieties
8 to 10 wks (18 cm) 7"	1 ppm			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 1500 ppm on young finished plants - Paclobutrazol drench application at 1 ppm at finishing if required for the more vigorous varieties
- Spray to control Powdery Mildew after transplant

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.6 to 6.1	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Required	Daminozide as needed 1500 ppm	Spray fungicide after transplant	
Week 6 to 13	5.6 to 6.1	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Required	Paclobutrazol Drench at 1 ppm	Include Powdery Mildew control	

For additional technical growing information:

DARLIN™ [CLICK HERE](#)



TRINITY™ Sunset

Diascia barberae



TRINITY™ Sunset

- Large flowers and exceptional weather tolerance
- Holds blooms longer for an improved shelf life
- Grows into a small bush
- Mature Height and Width
12 inches X 14 inches
(30cm x 36cm)

For additional technical growing information:

TRINITY™ [CLICK HERE](#)



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TRINITY™ Sunset

Diascia barberae



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(14 - 16")
36 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Apply broad spectrum Week 2



Misting specification - Remove from mist as soon as possible
- Spray adjuvant at sticking



- Maintain warm temperatures allowing plants to develop.
- Spray Daminozide at 1500 to 2000 ppm
- Pinch is recommended week 4 or at transplant

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	72°-74° F (22°-23° C)	Feed 100 ppm to 150 ppm	Not required			
Week 4	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		Pinch
Week 5	5.8 to 6.2	0.9 to 1.0	68° F (20° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		

For additional technical growing information:

TRINITY™ [CLICK HERE](#)



www.danzigeronline.com |

TRINITY™ Sunset

Diascia barberae



FINISHING TIPS

- Pinch week 4 in liner or at transplant
- Plant liners above new soil – not to bury plant meristem

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
8 to 9 wks	Average Day	Pinch –Yes	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	65°-68° F (18°-20° C)			
8 to 10 wks	65°-68° F (18°-20° C)	Day Neutral	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 to 3750 ppm for finishing plants
- Paclobutrazol – Do not apply
- Spray broad spectrum fungicide after transplant
- Scout for Aphids and Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.8 to 6.2	0.9 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.8 to 6.2	0.9 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm				Do not apply Paclobutrazol

For additional technical growing information:

TRINITY™ [CLICK HERE](#)



FELICITY™

Felicia amelloides

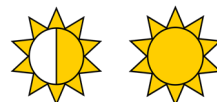


BRAND
NEW 23



FELICITY™ Leading Lady

EU & ROW
ONLY



- Flowers earlier than other market varieties and stays in bloom longer
- Sky blue color
- Controlled growth with a well branched habit



FELICITY™ Blue

For additional technical growing information:

FELICITY™ [CLICK HERE](#)



FELICITY™

Felicia amelloides



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Early Spring / Summer
Flowering



Width

(10 - 12")
25 - 30 cm



Height

(10 - 14")
25 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-68° F (18°-20° C)		Weeks 3-4 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Apply broad spectrum fungicide the day of sticking to control leaf disease.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	No required		Day of sticking	
Week 2	5.6 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.2	.90 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

FELICITY™ [CLICK HERE](#)



FELICITY™

Felicia amelloides



FINISHING TIPS

- Soil should remain evenly moist and do not run soil too wet during cooler growing conditions. Root system and foliage will develop problems under continuous wet soil conditions
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks	Average Day	No Pinch Required	100 - 200 ppm N	Daminozide spray application at 2500 to 3750 ppm for finishing
(12 cm) 5" pot	65°-68° F (18°-20° C)			
7 to 8 wks	1 ppp	Not Required Day Neutral	Soil EC 0.9 - 1.1 pH 5.6 to 6.2	
(15 cm) 6 ½"				
8 to 9 wks				
(20 cm) 8"	3 ppp			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 ppm on young finished plants -
- Maintain good airflow and allow plants to dry before nightfall
- Scout for Aphids, Thrips and Whitefly

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.6 to 6.2	0.9 to 1.1	65°-68° F (18°-20° C)	feed 150 to 200 ppm	Not required	Daminozide as needed 2500 ppm	Drench fungicide after transplant	
Week 6 to 12	5.6 to 6.2	0.9 to 1.1	65°-68° F (18°-20° C)	feed 150 to 200 ppm	Not required			

For additional technical growing information:

FELICITY™ [CLICK HERE](#)



SOL LUNA™

Impatiens hybrid



BRAND
NEW 23



SOL LUNA™ Electric Pink

- Takes sun and shade equally well
- Consumer can plant anywhere for a tidy ball of bright color
- Compact well matched series, easy to grow and reliable in production
- Perfectly suited for premium pack and quart programs, will fill a 6" (15cm) pot beautifully
- Mature height and width is 12 inches x 18 inches (30c m x 46 cm)

More varieties in the SOL LUNA™ series:



SOL LUNA™ Red



SOL LUNA™ Ultra Violet



SOL LUNA™ Blush



SOL LUNA™ White



SOL LUNA™ Lilac



SOL LUNA™ Dark Lavender



SOL LUNA™ Candy Apple



SOL LUNA™ Pink



SOL LUNA™ Tropical Punch

For additional technical growing information:

[SOL LUNA™ CLICK HERE](#)



SOL LUNA™

Impatiens hybrid



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

**Spring / Summer
Flowering**



Width

**(12 - 14")
30 - 36 cm**



Height

**(12 - 18")
30 - 46 cm**

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 80 ppm N	Apply broad spectrum Week 2



- Spray adjuvant at sticking



- Spray Ethephon at 300 ppm the day after stick. This will reset flowering response. One hour of Ethephon on the leaves will be sufficient time while mist if off.
- Maintain warm temperatures allowing plants to develop and flower
- Average daily temperature of 70 F

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	6.0 / 6.5	0.50	72°-74° F (22°-23° C)		Not required		Day of sticking	
Week 2	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	80 ppm N in mist	Not required			
Week 4	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			
Week 5	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			Pinch is not recommended

For additional technical growing information:

SOL LUNA™ [CLICK HERE](#)



SOL LUNA™

Impatiens hybrid



FINISHING TIPS

- Maintain a low EC level for proper growth and sizing of plant
- Transplant liners when plants are rooted and actively growing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch –No	100 - 125 ppm N	If required, Uniconazole at 5 to 7 ppm spray application early in crop- Paclobutrazol at 0.5 ppm drench within 3 weeks of finishing
(12 cm) 5” pot	68°-70° F (20°-21° C)			
8 to 9 wks	68°-70° F (20°-21° C)	Daylength Neutral	Soil EC 0.8 - 1.0 pH 6.0 to 6.5	
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Uniconazole 5 to 7 ppm early in crop
Paclobutrazol drench application at 0.5 ppm for finishing
- Spray broad spectrum fungicide after transplant
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Uniconazole spray	Drench fungicide at transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 0.5 ppm		Allow plants to reach 85% of required size before PGR application

For additional technical growing information:

SOL LUNA™ [CLICK HERE](#)



SUN HARMONY™

Impatiens hybrida



SUN HARMONY™ Blushing Orchid

- Known for its large flowers and uniform growth, SUN HARMONY™ can be grown in the shade as well as in direct sun
- All varieties in the series are in perfect sync to assure the best retail display
- Medium to large habit
- Mature height and width is 16 inches x 14 inches (41 cm x 36 cm)

More varieties in the SUN HARMONY® series:



SUN HARMONY™
Deep Orange



SUN HARMONY™
Deep Pink



SUN HARMONY™
Magenta



SUN HARMONY™
Purple



SUN HARMONY™
Red



SUN HARMONY™
Scarlet



SUN HARMONY™
Violet



SUN HARMONY™
White



SUN HARMONY™
Compact Lavender

For additional technical growing information:

SUN HARMONY™ [CLICK HERE](#)



 **DANZIGER**
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SUN HARMONY™

Impatiens hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(14 - 16")
36 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 80 ppm N	Apply broad spectrum Week 2



- Spray adjuvant at sticking



- Spray Ethephon at 300 ppm the day after stick. This will reset flowering response. One hour of Ethephon on the leaves will be sufficient time while mist if off.
- Maintain warm temperatures allowing plants to develop and flower
- Average daily temperature of 70 F

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	6.0 / 6.5	0.50	72°-74° F (22°-23° C)		Not required		Day of sticking	
Week 2	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	80 ppm N in mist	Not required			
Week 4	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			
Week 5	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			Pinch is not recommended

For additional technical growing information:

SUN HARMONY™ [CLICK HERE](#)



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SUN HARMONY™

Impatiens hybrida



FINISHING TIPS

- Maintain a low EC level for proper growth and sizing of plant
- Transplant liners when plants are rooted and actively growing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch –No	100 - 125 ppm N	If required, Uniconazole at 5 to 7 ppm spray application early in crop- Paclobutrazol at 0.5 ppm drench within 3 weeks of finishing
(12 cm) 5” pot	65°-68° F (18°-20° C)			
8 to 9 wks	65°-68° F (18°-20° C)	Daylength Neutral	Soil EC 0.8 - 1.0 pH 6.0 to 6.5	
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Uniconazole 5 to 7 ppm early in crop
Paclobutrazol drench application at 0.5 ppm for finishing
- Spray broad spectrum fungicide after transplant
- Scout for Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Uniconazole spray	Drench fungicide at transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 0.5 ppm		Allow plants to reach 85% of required size before PGR application

For additional technical growing information:

SUN HARMONY™ [CLICK HERE](#)



STARDOM™

Jamesbrittenia



BRAND
NEW 23



STARDOM™ White Fusion

- Enhanced resistance to foliage disease
- Day neutral / benefits from long days
- Heat tolerant and continues flowering through the summer
- Perfect for combinations
- Mature height and width 8" x 12" (20cm x 30cm)

More varieties in the STARDOM™ series:



STARDOM™ Pink



STARDOM™ Purple



STARDOM™ Goldstar

For additional technical growing information:

STARDOM™ [CLICK HERE](#)



STARDOM™

Jamesbrittenia



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(6 - 8")
15 - 20 cm



Height
(10 - 14")
25 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-68° F (18°-20° C)		Weeks 3-4 100 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible.
Mist enough to maintain turgid cuttings – keep on dry side.



Apply broad spectrum fungicide the day of sticking to control leaf disease.
Stardom may require Daminaozide in propagation @ 1500 -2000 ppm if grown warm and under low light.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.5	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	
Week 2	5.8 to 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.5	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm				
Week 4	5.8 to 6.5	.90 to 1.0	65°-68° F (18°-20° C)	Feed 100 ppm		Daminozide as needed		

For additional technical growing information:

STARDOM™ [CLICK HERE](#)



STARDOM™

Jamesbrittenia



FINISHING TIPS

- Maintain consistent soil moisture –plants should not dry to severe wilt
- Cool temperature finishing for best quality and optimum flower color

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch – Recommended	100 - 200 ppm N	Daminozide at 1500 to 2500 ppm on more vigorous varieties
7 to 8 wks (15 cm) 6 ½"	1 ppp	Not Required – Day Neutral	Soil EC 0.8 - 1.0 pH 5.8 to 6.5	Paclobutrazol Drench at 1 - 2 ppm to finish
7 to 8 wks				
(20 cm) 8"	3 ppp			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 1500 to 2500 ppm on young finished plants - Paclobutrazol drench application at 1 to 2 ppm for finishing if required for the more vigorous varieties
- Maintain good airflow and allow plants to dry before nightfall
- Scout for Aphids & Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.5	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not required	Daminozide as needed 1500 to 2500 ppm	Spray fungicide after transplant	
Week 6 to 12	5.8 to 6.5	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 200 ppm	Not required	Paclobutrazol Drench at 1 - 2 ppm		Paclobutrazol 1 – 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

STARDOM™ [CLICK HERE](#)



 **DANZIGER**
www.danzigeronline.com |   

GEM™

Lantana camara



BRAND
NEW 23



GEM™ Diva Pink



- Makes a bright ball of color that does not cycle out of bloom
- Perfect for heat tolerant/drought tolerant programs
- Mature height and width is 10 inches x 12 inches for Gem and 8 inches x 10 inches for Gem Compact (25cm x 30cm for Gem and 20cm x 25cm for Gem Compact)

More varieties in the GEM™ series:



GEM™ Citrine



GEM™ Compact Yellow Topaz



GEM™ Gold



GEM™ Compact Orange Fire



GEM™ Compact Pink Opal



GEM™ Compact Rose Quartz



GEM™ Ruby



GEM™ Compact White Sapphire



GEM™ Compact Yellow Diamond

For additional technical growing information:

[GEM™ CLICK HERE](#)



 **DANZIGER**
www.danzigeronline.com |   

GEM™

Lantana



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 14")
25 - 36 cm



Height

(8 - 14")
20 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 100 to 150 ppm N	Apply broad spectrum Week 2



Misting specification - Remove from mist as soon as possible
- Spray adjuvant at sticking



- Maintain warm temperatures allowing plants to develop.
- Spray Daminozide at 2000 to 2500 ppm
- Pinch is recommended week 4 or at transplant

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	72°-74° F (22°-23° C)	Feed 100 ppm to 150 ppm	Not required			
Week 4	5.8 to 6.2	1.0 to 1.2	70° F (21° C)	Feed 100 to 150 ppm	Not required			
Week 5	5.8 to 6.2	1.0 to 1.2	70° F (21° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		

For additional technical growing information:

GEM™ [CLICK HERE](#)



GEM™

Lantana



FINISHING TIPS

- Keep the temperatures moderately warm to allow plants to continue to develop (average daily temperature at 73 to 75 F (23 to 24 C)
- Gem Compact may be too compact for cooler growing regions

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks	Average Day	Pinch –Yes	150 - 200 ppm N	In liner and finish stages
(12 cm) 5” pot	73°-75° F (23°-24° C)	Night interruption or extended day- Optional		
8 to 9 wks	73°-75° F (23°-24° C)			
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 to 3750 ppm for finishing plants
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required
- Spray broad spectrum fungicide after transplant
- Scout for Leafminors, Thrips and Whiteflies on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench if required

For additional technical growing information:

GEM™ [CLICK HERE](#)



LAVEANNA™

Lavendula stoechas



BRAND
NEW 23



LAVEANNA™ Violet



- One of the earliest flowering Spanish lavender on the market
- Blooms in the spring with extended flowering into the heat of summer
- Good branching without pinch
- Improved flowering in both size and flag
- More consistent flowering

More varieties in the LAVEANNA™ collection:



**LAVEANNA™
White Frost**



**LAVEANNA™
Purple**



**LAVEANNA™
Grand Purple**

For additional technical growing information:

LAVEANNA™ [CLICK HERE](#)



LAVEANNA™

Lavendula stoechas



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10-14")
25 - 36 cm



Height

(12 - 16")
30 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21° - 22°C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (18°-21° C)		Weeks 3-5 100 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification – Lavender responds best if tented to increase humidity around cuttings versus misting. Do not over-saturate foliage or soil. Remove tenting once roots emerge. Spray adjuvant after sticking. Proper air-movement will help prevent foliage issues.



Application of IBA can hasten rooting. Daminozide spray application @1500 to 2000 ppm if required.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	66°-68° F (19°-20° C)	Feed 100 ppm				
Week 5	5.8 to 6.2	1.0 to 1.2	66°-68° F (19°-20° C)	Feed 100 ppm		Daminozide as needed		

For additional technical growing information:

LAVEANNA™ [CLICK HERE](#)



 **DANZIGER**

www.danzigeronline.com |   

LAVEANNA™

Lavendula stoechas



FINISHING TIPS

- Maintain soil on drier side
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch optional No lighting necessary	100 - 150 ppm N	In liner and finish stages
(12 cm) 5" pot	62°-68° F (17°-20° C)		Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
8 to 9 wks				
(15 cm) 6 ½"				
8 to 9 wks				
(20 cm) 8"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Consistent soil moisture levels are best – allow soil to dry slightly between irrigations
- Scout for Aphids and Spider Mites

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Drench fungicide after transplant	
Week 8 to 10	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required			Paclobutrazol @ 2 ppm drench when buds showing if growing in warm conditions

For additional technical growing information:

LAVEANNA™ [CLICK HERE](#)



STREAM™

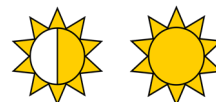
Lobularia



BRAND
NEW 23



Violet STREAM™



- Good heat tolerance and resistance to cold
- Flowers from early spring until frost
- Makes an excellent landscape plant
- Great for attracting pollinators

More varieties in the STREAM™ series:



Champagne STREAM™



Deep Lavender STREAM™



Lilac STREAM™



Lavender STREAM™



Purple Imp. STREAM™



Raspberry STREAM™



Silver STREAM™



White STREAM™

For additional technical growing information:

STREAM™ [CLICK HERE](#)



STREAM™

Lobularia



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

**Spring / Summer
Flowering**



Width

**(4 -6")
10 - 15 cm**



Height

**(10 - 18")
24 - 46 cm**

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Application of K-IBA can hasten rooting. Daminozide at 1500 to 2500 ppm day of sticking. Lighting in propagation is not necessary. The Lobularia Stream™ Series is well branched and a pinch would only be necessary if grown under lower light levels.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.2 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	Feeding through Mist
Week 2	5.2 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.2 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 4	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.2 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		

For additional technical growing information:

STREAM™ [CLICK HERE](#)



STREAM™

Lobularia



FINISHING TIPS

- Pinch is optional
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks	Average Day	Pinch / Optional	100 - 150 ppm N	In liner and finish stages
(12 cm) 5" pot	65°-68° F (18°-20° C)			
8 to 9 wks	65°-68° F (18°-20° C)	No lighting necessary	Soil EC 0.8 - 1.0	
(15 cm) 6 ½"			pH 5.6 to 6.0	
8 to 9 wks				
(20 cm) 8"	3 plants per container			
8 to 9 wks				
(25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Consistent soil moisture levels are best – allow soil to dry slightly between irrigations
- Scout for Aphids on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.6 to 6.0	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Day Neutral	Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.6 to 6.0	0.8 to 1.0	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

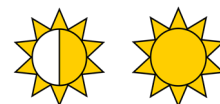
For additional technical growing information:

STREAM™ [CLICK HERE](#)



MAI TAI™

Mimulus aurantiacus



NEW 22



MAI TAI™ Red

- Growth and flowering is hastened under long days and warmer temperatures
- Upright habit
- Improved rooting ability
- Good branching – only 1 pinch needed
- Less sticky leaves than seed mimulus
- Heat tolerant
- Makes an interesting element in combinations

For additional technical growing information:

MAI TAI™ [CLICK HERE](#)



MAI TAI™

Mimulus aurantiacus



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(14 - 20")
36 - 51 cm



Height

(14 - 20")
36 - 51 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Suggested	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 100 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible. Limit misting in propagation.
Do not saturate soil



Application of K-IBA can hasten rooting. Maintain warm temperatures in propagation.
Pinch Mimulus leaving 4 to 5 nodes below pinch

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.5 / 5.8	0.80	72°-74° F (22°-23° C)	50 ppm N in mist			Day of sticking	Feeding through Mist
Week 2	5.5 to 5.8	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.5 to 5.8	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm				
Week 4	5.5 to 5.8	1.0 to 1.2	68°-70° F (20°-21° C)	Feed 100 ppm				Pinch
Week 5	5.5 to 5.8	1.0 to 1.2	68°-70° F (20°-21° C)	Feed 100 ppm				

For additional technical growing information:

MAI TAI™ [CLICK HERE](#)



MAI TAI™

Mimulus aurantiacus



FINISHING TIPS

- Pinch will be required
- Mimulus prefers long days and warm temperatures to flower

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch week 4 or at transplant	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"		No lighting necessary	Soil EC 1.0 - 1.2 pH 5.5 to 5.8	
8 to 9 wks (20 cm) 8"	3 plants per container			
8 to 9 wks (25 cm) 10"	3 plants per container	8 to 9 wks		

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Scout for Aphids and Whiteflies
- Botrytis and Rhizoctonia – fungicide drench after transplant to control root and stem diseases

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.5 to 5.8	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Prefers long days	Daminozide as needed	Drench fungicide after transplant	
Week 6 to 13	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm				

For additional technical growing information:

MAI TAI™ [CLICK HERE](#)



NESIA™

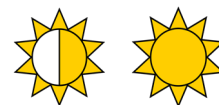
Nemesia hybrida



NEW 22



NESIA™ Inca



- Blooms early with heavy flower coverage
- More heat tolerant than other nemesia on the market
- Mature height and width is 8 inches x 10 inches (20cm x 25cm)

More varieties in the NESIA™ series:



**NESIA™
Bananaberry**



**NESIA™
Banana Swirl**



**NESIA™
Burgundy**



**NESIA™
Dark Blue**



**NESIA™
Denim**



**NESIA™
Magenta**



**NESIA™
Snow Angel**



**NESIA™
Sunshine**



**NESIA™
Tropical**



**NESIA™
Tutti Frutti**

For additional technical growing information:

NESIA™ [CLICK HERE](#)



NESIA™

Nemesia hybrida



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Early Spring / Summer
Flowering



Width

(10 - 12")
25 - 30 cm



Height

(10 - 14")
25 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-68° F (18°-20° C)		Weeks 3-4 100 to 125 ppm N	Day of sticking & Week 2



Irrigation specification - Remove from mist as soon as possible



Apply broad spectrum fungicide the day of sticking to control leaf disease.
For the more vigorous varieties, apply Daminozide spray at 2000 ppm week 3.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide as needed	Day of sticking	
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed		

For additional technical growing information:

NESIA™ [CLICK HERE](#)



NESIA™

Nemesia hybrida



FINISHING TIPS

- Soil should remain evenly moist and do not run soil too wet during cooler growing conditions. Root system and foliage will develop problems under continuous wet soil conditions
- Cool temperature finishing for best quality and optimum flower color

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch – Recommended	100 - 200 ppm N	Daminozide spray application at 2500 to 3750 ppm
8 to 9 wks (15 cm) 6 ½"	1 ppp	Not Required – Day Neutral	Soil EC 1.0 - 1.2 pH 5.6 to 6.0	
8 to 9 wks (20 cm) 8"	3 ppp			Paclobutrazol drench application at 2 ppm

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 ppm on young finished plants - Paclobutrazol drench application at 2 ppm for finishing if required for the more vigorous varieties
- Maintain good airflow and allow plants to dry before nightfall
- Scout for Aphids, Thrips, Mites and Whitefly

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 150 to 200 ppm	Not required	Daminozide as needed 2500 ppm	Drench fungicide after transplant	
Week 6 to 12	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 150 to 200 ppm	Not required	Paclobutrazol Drench at 2 ppm		Paclobutrazol 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

NESIA™ [CLICK HERE](#)



HARMONY[®]

New Guinea Impatiens



HARMONY[®] Bicolor Red



- Top selling NGI series in North America
- Easy to grow and very reliable in production
- Great in 12 cm/quarts up to hanging baskets
- Mature height and width is 16" x 12" (41cm x 30cm)

Our best-selling varieties in the HARMONY[®] series:



**HARMONY[®]
Violet**



**HARMONY[®]
Orange Blaze**



**HARMONY[®]
Snow**



**HARMONY[®]
Magenta**



**HARMONY[®]
Red Cardinal**



**HARMONY[®]
Dark Lilac**



**HARMONY[®]
Candy Cream**



**HARMONY[®]
Purple Cream**



**HARMONY[®]
Tangerine**



**HARMONY[®]
Fire**

For additional technical growing information:

HARMONY[™] [CLICK HERE](#)



 **DANZIGER**
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HARMONY[®]

New Guinea Impatiens



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(14 - 18")
36 - 46 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 80 ppm N	Apply broad spectrum Week 2



- Spray adjuvant at sticking



- Spray Ethephon at 300 ppm the day after stick. This will reset flowering response. One hour of Ethephon on the leaves will be sufficient time while mist if off.
- Maintain warm temperatures allowing plants to develop and flower
- Average daily temperature of 70 F

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	6.0 / 6.5	0.50	72°-74° F (22°-23° C)		Not required		Day of sticking	
Week 2	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	80 ppm N in mist	Not required			
Week 4	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			
Week 5	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			Pinch is not recommended

For additional technical growing information:

HARMONY™ [CLICK HERE](#)



HARMONY[®]

New Guinea Impatiens



FINISHING TIPS

- Maintain a low EC level for proper growth and sizing of plant
- Transplant liners when plants are rooted and actively growing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 68°-70° F (20°-21° C)	Pinch –No	100 - 125 ppm N	If required, Uniconazole at 5 to 7 ppm spray application early in crop- Paclobutrazol at 0.5 ppm drench within 3 weeks of finishing
8 to 9 wks (15 cm) 6 ½"	68°-70° F (20°-21° C)	Daylength Neutral	Soil EC 0.8 - 1.0 pH 6.0 to 6.5	

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora



- PGR - Spray Uniconazole 5 to 7 ppm early in crop
Paclobutrazol drench application at 0.5 ppm for finishing
- Spray broad spectrum fungicide after transplant
- Scout for Aphids and Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Uniconazole spray	Drench fungicide at transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 0.5 ppm		Allow plants to reach 85% of required size before PGR application

For additional technical growing information:

HARMONY™ [CLICK HERE](#)



HARMONY® COLORFALL™

New Guinea Impatiens



BRAND
NEW 23



HARMONY® COLORFALL™
Dark Leaf Red



- Breakthrough NEW trailing line of NGI
- Dependable Harmony® genetics, new plant habit
- Easy to grow and reliable in production
- Perfect for shade baskets, pots and combos
- Also works well in the landscape
- Mature height and width is 12 inches x 16 inches (30 cm x 41 cm)

More varieties in the HARMONY® COLORFALL™ series:



HARMONY® COLORFALL™
Fuchsia



HARMONY® COLORFALL™
Orange



HARMONY® COLORFALL™
Passion



HARMONY® COLORFALL™
Light Coral



HARMONY® COLORFALL™
Neon Red



HARMONY® COLORFALL™
Pink



HARMONY® COLORFALL™
White

For additional technical growing information:

COLORFALL™ [CLICK HERE](#)



 **DANZIGER**
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HARMONY® COLORFALL™

New Guinea Impatiens



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(14 - 16")
36 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 80 ppm N	Apply broad spectrum Week 2



- Spray adjuvant at sticking



- Spray Ethephon at 300 ppm the day after stick. This will reset flowering response. One hour of Ethephon on the leaves will be sufficient time while mist if off.
- Maintain warm temperatures allowing plants to develop and flower
- Average daily temperature of 70 F

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	6.0 / 6.5	0.50	72°-74° F (22°-23° C)		Not required		Day of sticking	
Week 2	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	6.0 / 6.5	.80 to .90	72°-74° F (22°-23° C)	80 ppm N in mist	Not required			
Week 4	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			
Week 5	6.0 / 6.5	.80 to .90	70°-72° F (21°-22° C)	80 ppm N in mist	Not required			Pinch is not recommended

For additional technical growing information:

COLORFALL™ [CLICK HERE](#)



HARMONY® COLORFALL™

New Guinea Impatiens



FINISHING TIPS

- Maintain a low EC level for proper growth and sizing of plant
- Transplant liners when plants are rooted and actively growing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch –No Daylength Neutral	100 - 125 ppm N	If required, Uniconazole at 5 to 7 ppm spray application early in crop- Paclobutrazol at 0.5 ppm drench within 3 weeks of finishing
(12 cm) 5” pot	68°-70° F (20°-21° C)			
8 to 9 wks	68°-70° F (20°-21° C)		Soil EC 0.8 - 1.0 pH 6.0 to 6.5	
(15 cm) 6 ½”				

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Uniconazole 5 to 7 ppm early in crop
Paclobutrazol drench application at 0.5 ppm for finishing
- Spray broad spectrum fungicide after transplant
- Scout for Aphids and Thrips on regular basis

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Uniconazole spray	Drench fungicide at transplant	
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Paclobutrazol Drench at 0.5 ppm		Allow plants to reach 85% of required size before PGR application

For additional technical growing information:

COLORFALL™ [CLICK HERE](#)



OSTICA™

Osteospermum ecklonis



Ostica™ Glamour

- Early flowering time
- Controlled habit
- Can be grown in warm greenhouse with no cooling
- Mature height and width is 10 inches x 10 inches (25cm x 25cm)

Other top selling varieties in the OSTICA™ series:



Ostica™ Glamour



Ostica™ Amethyst



Ostica™ Bronze



Ostica™ Mega Pink



Ostica™ Midnight

For additional technical growing information:

OSTICA™ [CLICK HERE](#)



OSTICA™

Osteospermum ecklonis



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10-12")
25 - 30 cm



Height

(8 - 10")
20 - 25 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification – Spray adjuvant after sticking.



Application of IBA or K-IBA can hasten rooting. Daminozide at 2500 ppm day of sticking. Lighting in propagation will hasten flowering response - Night interruption or extended day. Pinch is not recommended.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day of sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		

For additional technical growing information:

OSTICA™ [CLICK HERE](#)



OSTICA™

Osteospermum ecklonis



FINISHING TIPS

- Pinch is not recommended
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 60°-68° F (16°-20° C)	Pinch not recommende d	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"	60°-68° F (16°-20° C)	No lighting necessary	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
8 to 9 wks (20 cm) 8"	3 plants per container			
8 to 9 wks (25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Consistent soil moisture levels are best – allow soil to dry slightly between irrigations
- Scout for Aphids and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

OSTICA™ [CLICK HERE](#)



OSTICADE™

Osteospermum ecklonis



NEW 22



OSTICADE™ Daybreak

- Early flowering time
- Mounded/Semi Trailing habit is perfectly suited for hanging baskets and patio pots
- Can be grown in a warm greenhouse with no cooling
- Mature height and width is 8 inches x 12 inches (20cm x 30cm)

More varieties in the OSTICADE™ series:



OSTICADE™ Yellow



OSTICADE™ Lemon



OSTICADE™ Purple



OSTICADE™ Pure White



OSTICADE™ Pink

For additional technical growing information:

OSTICADE™ [CLICK HERE](#)



 **DANZIGER**

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OSTICADE™

Osteospermum ecklonis



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(12 - 14")
30 - 36 cm



Height
(8 - 10")
20 - 25 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification – Spray adjuvant after sticking.



Application of IBA or K-IBA can hasten rooting. Daminozide at 2500 ppm day of sticking. Lighting in propagation will hasten flowering response - Night interruption or extended day. Pinch is not recommended.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day of sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed		
Week 5	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed	Week 5	

For additional technical growing information:

OSTICADE™ [CLICK HERE](#)



OSTICADE™

Osteospermum ecklonis



FINISHING TIPS

- Pinch is not recommended
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks (12 cm) 5" pot	Average Day 60°-68° F (16°-20° C)	Pinch not recommende d	100 - 150 ppm N	In liner and finish stages
8 to 9 wks (15 cm) 6 ½"	60°-68° F (16°-20° C)	No lighting necessary	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
8 to 9 wks (20 cm) 8"	3 plants per container			
8 to 9 wks (25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Consistent soil moisture levels are best – allow soil to dry slightly between irrigations
- Scout for Aphids and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	
Week 6 to 12	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

OSTICADE™ [CLICK HERE](#)



PRIMAVERA™

Pericallis hybrida



Primavera™ Fuchsia

- Early flowering time
- Suitable for small pots
- Compact with mounded habit
- Good heat tolerance in the Pericallis category
- Finished height and width is 12 inches x 12 inches (30cm x 30cm)

Other top selling varieties in the PRIMAVERA™ series:



**Primavera™
Fuchsia**



**Primavera™
Denim**



**Primavera™
Blueberry**



**Primavera™
Lavender**



**Primavera™
Navy Blue**

For additional technical growing information:

PRIMAVERA™ [CLICK HERE](#)



PRIMAVERA™

Pericallis hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification – Spray adjuvant after sticking. Do not over-mist or saturate soil.



Drench plants with fungicide to protect against root and stem pathogens. Daminozide at 2500 ppm if required week 4 / 5. Pinch the week before transplant or at transplant. Provide adequate air-movement and allow plants to dry going into the evening.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day of sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm				
Week 4	5.6 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm		Daminozide as needed		
Week 5	5.6 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	Feed 100 ppm		Daminozide as needed		

For additional technical growing information:

PRIMAVERA™ [CLICK HERE](#)



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PRIMAVERA™

Pericallis hybrida



FINISHING TIPS

- Spray fungicide to protect against Powdery Mildew – Supply adequate airflow
- Cool temperature finishing for best quality – 55 to 60 F average daily temperature

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch week before transplant or at transplant Day Neutral	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	55°-60° F (13°-16° C)		Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
8 to 9 wks	1 plant per container			
(15 cm) 6 ½”				
8 to 9 wks				
(20 cm) 8”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Allow soil to dry between irrigations / For southern regions, some shade may be necessary
- Best to feed with Nitrate forms of Nitrogen
- Daminozide at 2500 to 3750 ppm / Paclobutrazol at 1 to 2 ppm to finish crop
- Fuchsia, Navy Blue and Violet are the earliest to flower and most vigorous
- Scout for Aphids, Mites and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	5.8 to 6.2	1.0 to 1.2	55°-60° F (13°-16° C)	feed 100 to 150 ppm		Daminozide as needed	Drench fungicide after transplant	
Week 6 to 12	5.8 to 6.2	1.0 to 1.2	55°-60° F (13°-16° C)	feed 100 to 150 ppm	Not Required	Paclobutrazol Drench at 1 to 2 ppm	Control of water molds and Thielaviopsis	Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

PRIMAVERA™ [CLICK HERE](#)

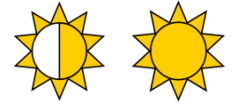


AMORE[®]

Petunia hybrida



AMORE[®] Heart & Soul



- Unique heart shaped pattern on every bloom
- Early flowering with a mounded habit
- Great in pots, baskets and combos
- A unique product with retail and end-consumer appeal
- Mature height and width is 12" x 18" (30cm x 46cm)

More varieties in the AMORE[®] series:



AMORE[®] Queen of Hearts



AMORE[®] King of Hearts



AMORE[®] Pink Hearts



AMORE[®] Fluttering Heart



AMORE[®] Purple



AMORE[®] Fiesta

For additional technical growing information:

AMORE[™] [CLICK HERE](#)



AMORE[®]

Petunia hybrida



PROPAGATION

TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(14 - 18")
36 - 46 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21 -22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing. Amore[®] Fiesta, Heart & Soul and Queen of Heart are most vigorous varieties within the series.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is optional depending on region	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

AMORE™ [CLICK HERE](#)



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AMORE[®]

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	100 - 150 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
8 to 9 wks (15 cm) 6 ½"		Additional lighting is optional depending on region	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks (20 cm) 8"	3 plants per container			
8 to 10 wks (25 cm) 10"	3 plants per container			

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora
ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD	PROPAMOCARB
	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Ancymidol tank mix to control height.
Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

AMORE™ [CLICK HERE](#)



CAPELLA™

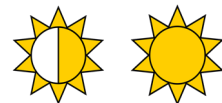
Petunia hybrida



BRAND
NEW 23



CAPELLA™ Ruby Red Imp.



- The perfect petunia – performs well in propagation, the greenhouse AND for the end consumer
- Naturally controlled habit was selected for quart production but will also grow to fill a larger pot
- Blooms early enough for any market
- Mature height and width is 8 inches x 12 inches (25cm X 30cm)

More varieties in the CAPELLA™ series:



CAPELLA™ Indigo Imp.



CAPELLA™ Mulberry



CAPELLA™ White Imp.



CAPELLA™ Coral



CAPELLA™ Hello Yellow



CAPELLA™ Rose



CAPELLA™ Salmon



CAPELLA™ Sangria



CAPELLA™ Baby Pink



CAPELLA™ Burgundy



**CAPELLA™
Cherry Vanilla**



**CAPELLA™
Neon Pink**



**CAPELLA™
Pink Lace**



**CAPELLA™
Purple**



**CAPELLA™
Purple Veins**



**CAPELLA™
Soft Yellow**

For additional technical growing information:

CAPELLA™ [CLICK HERE](#)



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CAPELLA™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(8 - 10")
20 - 25 cm



Height

(10 - 14")
25- 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2000 ppm / Uniconazole @ 5 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

CAPELLA™ [CLICK HERE](#)



CAPELLA™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks	Average Day	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2000 ppm / Uniconazole @ 5 ppm if plants are aggressively growing
(12 cm) 5” pot	68°-72° F (20°-22° C)			
8 to 9 wks	1 plant per container	Additional lighting is not required	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
(15 cm) 6 ½”				
8 to 10 wks				
(20 cm) 8”	3 plants per container			
8 to 10 wks				
(25 cm) 10”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

CAPELLA™ [CLICK HERE](#)

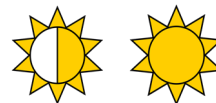


CASCADIAS™

Petunia hybrida



BRAND NEW 23



- Available in many unique bloom patterns and colors
- Early flowering with a semi-trailing habit
- Makes a showy premium basket
- Mature height and width is 14 inches x 18 inches (36cm x 46cm)

CASCADIAS™ Rim Cherry Improved

The CASCADIAS™ series:



CASCADIAS™
Rim Violet Imp



CASCADIAS™ Fuchsia



CASCADIAS™ Indigo



CASCADIAS™
Autumn Mystery



CASCADIAS™
Bicolor Cabernet



CASCADIAS™
Indian Summer



CASCADIAS™
Fantasy Hot Pink



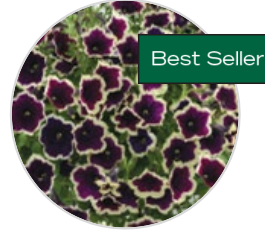
CASCADIAS™
Pitaya



CASCADIAS™
Purple Gem



CASCADIAS™
Rim Chianti



CASCADIAS™
Rim Magenta

For additional technical growing information:

CASCADIAS™ [CLICK HERE](#)



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CASCADIAS™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(14 - 18")
36 - 46 cm



Height
(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is optional depending on region	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

CASCADIAS™ [CLICK HERE](#)



CASCADIAS™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
8 to 9 wks (15 cm) 6 ½"		Additional lighting is optional depending on region	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks				
(20 cm) 8"	3 plants per container			
8 to 10 wks				
(25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRDIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

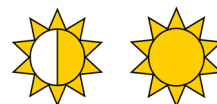
For additional technical growing information:

CASCADIAS™ [CLICK HERE](#)



HIPPY CHICK™

Petunia hybrida



HIPPY CHICK™ Violet

- Unique bloom shape with white edge stands out and attracts attention
- Mounded habit works well in baskets and patio pots
- Blooms early enough for any market
- Mature size 14" X 24"
(46cm x 61cm)

For additional technical growing information:

HIPPY CHICK™ [CLICK HERE](#)



 **DANZIGER**

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HIPPY CHICK™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(18 - 24")
46 – 61 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



Light extension in propagation is not required. The variety is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

HIPPY CHICK™ [CLICK HERE](#)



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HIPPY CHICK™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8wks	Average Day	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
(15 cm) 6 ½ ” pot	68°-72° F (20°-22° C)			
8 to 9 wks	3 plants per container		Light is optional since Petunia are facultative long day	
(20 cm) 8”				
8 to 10 wks				
(25 cm) 10”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 14	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

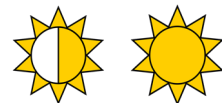
For additional technical growing information:

HIPPY CHICK™ [CLICK HERE](#)



LITTLETUNIA®

Petunia hybrida



LITTLETUNIA® Buttercream

- Excellent longevity all season long
- Early flowering
- Rain resistance is a key feature in this series
- Mature height and width is 8" x 14" (20cm x 36cm)

More varieties in the LITTLETUNIA® series:



**LITTLETUNIA®
Bicolor Illusion**



**LITTLETUNIA®
Bright Red**



**LITTLETUNIA®
Blue Vein**



**LITTLETUNIA®
Pink**



**LITTLETUNIA®
Pink Splash**



**LITTLETUNIA®
Pink Frills**



**LITTLETUNIA®
Purple Blue**



**LITTLETUNIA®
Rose**



**LITTLETUNIA®
Shiraz**



**LITTLETUNIA®
Violet**



**LITTLETUNIA®
White Grace**

For additional technical growing information:

LITTLETUNIA™ [CLICK HERE](#)



 **DANZIGER**

www.danzigeronline.com |   

LITTLETUNIA®

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 14")
25 - 36 cm



Height

(8 - 10")
20 - 25 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 1500 to 2000 ppm should be sufficient to control growth on LittleTunia™ series.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

LITTLETUNIA™ [CLICK HERE](#)



LITTLETUNIA®

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks	Average Day	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 1500 to 2000 ppm
(12 cm) 5" pot	68°-72° F (20°-22° C)			
7 to 8 wks		Additional lighting is not required	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
(15 cm) 6 ½"				
8 to 9 wks				
(20 cm) 8"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide at 1500 to 2000 ppm for height control

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A			

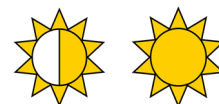
For additional technical growing information:

LITTLETUNIA™ [CLICK HERE](#)



ORCHID FROST™

Petunia hybrida



ORCHID FROST™ Violet

- Beautiful watercolor like pattern on large showy blooms
- Mounded habit works well in baskets and patio pots
- Blooms early enough for any market
- Mature Height and Width 16" X 24" (40cm x 61cm)

For additional technical growing information:

ORCHID FROST™ [CLICK HERE](#)



ORCHID FROST™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(20 - 26")
51 - 66 cm



Height

(12 - 16")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Orchid Frost is very vigorous variety. Daminozide at 1500 ppm the day after sticking.

Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

ORCHID FROST™ [CLICK HERE](#)



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ORCHID FROST™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
8 to 10 wks (20 cm) 8"	Average Day 68°-70° F (20°-21° C)	No pinch necessary Light is optional since Petunia are facultative long day	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
8 to 10 wks (25 cm) 10"	3 plants per container		Soil EC 1.2 - 1.5 pH 5.6 to 6.0	



- Orchid Frost is a vigorous growing variety with large leaves and flowers-is best grown in larger containers
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

ORCHID FROST™ [CLICK HERE](#)



RAY™

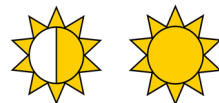
Petunia hybrida



NEW 22



Sunshine Improved RAY™



- Large flowers with a mounding habit makes for tidy baskets or great small pots
- Early enough for any market
- No pinching needed
- Mature height and width is 12" x 14" (30cm x 36cm)

More varieties in the RAY™ series:



Sunflower Imp. RAY™



Red Imp. RAY™



Fuchsia RAY™



Purple Vein RAY™



Sunshine RAY™



Black RAY™



Pistachio Cream RAY™



White RAY™



Blue Imp. RAY™



Purple RAY™

For additional technical growing information:

RAY™ [CLICK HERE](#)



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RAY™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(12 - 14")
30 - 36 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is optional depending on region	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

RAY™ [CLICK HERE](#)



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RAY™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
8 to 9 wks (15 cm) 6 ½"			Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks (20 cm) 8"	3 plants per container			
8 to 10 wks (25 cm) 10"	3 plants per container			

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

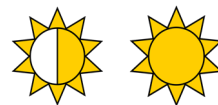
For additional technical growing information:

RAY™ [CLICK HERE](#)



RIMarkable™

Petunia hybrida



BRAND
NEW 23



RIMarkable™

- Vigorous, mounded habit that works well in baskets and patio pots
- Blooms early enough for any market
- Mature Width 18" X 24" (46cm x 61cm)

For additional technical growing information:

RIMARKABLE™ [CLICK HERE](#)



RIMarkable™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(18 - 24")
46 – 61 cm



Height

(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



Light extension in propagation is not required. The variety is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist		Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

RIMARKABLE™ [CLICK HERE](#)



RIMarkable™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
(15 cm) 6 1/2" pot	68°-72° F (20°-22° C)			
8 to 9 wks	3 plants per container		Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
(20 cm) 8"				
8 to 10 wks				
(25 cm) 10"	3 plants per container			

Pests	Diseases
Aphids	Botrytis
Thrips	Pythium
	Phytophthora

- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 14	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

RIMARKABLE™ [CLICK HERE](#)

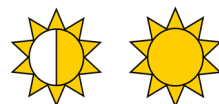


SCOOP™

Petunia hybrida



SCOOP™ Watermelon



- Naturally compact habit is well suited for high density production
- Selected specifically to perform well in small packs or quarts, will fill a 6"
- Minimal to no PGR needed
- Appealing bright colors grab attention at retail
- Blooms early enough for any market
- Mature height and width is 8" x 12" (20cm x 30cm)

More varieties in the SCOOP™ series:



SCOOP™
Strawberry Swirl



SCOOP™
Violet Creme



SCOOP™
Sweet Punch



SCOOP™
French Vanilla



SCOOP™
Lemon Ice



SCOOP™
Berry Brûlée



SCOOP™
Cherry Gelato

For additional technical growing information:

[SCOOP™ CLICK HERE](#)



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SCOOP™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(8 - 10")
20 - 25 cm



Height

(10 - 14")
25- 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 1500 to 2000 ppm should be sufficient to control growth on Scoop™ series.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

[SCOOP™ CLICK HERE](#)



SCOOP™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 1500 to 2000 ppm
8 to 9 wks (15 cm) 6 ½"		Additional lighting is not required	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks				
(20 cm) 8"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

[SCOOP™ CLICK HERE](#)



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SPLASH DANCE™

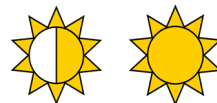
Petunia hybrida



BRAND
NEW 23



SPLASH DANCE™ Calypso Cherry



- Selected to hold its speckled pattern into the heat
- Mounded habit works well in baskets and combos
- Blooms early enough for any market
- Mature Height and Width 18 inches X 24 inches (46cm x 61cm)

More varieties in the SPLASH DANCE™ series:



**SPLASH DANCE™
Fuchsia Flamenco**



**SPLASH DANCE™
Rumba Rose**



**SPLASH DANCE™
Moon Walk**



**SPLASH DANCE™
Violet Vogue**



**SPLASH DANCE™
Poppin' Pink**



**SPLASH DANCE™
Bolero Blue**



**SPLASH DANCE™
Magenta Mambo**



**SPLASH DANCE™
Purple Polka**

For additional technical growing information:

SPLASH DANCE™ [CLICK HERE](#)



 **DANZIGER**
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SPLASH DANCE™

Petunia hybrida



PROPAGATION TIPS

- Stick on priority – Number 2 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(18 - 24")
46 - 61 cm



Height

(18 - 24")
46 - 61 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



The series is well branched so pinching is not need for a quality finish. Daminozide at 1500 ppm the day after sticking. Week 4 – Daminozide @ 2500 ppm / Uniconazole @ 10 ppm tank mix if plants are aggressively growing.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.6 / 6.0	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is optional depending on region	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.6 to 6.0	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.6 to 6.0	.90 to 1.0	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide/ Uniconazole tank mix if required		

For additional technical growing information:

SPLASH DANCE™ [CLICK HERE](#)



SPLASH DANCE™

Petunia hybrida



FINISHING TIPS

- Maintain lower pH levels for optimal Iron (Fe) and Manganese (Mn) availability to plants
- Cool temperature is best for high quality finishing

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	No pinch necessary	150 - 200 ppm N	In liner and finish stages. Daminozide @ 2500 ppm / Uniconazole @ 10 ppm if plants are aggressively growing
8 to 9 wks (15 cm) 6 ½"		Additional lighting is optional depending on region	Soil EC 1.2 - 1.5 pH 5.6 to 6.0	
8 to 10 wks (20 cm) 8"	3 plants per container			
8 to 10 wks (25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRDIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Additional Iron (Fe) or Manganese (Mn) may be required depending on water quality and alkalinity
- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.6 to 6.0	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Daminozide/ Uniconazole tank mix if required	Spray fungicide after transplant	
Week 5 to 15	5.6 to 6.0	1.2 to 1.5	65°-68° F (18°-20° C)	feed 100 to 150 ppm	N/A	Paclobutrazol Drench at 1 to 2 ppm		Paclobutrazol 1 to 2 ppm drench when plants reach 85% of desired size

For additional technical growing information:

SPLASH DANCE™ [CLICK HERE](#)

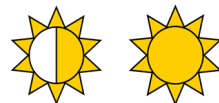


PHLOXSTAR™

Phlox drummondii



BRAND
NEW 23



PHLOXSTAR™ Magenta

- Phloxstar is a rock star in the garden
- Tested for easy rooting
- Very strong plant that will last all summer long
- Mature height and width is 12 inches x 14 inches (30cm x 36cm)

More varieties in the PHLOXSTAR™ series:



Phloxstar™ Red



Phloxstar™ White

For additional technical growing information:

PHLOXSTAR™ [CLICK HERE](#)



PHLOXSTAR™

Phlox drummondii



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time
Spring / Summer
Flowering



Width
(14-16")
36 - 41 cm



Height
(12 - 14")
30 - 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 65°-68° F (18°-20° C)		Weeks 3-5 100 to 150 ppm N	Spray fungicide to control Botrytis and bacteria Week 2



Irrigation specification – Spray adjuvant after sticking.



Application of IBA or K-IBA can hasten rooting. Lighting in propagation will hasten flowering response - Night interruption or extended day. A pinch is recommended the week prior to transplant or at transplant.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	6.0 / 6.5	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Beneficial		Day of sticking	Feeding through Mist
Week 2	6.0 to 6.5	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	6.0 to 6.5	.80 to .90	Cool to 68° F (20° C)	Feed 100 ppm to 150 ppm				
Week 4	6.0 to 6.5	.80 to .90	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm				
Week 5	6.0 to 6.5	0.9 to 1.0	65°-68° F (18°-20° C)	Feed 100 ppm to 150 ppm		Daminozide as needed @ 1500 ppm	Spray for Powdery Mildew	

For additional technical growing information:

PHLOXSTAR™ [CLICK HERE](#)



PHLOXSTAR™

Phlox drummondii



FINISHING TIPS

- Spray for Powdery Mildew control
- Cool temperature finishing for best quality

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
7 to 8 wks	Average Day	Pinch is recommended	100 - 150 ppm N	In liner and finish stages
(12 cm) 5” pot	60°-68° F (16°-20° C)			
8 to 9 wks	60°-68° F (16°-20° C)	Phlox d. responds to long days to hasten flowering	Soil EC 0.9 - 1.2 pH 6.0 to 6.5	
(15 cm) 6 ½”				
8 to 9 wks				
(20 cm) 8”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- Consistent soil moisture levels are best – allow soil to dry slightly between irrigations
- Scout for Aphids and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 6 Transplant	6.0 to 6.5	0.9 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as needed	Spray fungicide after transplant	Daminozide @ 2000 to 2500 ppm
Week 6 to 13	6.0 to 6.5	.09 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm	Optional	Paclobutrazol Drench		If plants are growing under warm conditions, Paclobutrazol drench application at 0.25 to 0.5 ppm

For additional technical growing information:

PHLOXSTAR™ [CLICK HERE](#)



MEGA PAZZAZ™

Portulaca oleracea



BRAND
NEW 23



MEGA PAZZAZ™ Pink Twist

- MEGA PAZZAZ™ has extra large blooms on a moderate trailing habit
- Well suited for gallons and hanging baskets
- Perfect for heat tolerant/drought tolerant programs
- Mature Height and Width 14 inches X 24 inches (36cm x 61cm)

More varieties in the MEGA PAZZAZ™ series:



**MEGA PAZZAZ™
Mango Twist**



**MEGA PAZZAZ™
Red**



**MEGA PAZZAZ™
Purple**



**MEGA PAZZAZ™
Gold**



**MEGA PAZZAZ™
Orange**



**MEGA PAZZAZ™
Dark Pink**

For additional technical growing information:

MEGA PAZZAZ™ [CLICK HERE](#)



MEGA PAZZAZ™

Portulaca oleracea



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

Late Spring / Summer
Flowering



Width

(18 - 24")
46- 61 cm



Height

(14 - 16")
36 - 41 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 68°-70° F (20°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible/excess misting will create uneven rooting and delay rooting



This genera is top priority for sticking. Remove plants from box upon receiving allowing air-movement around bags. Daminozide at 1500 ppm the day after sticking. Depending on growth, pinch week 3 or at transplant to allow improved branching.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	68°-70° F (20°-21° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

MEGA PAZZAZ™ [CLICK HERE](#)



MEGA PAZZAZ™

Portulaca oleracea



FINISHING TIPS

- Allow plants to dry completely between irrigations
- Maintain warm temperatures allowing plants to develop

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks	Average Day	Pinch 1 to 2 times	150 - 200 ppm N	Daminozide @ 2500 ppm or tank mix of Daminozide / Uniconazole for finishing
(12 cm) 5” pot	68°-72° F (20°-22° C)			
6 to 7 wks		Additional lighting will hasten flowering under short days	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
(15 cm) 6 ½”				
7 to 9 wks				
(20 cm) 8”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide / Uniconazole tank mix to control height
- Scout for Aphids, Thrips and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	65°-72° F (18°-22° C)	feed 100 to 150 ppm		Daminozide as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	65°-72° F (18°-22° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm or tank mix of Daminozide / Uniconazole for finishing		

For additional technical growing information:

MEGA PAZZAZ™ [CLICK HERE](#)



PAZZAZ NANO™

Portulaca oleracea



BRAND
NEW 23



PAZZAZ™ NANO
Orange Twist

- Naturally compact, trailing habit that works well for small and mid-sized containers
- Perfect for heat tolerant/drought tolerant programs
- Available in a wide array of vibrant colors, including bicolors
- Mature height and width is 8 inches x 12 inches (20cm x 30cm)

More varieties in the PAZZAZ NANO™ series:



PAZZAZ™ NANO
Yellow Twist



PAZZAZ™ NANO
Gold



PAZZAZ™ NANO
Tropical Punch



PAZZAZ™ NANO
Fuchsia Improved



PAZZAZ NANO™
Purple



PAZZAZ NANO™
Candy Pink



PAZZAZ NANO™
Fuchsia



PAZZAZ NANO™
Yellow



PAZZAZ NANO™
Hot Pink



PAZZAZ NANO™
Orange

For additional technical growing information:

PAZZAZ NANO™ [CLICK HERE](#)



PAZZAZ NANO™

Portulaca oleracea



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

Late Spring / Summer
Flowering



Width

(10 - 12")
25- 30 cm



Height

(8 - 10")
20 - 25 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 68°-70° F (20°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible/excess misting will create uneven rooting and delay rooting



This genera is top priority for sticking. Remove plants from box upon receiving allowing air-movement around bags. Daminozide at 1500 ppm the day after sticking. Depending on growth, pinch week 3 or at transplant to allow improved branching.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	68°-70° F (20°-21° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

PAZZAZ NANO™ [CLICK HERE](#)



PAZZAZ NANO™

Portulaca oleracea



FINISHING TIPS

- Allow plants to dry completely between irrigations
- Maintain warm temperatures allowing plants to develop

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	Pinch Additional lighting will hasten flowering under short days	150 - 200 ppm N	Daminozide @ 2500 ppm for finishing if required
6 to 7 wks (15 cm) 6 ½"			Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
7 to 9 wks (20 cm) 8"				
	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide control height
- Scout for Aphids, Thrips and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Daminozide as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm for finishing		

For additional technical growing information:

PAZZAZ NANO™ [CLICK HERE](#)



PAZZAZ™

Portulaca oleracea



BRAND
NEW 23



PAZZAZ™ Red Flare Improved

- Moderate trailing habit that works well for gallon and hanging basket production
- Perfect for heat tolerant/drought tolerant programs
- Available in a wide array of vibrant colors
- Mature height and width is 12 inches x 14 inches (30cm x 36cm)

More varieties in the PAZZAZ™ series:



PAZZAZ™ Apricot



PAZZAZ™ Bright Purple



PAZZAZ™ Fuchsia



PAZZAZ™ Pink Glow



PAZZAZ™ Tangerine



PAZZAZ™ White



PAZZAZ™ Yellow imp.

For additional technical growing information:

PAZZAZ™ [CLICK HERE](#)



 **DANZIGER**

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PAZZAZ™

Portulaca oleracea



PROPAGATION TIPS

- Stick on priority – Number 1 out of 4 categories



Flowering time

Late Spring / Summer
Flowering



Width

(14 - 16")
36- 41 cm



Height

(10 - 12")
25 - 30 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	No	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 68°-70° F (20°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible/excess misting will create uneven rooting and delay rooting



This genera is top priority for sticking. Remove plants from box upon receiving allowing air-movement around bags. Daminozide at 1500 ppm the day after sticking. Depending on growth, pinch week 3 or at transplant to allow improved branching.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Additional lighting is not required	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	68°-70° F (20°-21° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

PAZZAZ™ [CLICK HERE](#)



PAZZAZ™

Portulaca oleracea



FINISHING TIPS

- Allow plants to dry completely between irrigations
- Maintain warm temperatures allowing plants to develop

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks (12 cm) 5" pot	Average Day 68°-72° F (20°-22° C)	Pinch Additional lighting will hasten flowering under short days	150 - 200 ppm N	Daminozide @ 2500 ppm for finishing
6 to 7 wks (15 cm) 6 ½"			Soil EC 1.0 - 1.2 pH 5.8 to 6.2	
7 to 9 wks				
(20 cm) 8"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide control height
- Scout for Aphids, Thrips and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Daminozide as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm for finishing		

For additional technical growing information:

PAZZAZ™ [CLICK HERE](#)



SALLYFUN™

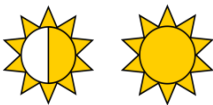
Salvia farinacea



BRAND
NEW 23



Blue Lagoon



- Fast growth rate and early bloomer
- Full plant with upright habit
- Strong flower pedicle T
- Tolerates heat well
- Attracts pollinators

More varieties in the SALLYFUN™ series:

Medium



SALLYFUN™
Bicolor Blue



SALLYFUN™
Blue Ice



SALLYFUN™
Blue



SALLYFUN™
Deep Ocean



SALLYFUN™
Pure White

Large



SALLYFUN™ Blue Emotion



SALLYFUN™ Sky Blue



SALLYFUN™ XL Blue



SALLYFUN™ Snowwhite

For additional technical growing information:

[SALLYFUN™ CLICK HERE](#)



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SALLYFUN™

Salvia farinacea



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 14")
25- 36 cm



Height

(14 - 20")
36 - 46 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21° - 22° C)	Optional	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-70° F (18°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



Spray adjuvant at sticking . Daminozide at 2000 ppm the day after sticking.
Depending on growth, pinch week 3 or at transplant to allow improved branching.

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Neutral	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

SALLYFUN™ [CLICK HERE](#)



SALLYFUN™

Salvia farinacea



FINISHING TIPS

- Allow plants to dry between irrigations
- Sallyfun Salvia will flower easily for early season requirements

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks (12 cm) 5" pot	Average Day 65°-68° F (18°-20° C)	Pinch Day Neutral	150 - 200 ppm N	Daminozide @ 2500 ppm for finishing
6 to 7 wks (15 cm) 6 ½"			Soil EC 1.0 - 1.5 pH 5.8 to 6.2	Paclobutrazol 1 to 2 ppm drench
7 to 9 wks (20 cm) 8"	3 plants per container			
7 to 9 wks (25 cm) 10"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID,DICHLORVOS
	Thrips	METHIOCARB,ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRODIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide for height control / Paclobutrazol drench for finishing
- Scout for Aphids, Leafminers and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	68°-72° F (20°-22° C)	feed 100 to 150 ppm		Paclobutrazol @ 1 to 2 ppm drench to finish		Paclobutrazol drench when flower bud emerge

For additional technical growing information:

SALLYFUN™ [CLICK HERE](#)



SCAEVOLA

Scaevola aemula



NEW 22



Indigo TOUCH™

- Flowers open all at the same time with strong color, its semi upright structure is perfect for quarts and larger
- The White Touch™ variety remains pure white even in low temp
- White Touch™ and Blue Touch™ are great for baskets and combos

More varieties in the Scaevola lineup:



TOUCH™ Baby Pink



TOUCH™ Deep Pink



Blue TOUCH™



White TOUCH™



Pink Blessing™



Purple Haze™

For additional technical growing information:

SCAEVOLA™ [CLICK HERE](#)



 **DANZIGER**

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SCAEVOLA

Scaevola aemula



PROPAGATION TIPS

- Stick on priority – Number 4 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 16")
25 - 41 cm



Height

(6 - 10")
20 - 25 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
5 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Recommended	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 5 68°-70° F (20°-21° C)		Weeks 3-5 100 to 150 ppm N	Apply broad spectrum Week 2



Misting specification - Remove from mist as soon as possible
Do not over-mist or saturate soil - Spray adjuvant at sticking



- Maintain warm temperatures allowing plants to develop.
- Spray Daminozide at 2000 to 2500 ppm as required
- Pinch is recommended week 4 or at transplant

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Day of sticking	
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist	Not required		Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	72°-74° F (22°-23° C)	Feed 100 ppm to 150 ppm	Not required			
Week 4	5.8 to 6.2	1.0 to 1.2	70° F (21° C)	Feed 100 to 150 ppm	Not required			
Week 5	5.8 to 6.2	1.0 to 1.2	70° F (21° C)	Feed 100 to 150 ppm	Not required	Daminozide as needed		Daminozide @ 2000 to 2500 ppm

For additional technical growing information:

SCAEVOLA™ [CLICK HERE](#)



SCAEVOLA

Scaevola aemula



FINISHING TIPS

- Keep the temperatures moderately warm to allow plants to continue to develop (average daily temperature at 68 to 70 F (20 to 21 C))

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
6 to 7 wks (12 cm) 5" pot	Average Day 68°-70° F (20°-21° C)	Pinch –Yes	150 - 200 ppm N	Spray Daminozide @ 2500 to 3750 ppm
8 to 9 wks (15 cm) 6 ½"		Night interruption or extended day- Optional	Soil EC 1.0 - 1.2 pH 5.8 to 6.2	Paclobutrazol drench @ 1 to 2 ppm
8 to 9 wks				
(20 cm) 8"	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN
	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide at 2500 to 3750 ppm for finishing plants
- Paclobutrazol drench application at 1 to 2 ppm for finishing if required
- Drench a broad spectrum fungicide after transplant
- Scout for Aphids and Fungus Gnats and Mites

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 5 Transplant	5.8 to 6.2	1.0 to 1.2	68°-70° F (20°-21° C)	feed 100 to 150 ppm		B-9 as needed	Spray fungicide after transplant	Spray Daminozide @ 2500 to 3750 ppm
Week 6 to 13	5.8 to 6.2	1.0 to 1.2	68°-70° F (20°-21° C)	feed 100 to 150 ppm		Paclobutrazol Drench if required		Paclobutrazol drench @ 1 to 2 ppm

For additional technical growing information:

SCAEVOLA™ [CLICK HERE](#)

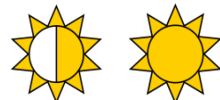


VANESSA™

Verbena x hortensis



BRAND
NEW 23



VANESSA™ Optik Grape

- Strong show of color at retail and in the garden
- Tested for mildew tolerance and cycling of color
- Mature height and width is 10 inches x 18 inches (25cm x 46cm)

More varieties in the VANESSA™ series:



VANESSA™
Bicolor Indigo



VANESSA™
Bicolor Pink



VANESSA™
Bicolor Purple



VANESSA™
Dark Pink



VANESSA™
Purple



VANESSA™
Red



VANESSA™
Violet



VANESSA™
White Improved

For additional technical growing information:

VANESSA™ [CLICK HERE](#)



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VANESSA™

Verbena x hortensis



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(14 - 20")
36 - 51 cm



Height

(10 - 14")
25- 36 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Not required	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-70° F (18°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



Spray adjuvant at sticking . Daminozide at 2000 ppm the day after sticking
No pinch is necessary for producing an excellent liner

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Neutral	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

VANESSA™ [CLICK HERE](#)



VANESSA™

Verbena x hortensis



FINISHING TIPS

- Verbena respond well to Negative DIF to control height
- Verbena Vanessa™ will flower easily for early season requirements

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks (12 cm) 5" pot	Average Day 60°-68° F (16°-20° C)	No pinch is necessary Day Neutral	150 - 200 ppm N	Daminozide @ 2500 ppm for finishing
6 to 7 wks (15 cm) 6 ½"			Soil EC 1.0 - 1.5 pH 5.8 to 6.2	Paclobutrazol @ 1 to 2 ppm drench to finish
7 to 8 wks (20 cm) 8"	3 plants per container			
7 to 8 wks (25 cm) 10"	3 plants per container			

Pests	Aphids Thrips	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
Diseases	Botrytis Pythium Phytophthora	CYPRODINIL+FLUDIOXONIL, IPRADIONE, POLYOXIN PROPAMOCARB PROPAMOCARB



- PGR - Spray Daminozide for height control / Paclobutrazol drench for finishing
- Scout for Aphids, Leafminers, Thrips and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	60°-68° F (16°-20° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	60°-68° F (16°-20° C)	feed 100 to 150 ppm		Paclobutrazol @ 1 to 2 ppm drench		Paclobutrazol drench when plants reach 85% of desired size

For additional technical growing information:

VANESSA™ [CLICK HERE](#)

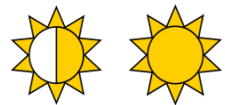


VANESSA™ COMPACT

Verbena x hortensis



VANESSA™ COMPACT Bordeaux



- Tested for mildew tolerance and cycling of color
- This sub series of high performing Vanessa has a naturally controlled habit
- Little to no PGR needed
- Mature height and width is 8 inches x 12 inches (25cm X 30cm)

More varieties in the VANESSA™ COMPACT series:



VANESSA™ COMPACT Rosa



VANESSA™ COMPACT Bicolor Purple



VANESSA™ COMPACT Bicolor Rose



VANESSA™ COMPACT Deep Pink



VANESSA™ COMPACT Lavender



VANESSA™ COMPACT Lime



VANESSA™ COMPACT Neon Pink



VANESSA™ COMPACT Optik Lavender



VANESSA™ COMPACT Pink



VANESSA™ COMPACT Red



VANESSA™ COMPACT Violet



VANESSA™ COMPACT White

For additional technical growing information:

VANESSA™ COMPACT [CLICK HERE](#)



VANESSA™ COMPACT

Verbena x hortensis



PROPAGATION TIPS

- Stick on priority – Number 3 out of 4 categories



Flowering time

Spring / Summer
Flowering



Width

(10 - 14")
25 - 36 cm



Height

(6 - 10")
15- 20 cm

Average Time	Temperature	Hormone	Fertilization	Fungicide
4 weeks	Weeks 1 - 2 70°-72° F (21°-22° C)	Not required	Weeks 1-2 50 ppm N	Spray fungicide to control Botrytis and bacteria day of sticking
	Weeks 3 - 4 65°-70° F (18°-21° C)		Weeks 3-4 100 to 150 ppm N	Day of sticking & Week 2



Irrigation specification – Reduce mist as soon as possible



Spray adjuvant at sticking . Daminozide at 2000 ppm the day after sticking
No pinch is necessary for producing an excellent liner

Rooting	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 1	5.8 / 6.2	0.80	72°-74° F (22°-23° C)	50 ppm N in mist	Neutral	Daminozide day after sticking	Day of sticking	Feeding through Mist
Week 2	5.8 to 6.2	.80 to .90	72°-74° F (22°-23° C)	50 ppm N in mist			Second fungicide app	
Week 3	5.8 to 6.2	.90 to 1.0	Cool to 68°-70° F (20°-21° C)	Feed 100 ppm to 150 ppm				
Week 4	5.8 to 6.2	1.0 to 1.2	65°-68° F (18°-20° C)	feed 100 to 150 ppm		Daminozide as required		

For additional technical growing information:

VANESSA™ COMPACT [CLICK HERE](#)



VANESSA™ COMPACT

Verbena x hortensis



FINISHING TIPS

- Verbena respond well to Negative DIF to control height
- Verbena Vanessa™ will flower easily for early season requirements

Average Time (from liners)	Temperature	Pinch/ Daylength Modification	Fertilization	Plant Growth Regulator
5 to 6 wks	Average Day	No pinch is necessary Day Neutral	150 - 200 ppm N	Daminozide @ 2500 ppm for finishing
(12 cm) 5” pot	60°-68° F (16°-20° C)		Soil EC 1.0 - 1.5 pH 5.8 to 6.2	Paclobutrazol @ 1 to 2 ppm drench to finish
6 to 7 wks				
(15 cm) 6 ½”				
7 to 8 wks				
(20 cm) 8”	3 plants per container			
7 to 8 wks				
(25 cm) 10”	3 plants per container			

Pests	Aphids	ACETAMIPRID, FLONICAMID, IMIDACLOPRID, DICHLORVOS
	Thrips	METHIOCARB, ACRINATHRIN, ABAMECTIN, DICHLORVOS, SPINOSAD
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	Pythium	PROPAMOCARB
	Phytophthora	PROPAMOCARB



- PGR - Spray Daminozide for height control / Paclobutrazol drench for finishing
- Scout for Aphids, Leafminers, Thrips and Whiteflies

Finishing	pH	EC	Temp	Feed	Light	PGR	Fungicide	Comments
Week 4 Transplant	5.8 to 6.2	1.0 to 1.2	60°-68° F (16°-20° C)	feed 100 to 150 ppm		Daminozide @ 2500 ppm as needed	Drench fungicide after transplant	
Week 5 to 12	5.8 to 6.2	1.2 to 1.5	60°-68° F (16°-20° C)	feed 100 to 150 ppm		Paclobutrazol @ 1 to 2 ppm drench		Paclobutrazol drench when plants reach 85% of desired size

For additional technical growing information:

VANESSA™ COMPACT [CLICK HERE](#)

