OPTIMARA ®

GROWER CATALOG

2013 - 2014



Holtkamp Greenhouse, Inc.
1501 Lischey Avenue Nashville, TN 37207
1-800-443-2290
http://catalog.optimara.com ***http://www.optimara.info***

tennessee GROWN

Digital Presence

Scan me!





CONNECT:





AND GROWING!

www.facebook.com/optimara

myViolet.com



myViolet.com will provide your customers with:

- Specific variety identification
- Detailed growing instructions
- Unique diagnostic tool of your African Violets health and potential
- No more guess work of what to do next
- Symptoms based recommendations from Dr. Optimara to help grow beautiful violets.
- Progress analysis and recommendations of how to grown bigger, healthier and more beautiful African Violets.
- Insights into new and unique varieties to come out of Research and Development
- Consumer account setup and mailing list registration
- Pre-alerts of incoming shipments to favorite/closest Optimara retail location
- Downloadable screen savers of our many award winning Optimara African Violet varieties
- Join a growing group of African Violet lovers
- More to come…

The new and innovative website to help the consumer grow more beautiful African Violets. Optimara is expanding on its company's tradition of EasyGrowing / EasyCare with myViolet.com!

Everyone can enjoy the rewarding experience of growing beautiful Optimara African Violets. One just needs to know how. Let myViolet.com guide your customer.

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

6” EverFloris™



EverBeautiful #30963



EverGlory #30971



EverGrace #30920



EverPraise #30980



EverJoy #30990



EverLove #30960



EverSpecial #30921



EverRejoice #30975



EverPrecious #30981



EverYoung #30951

Holtkamp Greenhouses, Inc.
PO Box 78565 Nashville, TN 37216
http://catalog.optimara.com

EverFloris™ 6” African Violet

Introducing the Re-Evolutionary African Violet

Trial Pack Offer



Trial Pack Offer
150 Plugs

3 sets of 50 plugs assortment of available varieties

$149

Item #32007



- Each plant comes with a plant care tag and stake!
- Box and shipping charges still apply

- 50 cell tray provides larger plant.
- 15 weeks to finish in 6” pot.
- 10 weeks to finish in 4” pot.
- EverFloris violet produces more than twice the bud count as compared to standard violet varieties.
- Plants have thick curly leaves and larger plant mass than standard violet varieties.
- This variety is considered a “Space Baby” since its genetic background is descended from seeds that were in outer space for 5 1/2 years.
- Ideal plant for 6” production.



EverFloris
OPTIMARA
Continuous Blooming

The New Evolution of Space Violets

In a sensational effort that launched African Violets into a new frontier, the Optimara Space Violet program put more than 25,000 seeds into orbit for nearly six years. This unusual step, in the annals of potted and flowering plants, turned out to be one giant leap that has produced significant and exciting characteristics for African Violets. Now, for the first time, these characteristics are available in a series dedicated exclusively to Space Violets. The EverFloris series is comprised entirely of African Violets that have been developed from the Space Violet program. They're bigger and easier to grow, with larger, fuller blooms that flower continuously. Unless they're EverFloris, there's no place on Earth you will find African Violets like these.

© 2003 All designs and shapes on these pages are the copyright of Holtkamp Greenhouses, Inc. USA.
Partial or whole reproduction is prohibited. Optimara and EverFloris are trademarks for IPB Breeding, Bern Switzerland

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

OPTIMARA® *2" MINIATURE AFRICAN VIOLET*

Sold as assorted color. URC Item #20004 / RC Item #20000



Arapahoe



Azurite



Aztec



Blackfoot



Cheyenne



Comanche



Creek



Crystal



Hopi



Maya



Oneida



Ottawa



Wichita

Volume discounts available.

OPTIMARA® *4" AFRICAN VIOLET*

Sold as assorted color. URC Item # 29990 / RC Item #30000



Andrea



Anika



AnnaBelle



Chico



Clementine



Colorado



Connecticut



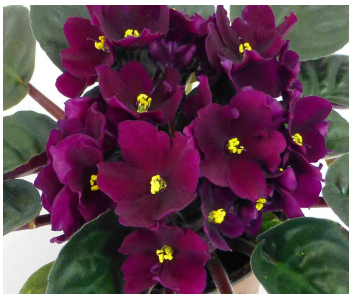
Cora



Dali



Degas



Delaware



Evelyn

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

OPTIMARA® *4" AFRICAN VIOLET*

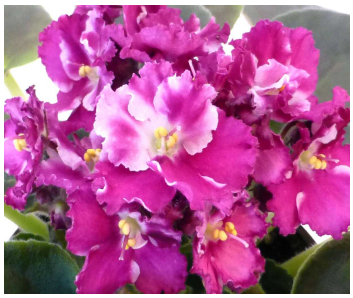
Sold as assorted color. URC Item # 29990 / RC Item #30000



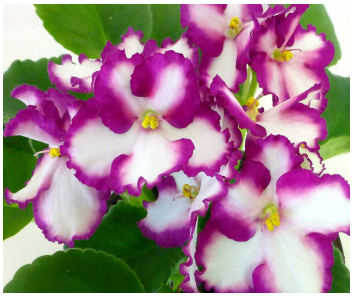
Gauguin



Georgia



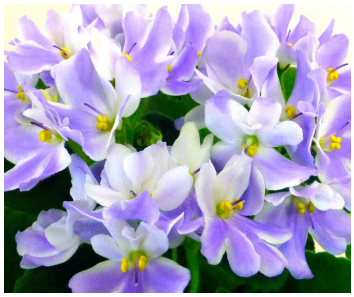
Gisela



Harlequin



Hawaii



Hiroshige



Indiana



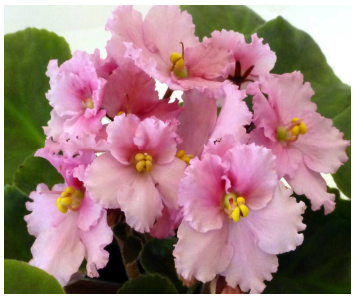
Joan



Juliana



Kentucky



Louisiana



Maine

designates large variety plant also grown as a 6 inch variety

Sold as assorted color. URC Item # 29990 / RC Item #30000



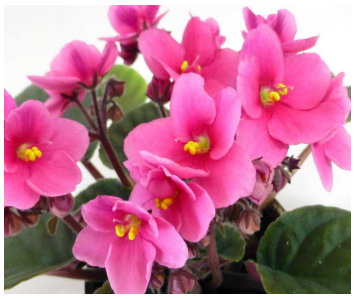
Manitoba



Maui



Michele



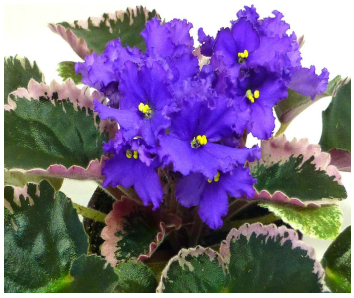
Michigan



Miho



Millennia



Modesty



Natalie



Neverfloris



New Jersey



North Carolina



Ontario

OPTIMARA® *4" AFRICAN VIOLET*

Sold as assorted color. URC Item # 29990 / RC Item #30000



Pennsylvania



Rebecca



Rita



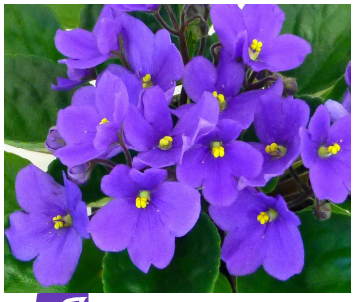
Sami



Scarlet



Seurat



Stephanie



Tennessee



Teressa



Texas



Virginia



Wisconsin

designates large variety plant also grown as a 6 inch variety

Sold as assorted color. URC Item # 29990 / RC Item #30000



Wyoming

Volume discounts available.

NOTES

OPTIMARA® *4" AFRICAN VIOLET*

myViolet.com



myCharm



myDelight



myDesire



myDream



myJoy



myLove



myPassion



myTemptation

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290



myDream



myLove

My Violet Series
URC Item # 29994



OPTIMARA
Premium Collector's
tags available
item # 70096

Volume discounts available.

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

Violet Grower Program

Optimara now offers its customers an even greater selection of its already unsurpassed Violet program. The Optimara varieties are easy-to-grow and come in many captivating colors. With over 50 varieties available in four stages, Optimara offers a program no other grower offers to their customers. Holtkamp Greenhouses is the proud recipient of the 1999 SAF Gold Medal Award honoring the originator of a widely distributed plant that has become established as having an outstanding horticultural and commercial value.



Un-rooted Baby Item # 29990:

A premium un-rooted baby (cutting) 2” to 2 1/2” in length, featuring a strong center heart, handpicked and graded for constant caliper. Six to seven weeks to potting. Only 9 to 10 weeks after potting for a premium finished product.



Starter / Liner Item # 30000:

Only 9 to 10 weeks to finish. Large selection of over 50 varieties in the 4 inch series. Tray of 72 (4 tray min). Additional sizes are the super sized 6 inch series and the 2 inch miniature varieties.





1-800-443-2290

4” Grower Program



Small Pre-Finished
Item # 40020

Only 3-4 weeks from Finished. Assorted Varieties. Vigorous growth with many visible buds. Set to final spacing.



Contact your Sales Rep for Pricing!

Large Pre-Finished
Item # 40030

Only 2 weeks from finished. One to two open blooms with many visible buds ready to open quickly.

Celosia Plumosa



KELOS® Pink

KELOS® Purple





KELOS® Scarlet

KELOS® Magenta



NEW



KELOS® Orange



Cherry
URC Item #: 30004
RC Item #: 31004



Red Improved
URC Item #: 30009
RC Item #: 40009



Soft Pink
URC Item #: 30022
RC Item #: 40007



Light Pink
URC Item #: 30002
RC Item #: 40006

Solenia Begonias



Salmon Coral
URC Item #: 30005
RC Item #: 31005



Red Orange
URC Item #: 30024
RC Item #: 40010



Red Velvet Red
URC Item #: 30006
RC Item #: 31006



Orange
URC Item #: 30003
RC Item #: 40001



Dark Pink
URC Item #: 30001
RC Item #: 40004



Light Yellow
URC Item #: 30016
RC Item #: 40012



“Gisela”

Centerfold!

Next Page!

OPTIMARA®


ANDREA


ANIKA


ANNABELLE


CHICO


CINDY


CLEMENTINE


COLORADO


CONNECTICUT


CORA


DA VINCI


DALI


DEGAS


DELAWARE


DEVOTION


EVELYNN


EVERBEAUTIFUL


EVERGLORY


EVERGRACE


EVERJOY


EVERLOVE


EVERPRAISE


EVERPRECIOUS


EVERSPECIAL


EVERYOUNG


GAUGUIN


GEORGIA


GISELA


HARLEQUIN


HAWAII


HIROSHIGE


INDIANA


JOAN


JULIANA


KENTUCKY


LITTLE APATITE


LITTLE ARAPAHOE


LITTLE AZTEC


LITTLE AZURITE


LITTLE BLACKFOOT


LITTLE BLUE TOPAZ

LITTLE CHEYENNE

LITTLE CHICASAW

LITTLE COMANCHE

LITTLE CORAL

LITTLE CREEK

LITTLE CRYSTAL

LITTLE HOPI

LITTLE INCA

LITTLE KUNZITE

LITTLE MAYA

LITTLE ONEIDA

LITTLE OTTAWA

LITTLE SAPPHIRE

LITTLE TOURMALINE


LITTLE WICHITA


LOUISIANA


MAINE


MANITOBA


MARTINIQUE


MAUI


MELINDA


MICHAELANGELO


MICHELE


MICHIGAN


MIHO


MILLENNIA


MODESTY


MONET


MONIQUE


MONTANA


myCHARM


myDELIGHT


myDESIRE


myDREAM


myJOY


myLOVE


myPASSION


myTEMPTATION


NATALIE


NEVERFLORIS


NEW JERSEY


NORTH CAROLINA


ONTARIO


PENNSYLVANIA


PINK MOONSTONE


REBECCA


RITA


ROMANCE


SAINPAULIA IONANTHA


SAINPAULIA TONGWENSIS


SAMI


SCARLET


SEURAT


STEPHANIE

SUSI

TENNESSEE

TERESSA

TEXAS

TRINIDAD

VIRGINIA

WISCONSIN

WYOMING

YELLOWSTONE

1-800-443-2290

OPTIMARA® HH KG® GROUP

Feel free to contact us...

1-800-443-2290

sales@optimara.com

Fax: 615-228-5831

Elatior Begonias



Baladin
Barkos Type



Balamon
Barkos Type



Barkos
Barkos Type



Borias
Barkos Type



Berseba
Barkos Type



Berseba Light Pink
Barkos Type



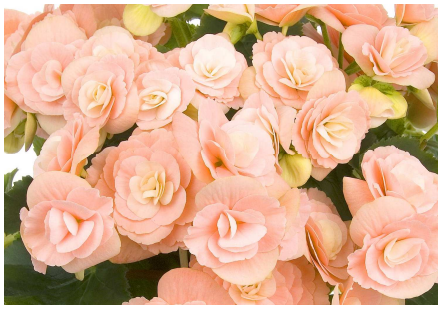
Berseba Red
Barkos Type



Binos
Barkos Type



Binos Pink
Barkos Type



Binos Soft Pink
Barkos Type



Bright Red
Cottage Type

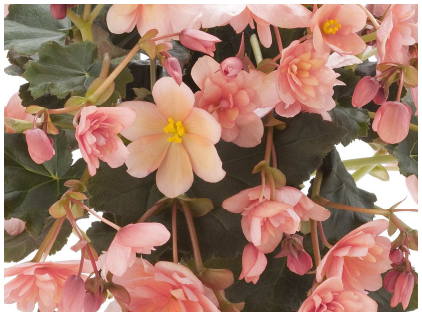


Double Pink
Cottage Type

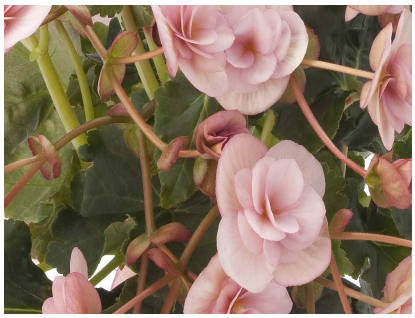
Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

Elatior Begonias



Salmon
Cottage Type



Vintage Pink
Cottage Type



Batik
Ilona Type



Blitz
Ilona Type



Red Fox® Bon Bon
Ilona Type



Red Fox® Bonbon White
Ilona Type



Britt Dark
Ilona Type



Camilla
Ilona Type



Red Fox® Carneval
Ilona Type



Red Fox® Cindy Fringed
Ilona Type

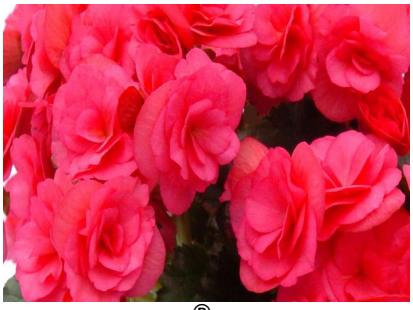


Clara
Ilona Type



Red Fox® Clara Fringed
Ilona Type

Elatior Begonias



Red Fox® Dragone
Ilona Type



Red Fox® Dragone Champagne
Ilona Type



Red Fox® Eva
Ilona Type



Red Fox® Janny Fringed
Ilona Type



Red Fox® Julie
Ilona Type



Red Fox® Kristy Fringed
Ilona Type



Red Fox® Nadine
Ilona Type



Nelly
Ilona Type



Netja Dark
Ilona Type



Red Fox® Netja Fringed
Ilona Type



Red Fox® Peggy
Ilona Type

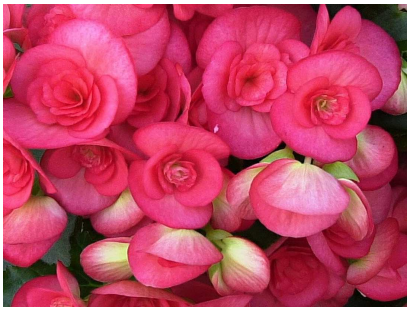


Red Baron Dark
Ilona Type

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

Elatior Begonias



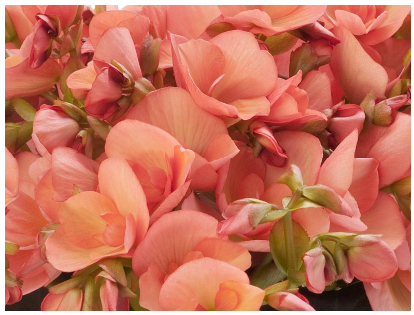
Red Fox® Sandrine
Ilona Type



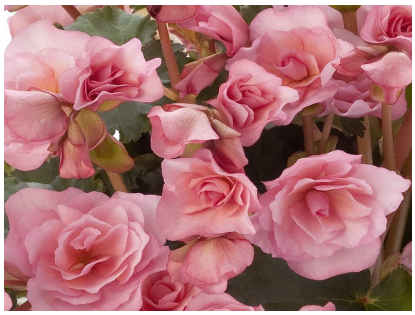
Sweet Dreams
Ilona Type



Red Fox® Veronica
Ilona Type



Lax



Glory Pink



Catrin



Ceveca



Glory White



Bromo
Volcano Type



Etna
Volcano Type



Krakatau
Volcano Type



Virunga
Volcano Type

Red Fox trademark is registered to Dümmen GmbH & Co. KG, Federal Representative Germany

Elatior Variety Listing

Type		Variety	RC Item Number	URC Item Number	Color	Price Group	Royalty
Barkos		Berseba Light Pink	36064	10064	P L	2	$0.05
Barkos		Berseba Red	36055	10055	R	2	$0.05
Barkos		Baladin	36072	10072	R D	2	$0.05
Barkos		Balamon	36073	10073	R O	2	$0.05
Barkos		Barkos	36032	10032	R D	2	$0.05
Barkos		Berseba	36074	10074	P D	2	$0.05
Barkos		Binos	36075	10022	P L	2	$0.05
Barkos		Borias	36048	10048	P BC	2	$0.075
Cottage		Bright Red	39685	13685	R	2	$0.075
Cottage		Double Pink	39690	13690	P	2	$0.075
Cottage		Salmon	39695	13695	S	2	$0.075
Cottage		Vintage Pink	39698	13698	L P	2	$0.075
Ilona		Britt Dark	36003	10003	O BC	1	
Ilona		Batik	36002	10002	O D	1	
Ilona		Blitz	36095	10095	Y M	1	
Ilona		Camilla	36004	10004	P W	1	
Ilona		Clara	36006	10006	W R	1	
Ilona		Nelly	36014	10014	P M	1	
Ilona		Netja Dark	36015	10015	P BC	1	
Special		Catrin	36061	10061	O	2	$0.075
Special		Ceveca	36036	10036	P	1	
Ilona	Red Fox®	Dragone	36066	10066	P	1	$0.05
Ilona	Red Fox®	Dragone Champagne	36084	10084	P	1	$0.05
Special		Glory Pink	36042	10042	P	1	$0.05
Special		Glory White	36062	10062	W	1	$0.05
Special		Lax	36046	10046	LO	1	$0.05
Ilona	Red Fox®	Carneval	36005	10005	O BC	1	$0.05
Ilona	Red Fox®	Cindy Fringed	36017	10017	W R	1	$0.05
Ilona	Red Fox®	Clara Fringed	36018	10018	W	1	$0.05
Ilona	Red Fox®	Eva	36117	11017	Y	1	$0.05
Ilona	Red Fox®	Janny Fringed	36020	10020	O A	1	$0.05
Ilona	Red Fox®	Julie	36007	10007	Y BC	1	$0.05
Ilona	Red Fox®	Kristy Fringed	36021	10021	P L	1	$0.05
Ilona	Red Fox®	Nadine	36013	10013	Y D	1	$0.05
Ilona	Red Fox®	Netja Fringed	36023	10023	P BC	1	$0.05
Ilona	Red Fox®	Peggy	36069	10069	P BC	1	$0.05
Ilona		Red Baron Dark	36125	10125	R	1	$0.05
Ilona	Red Fox®	Sandrine	36090	10090	P D	1	$0.05
Ilona		Sweet Dreams	36083	10083	P	2	$0.05
Ilona	Red Fox®	Veronica	36085	10085	R D	1	$0.05
Volcano	Red Fox®	Volcano Bromo	36034	10034	P	1	$0.05
Volcano	Red Fox®	Volcano Etna	36038	10038	O	1	$0.05
Volcano	Red Fox®	Volcano Krakatau	36035	11035	R	1	$0.05
Volcano	Red Fox®	Volcano Virunga	36033	11033	Y	1	$0.05

Colors Codes	
A	Apricot
BC	Bi-Color of same
D	Dark
L	Light
M	Medium
O	Orange
P	Pink
R	Red
S	Salmon
SP	Soft Pink
W	White
Y	Yellow

OPTIMARA Elatior Begonia tags available Item # 70098



Red Fox trademark is a registered trademark #3926984 of Dümmen GmbH & Co. KG, Fed. Rep. Germany

Apadana Begonias

Champagner Pastell



Lemon Yellow



NEW

Yellow



Orange



Waterfall Begonia

Angelfall Begonias:

Soft Pink
URC Item # 30071
RC Item #31071



White Blush
URC Item # 30072
RC Item #31072



The Begonia Encanto Orange and the Begonia Victoria Falls Red have been granted the Award of Garden Merit by The Royal Horticultural Society (RHS).

Both products were recognized because of their vivid colors, being highly floriferous and their nice habit.

The RHS Award of Garden Merit (AGM) came into existence in 1922 to helps gardeners make informed choices about plants.

Volume discounts available.

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

Waterfall Begonia



Encanto Orange
URC Item #30064
RC Item #31064



Rainbow Falls
URC Item #30060
RC Item #31060



Victoria Falls
URC Item #30050
RC Item #31050



Encanto Red
URC Item #30065
RC Item #31065

myFern

.com

Of the available fern varieties, we carry **Albo Lineata, Birds Nest, Black Rabbit Foot, Blue Star, Button Fern, Emerald Queen, Fluffy Ruffle, Fritz Luthii, Heart, Leatherleaf, Lemon Button, Macho, Mahogany, Mayii, Pacific Maidenhair, Silver Lace, Toothed Break, Tricolor, True Boston, White Rabbit Foot, Autumn, Christmas, East Indian Holly, Five Finger Maidenhair, Fortune Holly, Fragrant Maidenhair, Japanese Holly, Japanese Painted, Korean Rock, Lady Fern, Male Fern, Rosy Maidenhair, Scarlet Lady, Shaggy Shield, Southern Riverwood, Southern Shield, and Tassel.**

Of course we can contract grow a multitude of others with an order of 30 trays.

We grow these varieties in a 72 cell tray, conforming to the dislodging equipment of most growers. If you would like to contract grow a specific variety, please contact your sales rep for pricing.



Autumn

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 5-8



Christmas

LIGHT: Part Shade to Shade
HEIGHT: 6-10” (cm)
SPACE: 12-24″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 3-9



East Indian Holly

LIGHT: Part Shade to Bright Light
HEIGHT: 12-24” (cm)
SPACE: 24″ (cm) apart
WATER: Keep moist.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 7-10



Five Fingered Maidenhair

LIGHT: Part Shade to Shade
HEIGHT: 12-30” (cm)
SPACE: 6-10″ (cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 2-8



Fortune Holly

LIGHT: Lite shade to deep shade
HEIGHT: 18-30” (cm)
SPACE: 30″ (cm) apart
WATER: Keep moist.
FERTILIZER: Annually with organic compost.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 5-10



Japanese Holly

LIGHT: Part Shade to Shade
HEIGHT: 24″ (60cm)
SPACE: 24-36″ (60-90CM) APART
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 6-10

OPTIMARA® **HARDY** Ferns



Red Japanese Painted

LIGHT: Part Shade to Shade
HEIGHT: 12-18″ (30-45cm)
SPACE: 15″ (40cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 3-10



Korean Rock

LIGHT: Part Shade to Shade
HEIGHT: 8-20″ (20-50cm)
SPACE: 12″ (30cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 6-8



Lady Fern

LIGHT: Sun Tolerant
HEIGHT: 24-36” (cm)
SPACE:
WATER: Keep moist.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 4-8



Male Fern

LIGHT: Sun Tolerant
HEIGHT: 24-48” (cm)
SPACE: 6-10″ (cm) apart
WATER: Keep moist.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 4-8



Rosy Maidenhair

LIGHT: Part Shade
HEIGHT: 12″ (30cm)
SPACE: 12″ (30cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well- drained soil.
TEMPERATURE: Zone 8-11



Scarlet Lady

LIGHT: Medium to Bright Light
HEIGHT: 30-36” (cm)
SPACE: 4-8″ (cm) apart
WATER: Keep moist.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 3-8

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

OPTIMARA® **HARDY** Ferns



Shaggy Shield

LIGHT: Part Shade
HEIGHT: 36″ (90cm)
SPACE: 36″ (90cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 5-8



Southern River Wood

LIGHT: Sun to Part Shade
HEIGHT: 24-30″ (60-75cm)
SPACE: 12-18″ (30-45cm) apart
WATER: Keep well-watered.
FERTILIZER: Slow release feed in spring.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 8-10



Southern Shield

LIGHT: Part Shade to Shade
HEIGHT: 1.5-4′ (.45-1.2m)
SPACE: 2-3′ (.6-1m) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 6-9



Tassel

LIGHT: Part Shade to Shade
HEIGHT: 24-32″ (60-80cm)
SPACE: 24-36″ (60-90cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 5-8

Variety	Botanical Name	RC Item #
Autumn	Dryopteris Erythrosora	34007
Christmas	Polystichum Acrostichoides	34008
East Indian Holly	Arachniodes Simplicior	34038
Five Finger Maidenhair	Adiantum Pedatum	34032
Fortune Holly	Cyrtomium Fortunei	34023
Fragrant Maidenhair	Adiantum Raddianum Fragrans	34019
Japanese Holly	Cyrtomium Falcatum	34003
Japanese Painted	Athyrium Niponicum	34006
Korean Rock	Polystchum Tsus-Simense	34009
Male Fern	Dryopteris Filix-Mas	34031
Rosy Maidenhair	Adiantum Hispidulum	34018
Scarlet Lady	Athyrium Angistiforma Rubellum	34053
Shaggy Shield	Dryopteris Cycadina	34024
Southern Riverwood	Thelypteris Kunthii	34022
Southern Shield	Dryopteris ludoviciana	34016
Tassel	Polystichum Polybblepharum	34017

OPTIMARA® **TROPICAL** Ferns



Albo Lineata

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Birds Nest

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.



Black Rabbit Foot

LIGHT: Sun Tolerant
HEIGHT: 16-18”
SPACE: 18-20″ apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 10-11



Blue Star

LIGHT: Part Shade to Shade
HEIGHT:
SPACE:
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Button Fern

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 9-11



Emerald Queen

LIGHT: Part Shade
HEIGHT: 24-36″ (60-90cm)
SPACE: 36″ (90cm) apart
WATER: Keep soil evenly moist.
FERTILIZER: Apply a balanced liquid fertilizer monthly.
SOIL: Fertile, humus-rich, well- drained soil.
TEMPERATURE: Zone 11

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290



Fluffy Ruffle

LIGHT: Part Shade to Shade
HEIGHT: 4-6″
SPACE:
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Fragrant Maidenhair

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Apply a balanced liquid fertilizer monthly.
SOIL: Fertile, humus-rich, well- drained soil.
TEMPERATURE: Protect from frost.



Fritz Luthii

LIGHT: Part Shade to Shade
HEIGHT: 18-24″
SPACE: 18″ apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 11



Heart

LIGHT: Light Shade to Shade
HEIGHT: 6-12″
SPACE: 9-12″ apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Leatherleaf

LIGHT: Part Shade to Shade
HEIGHT: 12-18″
SPACE: 4-8″ apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 8-10



Lemon Button

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 24-36″ (60-90cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich, well-drained soil.
TEMPERATURE: Zone 11

OPTIMARA® **TROPICAL** Ferns



Macho

LIGHT: Part Shade
HEIGHT: 18-48″ (45-120cm)
SPACE: 24-36″ (60-90cm) apart
WATER: Keep soil evenly moist.
FERTILIZER: Apply a balanced liquid fertilizer monthly.
SOIL: Fertile, humus-rich, well- drained soil.
TEMPERATURE: Protect from frost.



Mahogany

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Mayii

LIGHT: Part Shade to Shade
HEIGHT: 40cm
SPACE:
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Pacific Maidenhair

LIGHT: Medium Light
HEIGHT: 18-24″
SPACE: 6-8″ apart
WATER: Keep moist.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Silver Lace

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



Toothed Brake

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 24-36″ apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11

Holtkamp Greenhouses, Inc. PO Box 78565 Nashville, TN 37216 *http://catalog.optimara.com*

1-800-443-2290

OPTIMARA® **TROPICAL** Ferns



Tricolor

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 11



True Boston

LIGHT: Part Shade
HEIGHT: 12-24″ (30-60cm)
SPACE: 12-18″ (30-45cm) apart
WATER: Keep soil evenly moist.
FERTILIZER: Apply a balanced liquid fertilizer monthly.
SOIL: Fertile, humus-rich, well- drained soil.
TEMPERATURE: Protect from frost.



White Rabbit Foot

LIGHT: Part Shade to Shade
HEIGHT: 18-24″ (45-60cm)
SPACE: 18″ (45cm) apart
WATER: Keep well-watered.
FERTILIZER: Annually with organic matter.
SOIL: Fertile, humus-rich soil.
TEMPERATURE: Zone 10-11

Variety	Botanical Name	RC Item #
Albo Lineata	Pteris Cretica	34005
Birds Nest	Asplenium Nidus	34029
Black Rabbit Foot	Davallia Trichomanoides	34058
Blue Star	Phlebodium Aureum Mandaianum	34049
Birds Nest	Asplenium Nidus	34029
Button Fern	Pellaea Rotundifolia	34046
Emerald Queen	Nephrolepis Obliterata	34004
Fluffy Ruffle	Nephrolepis Exaltata ‘Fluffy Ruffle’	34050
Fritz Luthii	Adiantum Cuneatum	34040
Heart	Hemionitis Arifolia	34051
Leatherleaf	Rumohra Adiantiformis	34039
Lemon Button	Nephrolepis cordifolua	34035
Macho	Nephrolepis Falcata	34012
Mahogany	Didymochlaena Truncatula	34010
Mayii	Pteris Cretica	34044
Pacific Maidenhair	Adiantum Raddianum	34027
Silver Lace	Pteris Ensiformis Evergemiensis	34034
Toothed Break	Pteris Dentata ‘Straminea’	34055
Tricolor	Pteris Dentata ‘Tricolor’	34041
True Boston	Nephrolepis Bostoniensis Exaltata	34002
White Rabbits Foot	Humata Tyermanii	34028

Broker List

Aris Horticulture
P.O. Box 230
115 Third Street SE
Barberton, OH 44203
800-321-9573

Ball Seed
662 Town Road
West Chicago, IL 60185
800-879-2255
Fax: 630-231-3605

Eason Horticulture Resources
939 Hellen Ruth Drive
Fort Wright, KY 41017
800-214-2221
Fax: 859-578-2266

EC Geiger Co.
189 Main Street
Route 63, P.O. Box 285
Harleysville, PA 19438
800-443-4437
Fax: 800-432-9434

E.C.G.C. Distributors, Ltd.
P.O. Box 873
Charles Town, WV 25414
804-378-4277
Fax: 804-378-4278

Express Seed Co.
51051 U.S. Route 20
Oberlin, OH 44074
800-221-3838
Fax: 440-774-2728

Fred C. Gloeckner & Co., Inc.
600 Mamaroneck Avenue
Harrison, NY 10528
914-698-2300
Fax: 914-698-0848

Griffin Greenhouse and Nursery Supplies
200 Mountain View Road
PO Box 709
Morgantown, PA 19543-0709
800-732-3509
Fax: 610-913-3091

G S Grimes Seeds
11335 Concord-Hambden Rd.
Concord, OH 44077
800-241-7333
Fax: 440-352-1800

McHutchison Hort. Distributors
64 Mountain View Blvd.
Wayne, NJ 07470
800-943-2230
Fax: 866-234-8884

Henry F. Michell Co.
Box 60160
225 West Church Road
King of Prussia, PA 19406
800-422-4678
Fax: 610-265-4208

Messick Company
39 North Central Ave.
Campbell, CA 95008
408-871-9816
Fax: 408-871-9839

Bill Moore & Co., Inc.
P.O. Box 1587
Brandon, FL 33509
800-237-7794
Fax: 813-684-5859



"New Jersey"

For Your Nearest Distributor call:

1-800-443-2290





tennessee GROWN

More than just African Violets!

Optimara is a registered trademark #1075172

Holtkamp Greenhouses, Inc.

1-800-443-2290 http://catalog.optimara.com