

2021



DAHLIA



Dear Commercial Grower,

Since 1934 the Fred C. Gloeckner Company has been committed to providing commercial growers with quality horticultural products from worldwide sources, one of them being DAHLIAS!

Welcome to our 2021 Dahlia Catalog featuring many new varieties! Throughout our catalog you will find an a large assortment of Ball, Pompon, Cactus, along with (Small, Medium, Large & Dinner Plate) Decorative types of Dahlias. Many exclusive varieties are available throughout the catalog.

In addition to Dahlias, Gloeckner has the following divisions to meet all of your growing needs; Young Plants & Plugs, Grower Supplies, Seed, and Bulb & Perennials.


Please contact your Gloeckner or Ednie Sales Field Representative directly or call our offices with your questions and orders.

With Kind Regards,

Your Gloeckner-Ednie Team

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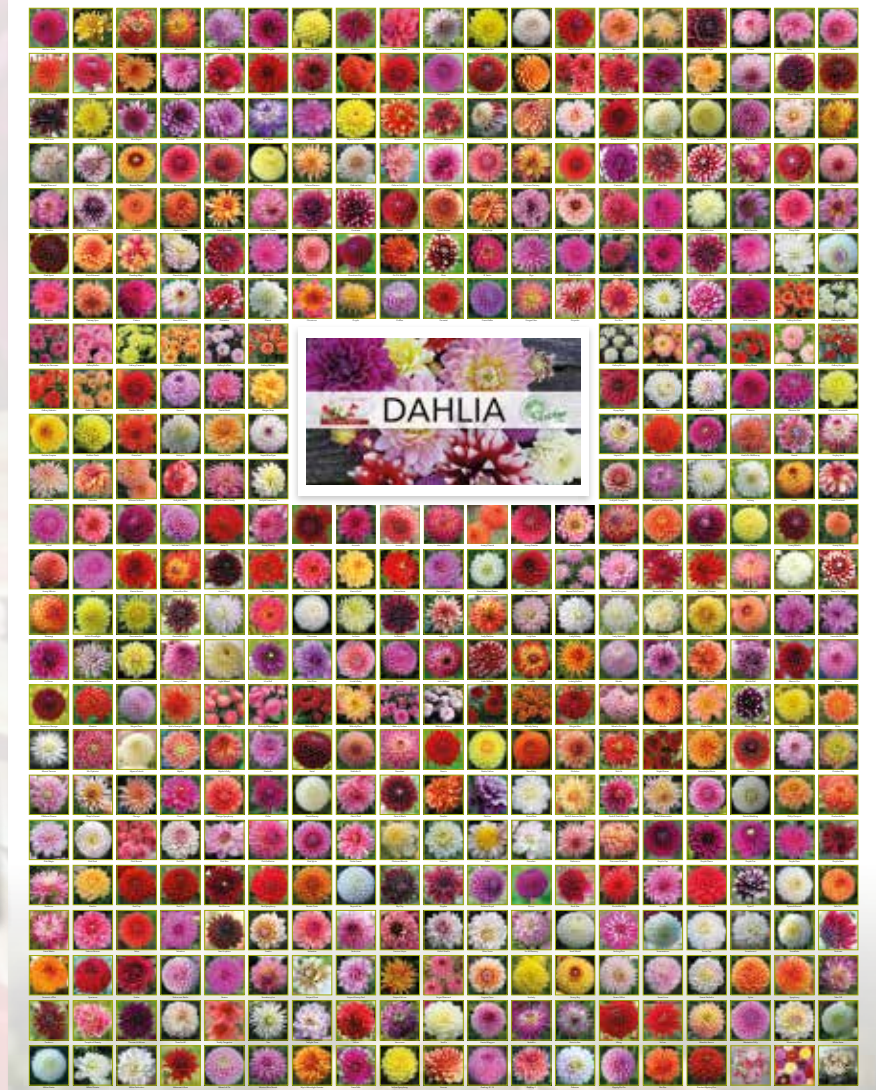
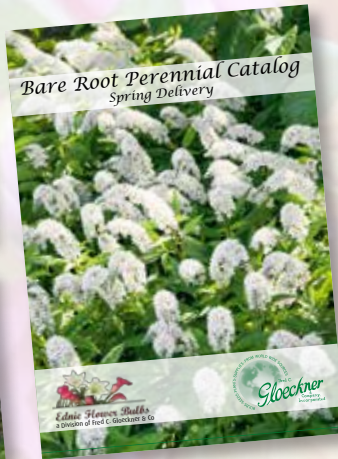
 = cut flower



Gloeckner & Ednie Overview of Catalogs

The Fred C. Gloeckner company provides a full range of products and services to the commercial horticulture industry for the entire USA, Canada, Central, and South America.

Below please review some of our latest catalogs and programs. For program information, culture, catalogs, and pricing, please contact your local field representative (see pages 4-5). For Young Plants, Plugs, Grower Supplies, and Seeds you may contact our NY office at 1-800-345-3787; for Bulbs & Perennials, you may contact our Clackamas OR office at 1-888-655-0907 or our Fredon NJ office at 1-800-243-3643.



New York Office
550 Mamaroneck Ave
Harrison, NY 10528
1-800-345-3787
Phone: (914) 698-2300
Fax: (914) 698-0848
Email: info@fredgloeckner.com

Clackamas Bulb Facility
12400 SE Highway 212
Clackamas, OR 97015
1-888-655-0907
Phone: (503) 655-0908
Fax: (503) 655-0979
Email: clackamasbulbs@fredgloeckner.com

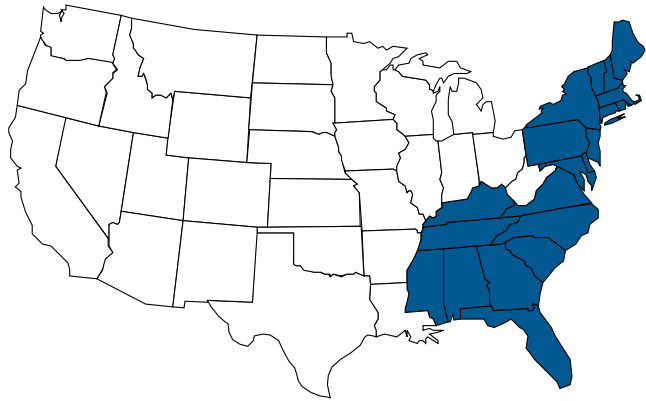
Fredon Bulb Facility
37 Fredon Marksboro Road
Fredon, NJ 07840
1-800-24-EDNIE
Phone: (973) 940-2700
Fax: (973) 940-2839
Email: support@ednieflowerbulb.com

www.fredgloeckner.com

Free Dahlia Color Guide Poster

As seen above - Measures (46" x 69")

Request your free Dahlia Color Guide Poster with your order.
Call Ednie Flower Bulb Facility @ 1-800-24-EDNIE
or Gloeckner-Clackamas Facility @ 1-888-655-0907



National Sales Manager

Ricardo Campos
 Encinitas, CA 92024
 Cell: 760-707-7065
 rcampos@fredgloeckner.com



Walter Bissex
 South Huntington, NY 11746
 Cell: 516-982-5925
 Fax: 631-385-7567
 wbissex@fredgloeckner.com
 Territory: CT, NY (Westchester County, Metropolitan area/NYC, Long Island)



Sheilah Graham
 Wadsworth, OH 44281
 Cell: 330-605-3633
 Sgraham@fredgloeckner.com
 Territory: Western NY, Western PA



Jeff Nameth
 Arden, NC 28704
 Cell: 828-215-6322
 jeffnameth@bellsouth.net
 Territory: VA, NC, FL, SC



E. Dick den Breejen
 Fredon, NJ 07860
 Cell: 973-903-7253
 MisterD@ednieflowerbulb.com
 Territory: Northeast, Midwest, Southwest, West Coast, Canada



Robert Muller
 Forest Hill, MD 21050
 Cell: 781-975-1869
 rmuller@fredgloeckner.com
 Territory: Eastern PA, Southern NJ, DE, MD



Tom Seibert
 Marietta, GA 30066
 Cell: 404-416-6713
 tseibert@fredgloeckner.com
 Territory: GA, AL, KY, TN, MS, Northern Panhandle FL



Jeffrey den Breejen
 Fredon, NJ 07860
 973-940-2700
 Cell: 973-534-1910
 jeff@ednieflowerbulb.com
 Territory: Southeast, Mid Atlantic



Jan Van Oosten
 Phillipsburg, NJ 08865
 Cell: 973-919-4051
 jan@ednieflowerbulb.com
 Territory: New England, Mid Atlantic



David J. Toohey
 Warwick, RI 02889
 Cell: 401-226-8876
 Home/Fax: 401-397-2531
 dtoohey@fredgloeckner.com
 Territory: NH, VT, MA, RI, ME



Matthew Dynakowski
 Oaklyn, NJ 08107
 Cell: 856-220-3833
 mdynakowski@fredgloeckner.com
 Territory: Northern & Central NJ, Southern NY, Western MA



Cut Flower Specialist

Dave Dowling
 Fredon, NJ 07860
 973-940-2700
 Cell: 973-536-4560
 dave@ednieflowerbulb.com
 Territory: USA, Canada

MIDWEST



Richard J. Boesen
Des Moines, IA 50322
Cell: 515-306-9975
Fax: 515-277-1326
rboesen@fredgloekner.com
Territory: IA, KS, MO, IL



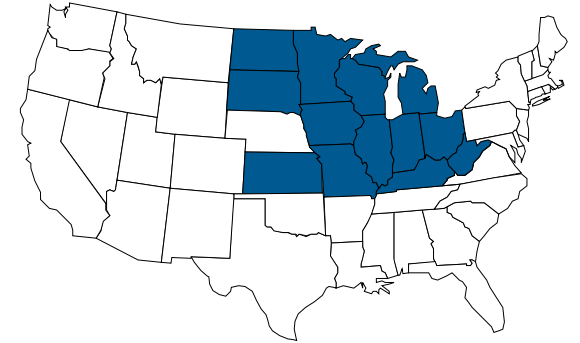
Shayne Johnson
Lakeville, MN 55044
Cell: 952-836-6180
Fax: 952-435-9048
sjohnson@fredgloekner.com
Territory: MN, IA, ND, SD, Western WI



E. Dick den Breejen
Fredon, NJ 07860
Cell: 973-903-7253
MisterD@ednieflowerbulb.com
Territory: Northeast, Midwest, Southwest,
West Coast, Canada



Matthew Miller
Neillsville, WI 54456
715-819-1018
Cell: 608-630-0345
Fax: 800-731-7886
mmiller@fredgloekner.com
Territory: WI, Northern IL , Michigan UP



Sheilah Graham
Wadsworth, OH 44281
Cell: 330-605-3633
sgraham@fredgloekner.com
Territory: OH, WV, KY



Michael J. Porto
Tipp City, OH 45371
Cell: 937-479-2089
Fax: 937-506-8407
mporto@fredgloekner.com
Territory: MI, IN, Northwest OH

SOUTHWEST



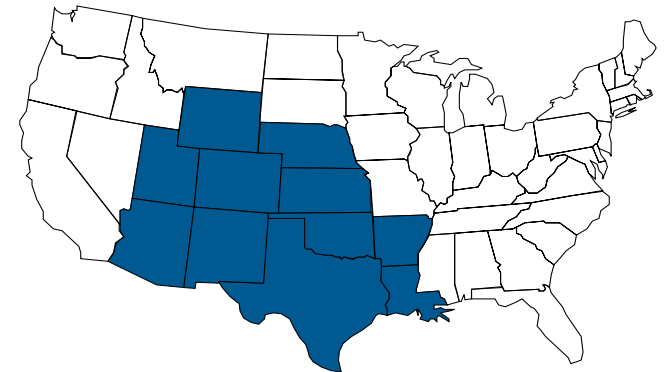
Dan Busch
Broomfield, CO 80020
Cell: 303-725-1779
Fax: 303-583-8353
dbusch@fredgloekner.com
Territory: CO, WY, AZ, KS, NE, UT, Northern NM



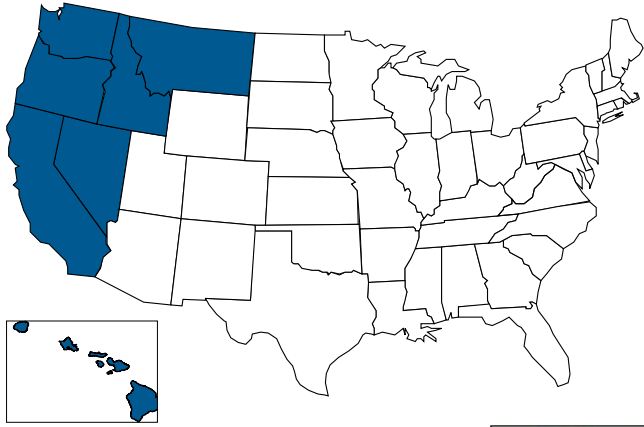
Alexis Currie
Kennard, TX 75847
Cell: 979-257-7004
acurrie@fredgloekner.com
Territory: TX, OK, AR, LA



E. Dick den Breejen
Fredon, NJ 07860
Cell: 973-903-7253
MisterD@ednieflowerbulb.com
Territory: Northeast, Midwest, Southwest,
West Coast, Canada



WEST COAST



Michael Cardosa
Carlsbad, CA 92011
760-931-8510
Cell: 760-688-6881
Fax: 760-438-1601
mcardosa@fredgloekner.com
Territory: CA, HI



E. Dick den Breejen
Fredon, NJ 07860
Cell: 973-903-7253
MisterD@ednieflowerbulb.com
Territory: Northeast, Midwest, Southwest,
West Coast, Canada



Tom Jobb
Bothell, WA 98012
Cell: 206-612-3350
Fax: 425-967-5829
tjobb@fredgloekner.com
Territory: WA, OR, ID, MT, Alberta BC



Tim Quirk
Grover Beach, CA 93433
Cell: 805-709-6161
Fax: 805-481-0773
tquirk@fredgloekner.com
Territory: CA, HI

INTERNATIONAL – Canada

(Hablamos Español)



Monica Alvarez
Harrison, NY 10528
914-607-5433
malvarez@fredgloekner.com



Tom Jobb
Bothell, WA 98012
Cell: 206-612-3350
Fax: 425-967-5829
tjobb@fredgloekner.com
Territory: WA, OR, ID, MT, Alberta BC



E. Dick den Breejen
Fredon, NJ 07860
Cell: 973-903-7253
MisterD@ednieflowerbulb.com
Territory: Northeast, Midwest, Southwest,
West Coast, Canada



Manager LED Solutions
Ricardo Campos
Encinitas, CA 92024
Cell: 760-707-7065
rcampos@fredgloekner.com

INTERNATIONAL – Mexico, Central & South America

(Hablamos Español)

Gloeckner Colombia



Lix Villarraga
Cell: +314-4507682
lvillarraga@fredgloeckner.com



Gustavo Ochoa
Cell: +3115222671
gochoa@fredgloeckner.com



Bersal Group – Uruguay
Martin Salaberry
+598-26235078
msalaberry@bersalgroup.com



Gloeckner Chile
Gonzalo Roga
+56-973771494
Gonzalo.Roga.solis@hotmail.com



Gloeckner Ecuador
Carlos Martinez
Cell : +999301980
czenitram@hotmail.com



Germán Tencio Masís
– Costa Rica
+506 888 43469
German.tencio10@gmail.com



Incaforest E.I.R.L.
– Peru
Maria Quevedo Guillen
+51-12712004
incaparq@hotmail.com

FloraPlant SV de CV – Mexico



Damián Contreras
777 3620140 Ext. 125
Cell: 777 106 0287
damian@floraplant.com



Lucila Gregorio Castrejon
777 3620140 Ext. 139
lucila@floraplant.com

Floreska Villa Guerrero (Flor de Corte) – Mexico



Ana E. Puebla Sanchez
7141462166
Cell: 7223723506
apuebla.floreska@outlook.com



Alberto Puebla Sanchez
7141462166
albertopuebla33@hotmail.com



Monica Alvarez
Ext. 133
malvarez@fredgloeckner.com



Amparo Galarza
Ext. 131
agalarza@fredgloeckner.com





Giant flowered
Decorative



Belle of Barmera
250 mm / 10"



Big Brother
270 mm / 10.5"



Café au Lait Rosé
250 mm / 10"



Café au Lait
270 mm / 10.5"



Bohemian Spartacus
250 mm / 10"



Café au Lait Royal
250 mm / 10"





Clyde's Choice
250 mm / 10"



Creve Coeur
250 mm / 10"



Emory Paul
270 mm / 10.5"



Fairway Spur
250 mm / 10"



Fleurel
250 mm / 10"



Gitt's Perfection
250 mm / 10"



Hamari Gold
250 mm / 10"



Hapet Blue Eyes
250 mm / 10"



Jocondo
250 mm / 10"



Kelvin Floodlight
250 mm / 10"



Lavender Perfection
250 mm / 10"





Otto's Thrill
250 mm / 10"



Lavender Ruffles
250 mm / 10"



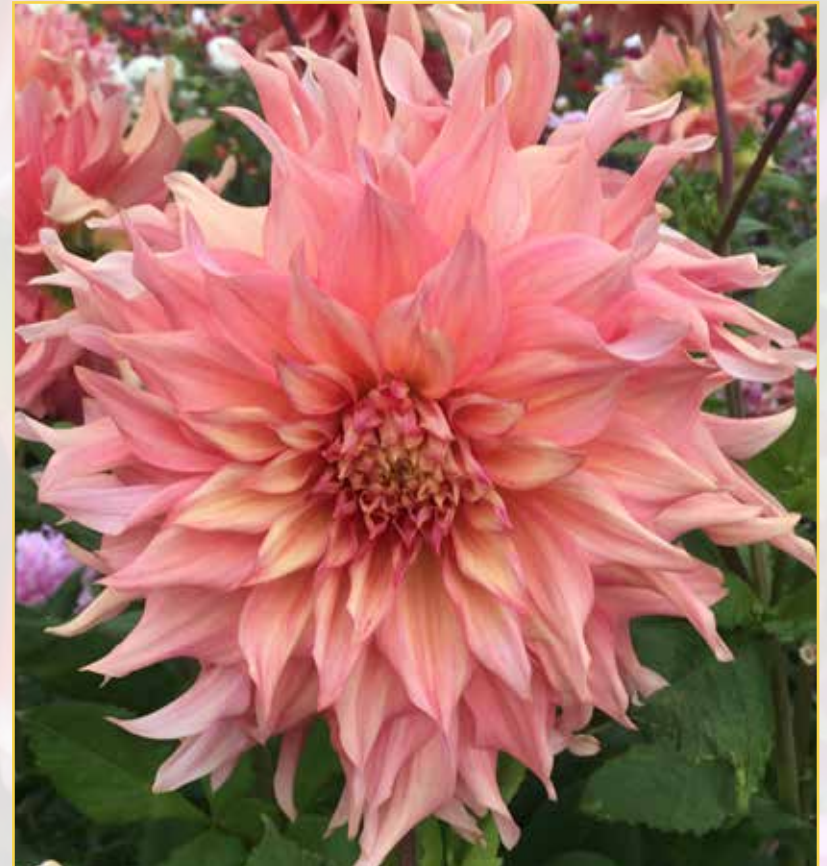
Mango Madness
250 mm / 10"



Mingus Alex
250 mm / 10"



Penhill Dark Monarch
250 mm / 10"



Penhill Watermelon
250 mm / 10"



Shiloh Noelle
250 mm / 10"



Wanda's Aurora
250 mm / 10" • 763300001



White Perfection
250 mm / 10"



Dinner Plate
Decorative



Almand's Joy
200 mm / 8"



Babylon Purple
200 mm / 8"



Babylon Red
240 mm / 9.5"



Bluetiful
200 mm / 8" • 854260001



Bristol Stripe
220 mm / 8.5"



Babylon Bronze
220 mm / 8.5"



NEW



Bull's Pride
225 mm / 8.8"



Dominique
200 mm / 8"



Elma Elisabeth
220 mm / 8.5"



NEW



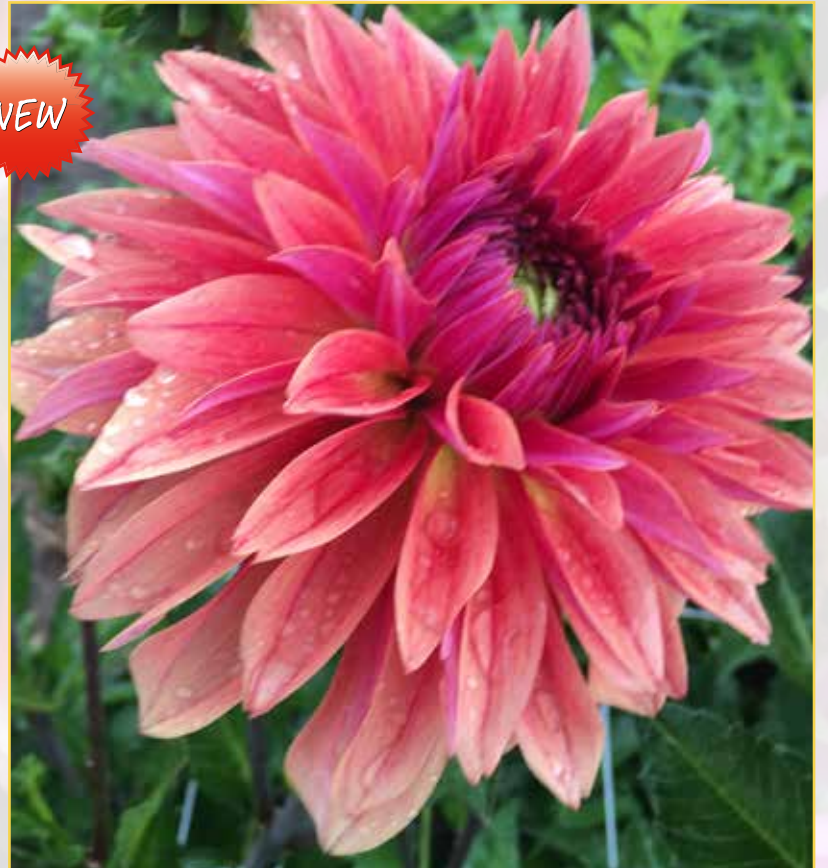
Blithe Spirit
200 mm / 8"



Islander
220 mm / 8.5"



NEW



La Luna
250 mm / 10"

NEW



Arthur Hambley
220 mm / 8.5"



Lilac Time
200 mm / 8"



Libeccio
200 mm / 8"



NEW



Mikayla Miranda
200 mm / 8"



NEW

Motto
200 mm / 8"



Snowbound
200 mm / 8"



Red Labyrinth
200 mm / 8"



Spartacus
220 mm / 8.5"



Strawberry Ice
220 mm / 8.5"



Tartan
200 mm / 8"



Who Me?
200 mm / 8"



Vassio Meggos
200 mm / 8"



Medium flowered
Decorative



American Dawn
150 mm / 6"



Alva's Regalia
150 mm / 6"



Anna Cornelia
150 mm / 6"



Contraste
150 mm / 6"



Dazzling Magic
150 mm / 6"



Break Out
160 mm / 6.5"





Dr. P.H. Riedell
150 mm / 6"



Engelhardt's Matador
150 mm / 6"



Hapet Duo
170 mm / 6.5"



Hollyhill Orange Ice
150 mm / 6"



Evanah
150 mm / 6"



Hollyhill Orange Ice
150 mm / 6"



Lady Darlène
190 mm / 7.5"



Lady Liberty
180 mm / 7"



Lady Nathalie
150 mm / 6"





Le Baron
150 mm / 6"



Nicholas
150 mm / 6"



Patches
150 mm / 6"



Renato Tozio
170 mm / 6.5"



Ryan C.
150 mm / 6"



Tangerine Dream
170 mm / 6.5"



Seduction
150 mm / 6"



Striped Duet
150 mm / 6"



Thomas A. Edison
170 mm / 6.5"



Small flowered
Decorative



American Sun
 110 mm / 4.5"



Arabian Night
 110 mm / 4.5"



Arbatax
 100 mm / 4"



NEW



Dark Destiny
 140 mm / 5.5"



Bacardi
 130 mm / 5"



Baccara
 140 mm / 5.5"





Blue Bell
110 mm / 4.5"



Bonesta
100 mm / 4"



Crazy Legs
100 mm / 4"



Crème de Cassis
100 mm / 4"



Caramel Antique
110 mm / 4.5"



Crème de Cognac
100 mm / 4"



Clearview Debbie
140 mm / 4.5"



Daisy Duke
80 mm / 3"



David Howard
100 mm / 4"





Diana's Memory
120 mm / 4.5"



Diva Us
120 mm / 4.5"



Esli
80 mm / 3"



Fluffles
130 mm / 5"



French Cancan
140 mm / 5.5"



Feline Yvonne
130 mm / 5"



Fur Elise
110 mm / 4.5"



Ginger Snap
120 mm / 4.5"



Gitt's Attention
130 mm / 5"



NEW



Great Silence
120 mm / 4.5"



Hapet Daydream
130 mm / 5"



Irish Pinwheel
100 mm / 4"



Karma Gold®
130 mm / 5"



Karma Amora®
150 mm / 6"



Karma Fiesta®
130 mm / 5"



Karma Fuchsiana
120 mm / 4.5"



Karma Lagoon®
120 mm / 4.5"



Karma Naomi®
140 mm / 5.5"





Karma Prospero®
150 mm / 6"



Karma Serena®
110 mm / 4.5"



La Recoleta
70 mm / 3"



Kick Off
100 mm / 4" • 860750001



Lake Ontario
140 mm / 5.5"



Love of my life
100 mm / 4"



Maxime
140 mm / 5.5"



Miracle Princess
130 mm / 5"





Miss Brandy
140 mm / 5.5"



Mr. Optimist
120 mm / 4.5"



Music
120 mm / 4.5"



Night Silence
120 mm / 4.5"



Peaches
120 mm / 4.5"



Myrthe
120 mm / 4.5"



Obama
110 mm / 4.5"



October Sky
120 mm / 4.5"



Orange & Snow
130 mm / 5"





Pink Magic
110 mm / 4.5"



Pink Runner
110 mm / 4.5"



Princesse Elisabeth
100 mm / 4"



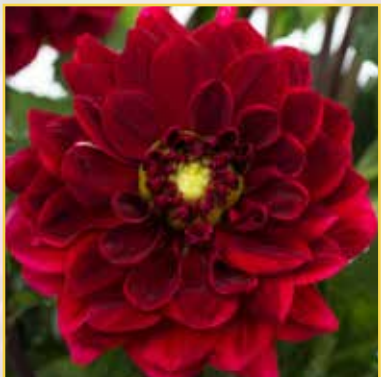
Seniors Hope
120 mm / 4.5"



Purple Flame
120 mm / 4.5"



Salmon Runner
110 mm / 4.5"



Red Runner
110 mm / 4.5"



Seattle
150 mm / 6"



Silver Years
150 mm / 6"





Snowstorm
110 mm / 4.5"



Stratos
140 mm / 5.5"



Sugar Cane
100 mm / 4"



Zsaza
110 mm / 4.5"



Sweet Nathalie
130 mm / 5"



Sweet Love
100 mm / 4"



Temple of Beauty
150 mm / 6"



Time for All
130 mm / 5"



Vanilla
110 mm / 4.5"



Waterlily



Bernard Oberland
150 mm / 6"



Eternal Snow
130 mm / 5"



Blue Wish
110 mm / 4.5"



Gerrie Hoek
120 mm / 4.5"



Glory van Heemstede
120 mm / 4.5"



Karma Maarten Zwaan®
140 mm / 5.5"





NEW



Mister Frans
140 mm / 5.5"



Peace Pact
140 mm / 5.5"



Rancho
150 mm / 6"



Sam Hopkins
130 mm / 5"



Siberia
110 mm / 4.5"



Yelno Harmony
110 mm / 4.5"



Stefan
120 mm / 4.5"



White Onesta
110 mm / 4.5"



Yvonne
120 mm / 4.5"



Ball



Addison June
80 mm / 3"



Andrea Lawson
100 mm / 4"



American Sunset
100 mm / 4"



Blyton Softer Gleam
130 mm / 5"



Babette
100 mm / 4"



Bantling
60 mm / 1.5"





Beatrice
100 mm / 4"



Bistro
90 mm / 3.5"



Black Diamond
100 mm / 4"



Black Pierre
90 mm / 3.5"



Boom Boom White
90 mm / 3.5"



Bonanza
90 mm / 3.5"



Boom Boom Red
100 mm / 4"



Boom Boom Yellow
80 mm / 3"



Boy Scout
70 mm / 3"





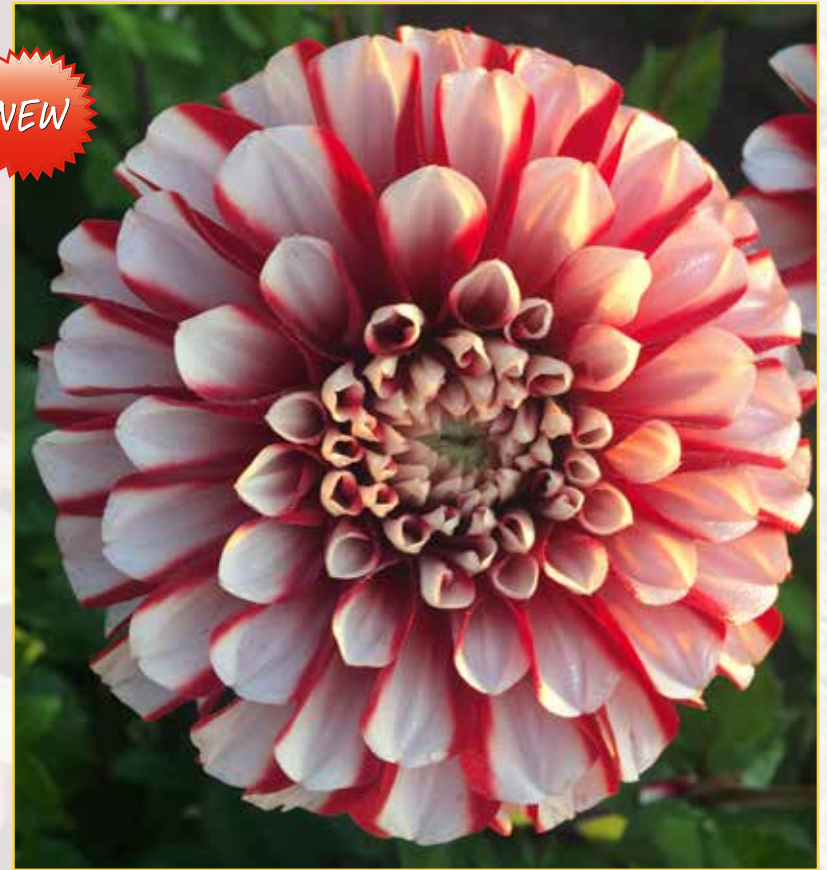
Caitlin's Joy
90 mm / 3.5"



Caro
100 mm / 4"



Checkers
140 mm / 5.5"



Cum Laude
90 mm / 3.5"



Brown Sugar
100 mm / 4"



Chimacum Davi
70 mm / 3"



Cornel
100 mm / 4"



Cornel Bronze
80 mm / 3"



Cryfield Harmony
100 mm / 4"





Doris Duke
80 mm / 3"



Dark Spirit
70 mm / 3"



Downham Royal
100 mm / 4"



Eveline
100 mm / 4"



Happy Halloween
120 mm / 4.5"



Hillcrest Suffusion
130 mm / 5"



Genova
70 mm / 3"



Golden Scepter
70 mm / 3"



Happy Hour
100 mm / 4"





Isabel
80 mm / 3"



Ivanetti
80 mm / 3"



Jowey Chantal
90 mm / 3.5"



Jowey Frambo
100 mm / 4"



Jomanda
80 mm / 3"



Jowey Linda
110 mm / 4.5"



Jowey Marilyn
120 mm / 4.5"



Jowey Martina
90 mm / 3.5"



Jowey Mirella
90 mm / 3.5"





Jowey Nicky
110 mm / 4.5"



Jowey Veronique
110 mm / 4.5"



Julio
90 mm / 3.5"



Lilac Bull
90 mm / 3.5"



Jowey Winnie
110 mm / 4.5"



Kona
100 mm / 4"



Lakeland Autumn
120 mm / 4.5"



L'Anresse
100 mm / 4"



Linda's Baby
90 mm / 3.5"





Marble Ball
90 mm / 3.5"



Maroon Fox
70 mm / 3"



Masterton George
90 mm / 3.5"



Megan Dean
80 mm / 3"



Makwala
90 mm / 3.5"



Mirella
70 mm / 3"



Natal
60 mm / 1.5"



New Baby
50 mm / 1"



Night Queen
100 mm / 4"





Orange Symphony
120 mm / 4.5"



Orsett Beauty
90 mm / 3.5"



Painted Black
90 mm / 3.5"



Pink Pearl
100 mm / 4"



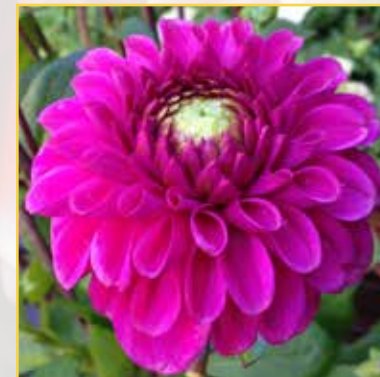
Pink Sylvia (Sandra)
90 mm / 3.5"



Pink Suffusion
90 mm / 3.5"



Polar Ice
120 mm / 4.5"



Purple Fox
80 mm / 3"



Red Cap
90 mm / 3.5"





Red Fox
80 mm / 3"



Red Symphony
120 mm / 4.5"



Ryecroft Jan
90 mm / 3.5"



Sefton Silvertop
100 mm / 4"



Robann Royal
90 mm / 3.5"



Safe Shot
80 mm / 3"



Salsa
70 mm / 3"



Sebastian
90 mm / 3.5"



Snowcap
90 mm / 3.5"





Sylvia
110 mm / 4.5"



Symphony
120 mm / 4.5"



White Wizard (Light Wizard)
80 mm / 3"



Sweet Fabienne
90 mm / 3.5"



Sweet Suzanne
90 mm / 3.5"



Wine Eyed Jill
100 mm / 4"



Wizard of Oz
80 mm / 3"



Yellow Symphony
120 mm / 4.5"



Zundert Mystery Fox
80 mm / 3"



NEW

Pompon



Burlesca
60 mm / 1.5"



Butercup
40 mm / 1.5"



Franz Kafka
50 mm / 2"



Maaike
40 mm / 1.5"



Petra's Wedding
70 mm / 3"



Rocco
40 mm / 1.5"



Small World
40 mm / 1.5"



Stolze von Berlin
60 mm / 1.5"



White Aster
60 mm / 1.5"



Zippity Do Da
50 mm / 2"



Cactus & Semi-Cactus



Apricot Star
160 mm / 6.5"



Autumn Orange
170 mm / 7"



Black Jack
200 mm / 8"



Henriette
130 mm / 5"



Chat Noir
150 mm / 6"



Hayley Jane
160 mm / 6.5"





Karma Bon Bini®
100 mm / 4"



Karma Sangria®
150 mm / 6"



Kenora Macop-b
200 mm / 8"



Penhill Autumn Shade
200 mm / 8"



Myrtle's Folly
200 mm / 8"



Rip City
150 mm / 6"



Preference
120 mm / 4.5"



Vancouver
150 mm / 6"



Omega
200 mm / 8"

Anemone



Dad's Favorite
100 mm / 4"



Mambo
130 mm / 5"



Polka
130 mm / 5"



Purple Haze
130 mm / 5"



Platinum Blonde
90 mm / 3.5"



Rockstar
100 mm / 4"



Soulman
70 mm / 3"



Take Off
90 mm / 3.5"



Totally Tangerine
100 mm / 4"

Practical tips

Cut flower production of Dahlias

Planting material

We sell #1 size tuber clumps. Not Individual tubers. Dahlia clumps will produce more shoots because they have more eyes on the clump.

Storage

Storage in crates at a temperature of 46°F (8°C) until planting. Open the crates/boxes and bags for ventilation. Avoid strong fans that may cause tubers to dry out.

Types of Dahlias



Ball



Pompon



Cactus



Small & Medium **Decorative**



Large & Giant **Decorative**

Soil

Dahlias will grow in any type of soil. The ideal pH value is 6 to 7. Applying lime will increase the pH. Good drainage is necessary to keep the underground parts of the plant from rotting; this means that water should drain quickly following heavy rainfall. Dahlias have large leaf surfaces and transpire large quantities of water. This water can be absorbed by the roots only when soil moisture levels are adequate. For these reasons, frequent monitoring of the soil moisture is important. Water thoroughly when planting, then lightly until plants are established. As plants grow larger, increase watering frequency. Drip irrigation is recommended. Insufficient moisture results in slow growth, fewer flowers and leaf yellowing.

Nutrients

The soil must contain adequate levels of potassium and phosphate. If the level of phosphate is too low, apply to the soil before planting.

Potassium can also be applied before planting. Incorporate the potassium and phosphate thoroughly into the upper 6" (15cm) of soil. The application of nitrate can influence the vegetative development during the growth period. Monitor the colour of the leaves (they should remain bright green) and strive for a continuous development of leaves and flowers. A nitrate deficiency will result in short plants with a pale leaf colour, but too much nitrate will produce straggling, limp plants, with fewer flowers.

Planting period

Soil should be at least 55°F (13°C) before planting. Planting into cold soil raises the chance of rotting tubers. Dahlias grow best at air temperatures between 60-75°F (15-25°C), but can withstand cooler, or warmer temperatures, they will not tolerate any frost.

Planting density and planting

Standard spacing is two rows, 15-18" (38-45cm) apart in a 3-4"

(1-1.2m) wide bed. Space plants 18" (45cm) apart down the row, in an alternating pattern. Use wider spacing for cultivars with a large, more spreading habit. Cover the crown of the tuber on which the growth eyes are located with 1" (2-3cm) of soil. Tubers should be horizontal or pointing down.

Bloom period

Dahlias begin to bloom 10-12 weeks after planting, and continue until frost. Growing in a high tunnel may protect plants from early frosts. Dahlias in the field can be protected from a light frost by running sprinklers on them throughout the night, until air temperatures are above freezing the following morning.

Weed control

Weeds can be controlled by the

use of mulch, manual weeding, or herbicides. Start with a weed free planting bed. Read and follow all chemical labels to ensure the product is labelled for Dahlias. Many growers plant dahlias in landscape fabric to control weeds, and conserve moisture. If grown in landscape fabric in areas with high heat, spread clean straw on the fabric to reduce heat gain from the sun.

Support

Tall dahlias need support. The weight of the plant and its flowers is so great that high wind and heavy rain can knock the plants to the ground. Use Hortonova Crop Support Netting, or Gloeckner Welded Wire Flower Support (Both available on page 118 of the Gloeckner supply catalog.), placed horizontally over the dahlias, soon

after planting. Include intermediate supports along the sides of the bed. Growers have also been successful using the Florida Tomato Weave method of staking.

Disbudding

To produce long attractive stems and larger flowers, growers may remove axillary shoots. A dahlia plant continues to produce new offshoots. Harvesting the flowers stimulates this and makes it possible to continue harvesting over a long period. Some growers remove the central stem with a hard "pinch" to encourage earlier branching.

Harvesting flowers

For uniform flower maturity, it is important to cut the flowers every day. On warm days harvest early in the morning or late in the

afternoon. Harvest half to fully open, depending on your needs. Cut long stems to encourage the plant to produce more long stems. Bunching can be done immediately in the field or later in the processing facility. Remove the lowest leaves. Trim the flower stems in each bunch to the desired length and place them in a water-filled container. Use a chlorine tablet to prevent bacterial growth.






Storing flowers

Place the flowers in a cooler at 35°F (2°C) use a holding solution to extend vase life and keep the water in the bucket clean. Dahlias are best "picked today, and sold tomorrow". Holding dahlias overnight in a cooler has shown to reduce premature wilting. Dahlias do not store well for long periods. Pick new and compost the old.



Pests and diseases

Various pests and diseases can affect the production of dahlias for cut flowers. Here are the most common ones accompanied by their control measures. Remember to consider hygiene and to start with healthy starting material. Prevention is better than a cure. Foliage or flowers damaged by insects or disease will not recover. If the problem is addressed, new growth should be fine.

Cause		Symptoms	Prevention/control
Dahlia smut <i>(Entyloma dahliae)</i>		<p>Light green to yellow round spots and sometimes angular spots bounded by veins appear primarily on the lowest leaves and measure up to 7/16" (2-10mm) across. The infection occurs mainly during flowering and then particularly under humid conditions.</p>	<p>Use a generous crop rotation period. Choose a planting density that will allow the foliage to dry quickly after rainfall. Remove and destroy diseased and dead plant parts. If necessary, spray with a fungicide according to instructions.</p>
Aerial stalk rot <i>(Sclerotinia sclerotiorum)</i>		<p>The sudden weakening of one or more stalks on a plant is a symptom of this disease. Large sclerotia with the appearance of rat faeces form inside the hollow stems. Damage occurs primarily on plots that are regularly used for producing host plants such as Dahlia, beans, Chrysanthemum, Liatris and potatoes.</p>	<p>In case of an infestation, spray with a fungicide according to instructions. Remove and destroy diseased plants along with neighbouring plants. Steam infected soil. Use a generous crop rotation period.</p>
Aphids		<p>The upper leaves of young shoots become misshapen or tightly curled. Clusters of black or green aphids can be found on the undersides of these leaves and sometimes on young stems and flower stems as well.</p>	<p>If necessary, spray with an insecticide according to instructions.</p>
Spider mite		<p>Affected leaves turn dark brown in places and fall off prematurely. These symptoms are generally caused by Tetranychus urticae (Red Spider Mite) that occurs on many host plants. Hot dry weather increases the reproduction rate of spider mites.</p>	<p>Spray regularly and according to the instructions with an agent that controls red spider mite.</p>
Thrips <i>(Thrips tabaci)</i>		<p>Affected plants display a noticeably slowed rate of growth. Often, the lowest leaves are shaped normally but the younger leaves are highly misshapen. Flower formation is also disrupted. Hot dry weather increases the reproduction rate of thrips.</p>	<p>Spray with insecticide according to instructions. Be sure to treat the tips of the buds thoroughly.</p>

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Fredon Bulb Facility

37 Fredon Marksboro Road
Fredon, NJ 07860
1-800-24-EDNIE
Phone: (973) 940-2700
Fax: (973) 940-2839
Email: support@ednieflowerbulb.com

Clackamas Bulb Facility

12400 SE Highway 212
Clackamas, OR 97015
1-888-655-0907
Phone: (503) 655-0908
Fax: (503) 655-0979
Email: clackamasbulbs@fredgloeckner.com