COOL CROPS
LINERS 2018
New Varieties

Primula acaulis Optic Mixture
New mid-season primula series for 4” pots featuring full flowering on tidy green foliage. Compact plants that require less PGRs and less cold to initiate flowering. Mixture includes solid colors and some novelties. Finish times are highly dependent on season & culture and can range from 10-14 weeks from our 72s. (72, 288) Pictured on previous page.

Primula obconica Touch Me Large series
Mix, Galaxy Magenta
Primin-free series with long flower life and strong plant habit. Compact plant structure is perfect for 4½”-6½” pots. Mix includes solid colors and bicolors. Galaxy Magenta is a unique novelty color with flower color variations that are reminiscent of a starry night. Finish 6” pots in 12-14 weeks. (72)

Ranunculus Maché Vanilla Bicolor Medley
Maché is a vigorous, strong-stemmed series with large flowers. Beautiful fully double rose-like flowers make ranunculus the perfect retail impulse item. The new Vanilla Bicolor Medley shows rose-based shades with undertones of vanilla. Pictured on back cover. Finish 4” pots from our 72s in 10-12 weeks. (72)

Ranunculus Magic series
Golden Yellow, Rose Delight
Magic has a naturally compact habit with no PGRs needed. The new Golden Yellow is a vibrant deep yellow with a richer color than Yellow. The new Rose Delight is a striking rose bicolor that creates a stunning rose-like appearance as flowers open. Finish 4” pots from our 72s in 10-12 weeks. (72)

About Wagner Greenhouses

Wagner Greenhouses operates out of Minneapolis, Minnesota. Our fifth generation family company supplies young plants to growers nationwide through the broker system. Known for quality and service, Wagner’s excels in producing spring bedding plugs, summer fall pansy plugs, cyclamen liners, cool crop liners, specialty florist liners, and prefinished cyclamen.

Wagner’s also operates three garden centers, which gives some unique perspectives to our young plant production. First, we finish our own products, so we truly understand the important qualities in a plug. Second, we can actually interact with the gardening public and closely observe their buying decisions. We integrate what we learn into the young plant programs, strengthening our products for you, the grower.
Variety Listing

**Calceolaria**

**Dainty Formula Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Compact, uniform
- •72•

**Cineraria**

**Jester**
- Use: 4-6" pots
- Available July 30-Feb 1
- Versatile, mounded form
- •72•
- Mixed
- Blue Bicolor

**Venezia Formula Mix**
- Use: 4-6" pots
- Available July 30-Feb 1
- Early, compact, uniform
- •72•

**Primula acaulis**

**Blue Zebra**
- Use: 4" pots
- Available July 30-Feb 1
- Mid-late, blue & white striped pattern
- •72•

**Danessa Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Earliest flowering, no cooling required
- •72•

**Danova**
- Use: 4" pots
- Available July 30-Feb 1
- Mid-early season
- •72•144•288•
- Mixed
- Grower Select Mix

**Hethor Giant Early Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Early season, huge flowers
- •72•144•288•

**Hethor Giant Mid Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Mid season, huge flowers
- •72•144•288•

**Hethor Giant Late Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Late season, huge flowers
- •72•144•288•

**Optic Mixture - NEW**
- Use: 4" pots
- Available July 30-Feb 1
- Mid season
- •72•288•

**Starflame Mix**
- Use: 4" pots
- Available July 30-Feb 1
- Mid-early, eye-catching flamed flowers
- •72•

**Sweet 16 Pink Shades**
- Use: 4" pots
- Available July 30-Feb 1
- Early season, large flowers turn from white to pink to rose
- •72•
Primula malacoides

Prima Mixed
Use: 4-6” pots
Available July 30-Feb 1
Masses of dainty blooms
•72•

Primula obconica

Touch Me Large
Use: 4½-6½” pots
Available July 30-Feb 1
Primin-free, strong plant
•72•

Mix - NEW
Galaxy Magenta - NEW

Touch Me Midi Mix
Use: 4-5” pots
Available July 30-Feb 1
Primin-free, compact
•72•

Primula polyanthus

SuperNova Mix
Use: 4” pots
Available July 30-Feb 1
Flowers held above foliage
•72•

Ranunculus

Bloomingdale II Mix
Use: 4” pots
Available Nov 26-Feb 1
Uniform, compact habit
•72•

Maché
Use: 4” pots
Available Nov 26-Feb 1
Uniform with good vigor
•72•

Mix
Bicolor Mix
Pastel Mix
Orange
Pink
Purple
Red
Rose
Scarlet
Vanilla Bicolor Medley - NEW
Yellow

Magic
Use: 4” pots
Available Nov 26-Feb 1
Naturally dwarf
•72•

Mixed
Chocolate
Golden Yellow - NEW
Orange
Pink & Peach
Red
Rose
Rose Delight - NEW
White
Yellow

Sprinkles Mix
Use: 4” pots
Available Nov 26-Feb 1
Compact, few PGRs needed
•72•

Schizanthus

Atlantis Mix
Use: 4-6” pots
Available July 30-Feb 1
Small, orchid-like flowers
•72•

Atlantis Mix

Bicolor Mix

Pastel Mix
Orange
Pink
Purple
Red
Rose
Scarlet
Vanilla Bicolor Medley - NEW
Yellow

Magic Pink & Peach

Atlantis Mix

SuperNova Mix
Every young plant that leaves Wagner Greenhouses carries with it the evidence of our dedication to producing top quality products to help your season get a great start. We start by working closely with your sales person to ensure accurate order entry. We test every seed lot that comes through our doors to avoid surprises during production. We sow to order, and grow the plants under carefully controlled conditions, with a staff skilled at managing fertilizer, moisture and temperature to achieve ideal plant growth. Our picture of an ideal plant includes short hypocotyls, well-developed roots and compact top growth, all with minimal chemical use. We then ship the young plants to arrive in good condition on the date you expect. After shipping, we continue to support our product with technical expertise. Your success is important to us, and we are dedicated to helping you achieve it.

**All product ships July 30, 2018 through February 1, 2019, except Ranunculus ships November 26, 2018 through February 1, 2019.**

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**Tray Specifications**

All trays are patched to 100% fill.

- **288 cell trays** sold as 275, octagonal cells (East Jordan, 21" x 11 ¼")
- **144 cell trays** sold as 140, octagonal cells (Landmark, 20.82" x 10.54")
- **72 cell trays** sold as 70, octagonal cells (Blackmore, 20.69" x 10.56")

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**Certifications**

Wagners is in compliance with the provisions of the Domestic Japanese Beetle Harmonization Plan, Shipment to Category 1 States. Inspections and/or other documentation from a certified agency are available.

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**Production Lead Times (in weeks)**

<table>
<thead>
<tr>
<th>Item</th>
<th>72</th>
<th>144</th>
<th>288</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calceolaria</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cineraria</td>
<td>8-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primula</td>
<td>11-15</td>
<td>11-12</td>
<td>8-9</td>
</tr>
<tr>
<td>Ranunculus</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schizanthus</td>
<td>8</td>
<td></td>
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</tr>
</tbody>
</table>

Lead times are provided in weeks. This is the approximate number of weeks in advance an order for this item would need to be placed. Please note that lead times will vary based on season.

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**Packing**

**Boxes**

Boxes are constructed with recyclable, moisture-resistant corrugation. Boxes are packed using one tube size per box with approximate tray packing as follows:

- 5 trays per box for 288 cell size
- 4 trays per box for 144 cell size
- 3-4 trays per box for 72 cell size

**Regular Packing:**

- **Standard Box**: 22"x12"x14"  
  - Weight: 20 lbs.
- **Courier Box**: 22”x23”x14”  
  - Weight: 40 lbs.

**Insulated Packing**

- **Standard Box**: 23”x13”x15”  
  - Weight: 23 lbs.
- **Courier Box**: 23”x25”x15”  
  - Weight: 46 lbs.

*Courier box is two standard boxes inserted into a larger overlap box

**Insulation utilized when necessary to prevent plant damage from frost

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**Customer Owned Carts**

Customers may drop off their own carts prior to scheduled pickup date. Ownership labels must be on each cart and the carts must be clear of all plant debris.

**Wagner Owned Carts**

Sanitized carts may be used for deliveries to customers able to handle and unload at the time of delivery as temperatures permit. Our ability to drop carts for an extended period of time depends on the truck’s route.

**Order Minimum**

Order minimum is 6 trays per order across all Wagner’s young plant programs.
Shipping Options

Courier To Door - Small to Medium Shipments
- FedEx Priority Overnight Service
- FedEx Second Day AM Service (not available during cold season)
- FedEx Express Package from HUB
  Grower truck drop to HUB with next day FedEx Package delivery.
- FedEx Ground from HUB (not available during high heat)
  Grower truck drop to HUB with next day FedEx Ground delivery by 5 P.M.
- Regional Courier: Spee Dee Ground Service
  Service only available in Zone A and northern Illinois. Not available during cold season.

Trucked To Door - Medium to Large Shipments
- Grower Truck LTL: Carted or boxed
  Available for orders that can be pooled within a region. Ship-to’s must accommodate a 53 ft. trailer.
- FedEx LTL From Hub
  Grower truck drop at Hub followed by next day FedEx LTL delivery before 5:00 P.M. Requires pooled orders totaling more than 2,500 pounds of freight.
- LTL from MSP: Shrink-wrapped pallets. Not available during cold season.
  - Via Fed Ex Freight
    Not temperature controlled. Ship-to locations beyond 400 mile radius qualify for two day delivery. Ship-to locations within 400 mile radius qualify for next day delivery.
  - Via Grower or Contracted Truck
    Temperature controlled. Requires pooled orders totaling more than 2,250 pounds of freight.

To Nearest Airport Delivery
Phone On Arrival delivery to nearest major airport. If a local trucking company is contracted to provide delivery from the airport at an additional charge paid by consignee, please provide the trucking company name and contact information to allow proper preparation of waybills.

Customer Pickup
Pickup times are available on Wednesdays and Thursdays.

Substitution List

Item no longer listed:
Campanula Appeal Deep Blue
Cineraria Satellite Mix
Primula acaulis Daniella Mixed
Primula acaulis Orion Mix
Primula obconica Pricanto Mix

Available Sub:
No Sub, Custom Sow Available
Venezia Formula Mix
Danova Grower Select Mix
Optic Mixture
No Sub

Photo Credits:
A Sakata Seed
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C Ball Horticultural
D Schoveveld Breeding
Ask your broker about other high quality young plants from Wagners