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## 2017 Fall Product List

Qty	Variety	Qty	Variety
	Alyssum Clear Crystal White		Pansy MG II White blotch (limited)
	Alyssum Easter Bonnet Lemonade		Pansy MG II Yellow blotch (limited)
	Pansy Cool Wave Mix (limited)		Parsley curly
	Pansy Delta Blue Light		Snapdragon Speedy Sonnet Bronze
	Pansy Delta Persian Medley		Snapdragon Sonnet Crimson
	Pansy Delta Primrose		Snapdragon Sonnet Pink
	Pansy Freefall Golden Yellow		Snapdragon Sonnet Rose
	Pansy Freefall Marina		Snapdragon Sonnet White
	Pansy Imperial Antique Shades		Snapdragon Sonnet Yellow
	Pansy Matrix Blue True		Viola ColorMax Berry Pie
	Pansy Matrix Lavender Shades		Viola ColorMax Blue Icy
	Pansy Matrix Lemon		Viola ColorMax Lemon Splash
	Pansy Matrix Mix Blotch (custom)		Viola ColorMax Popcorn
	Pansy Matrix Mix Blues (custom)		Viola ColorMax Rose blotch
	Pansy Matrix Mix Clear (custom)		Viola Penny Blue
	Pansy Matrix Mix Daffodil Mix		Viola Penny Citrus Mix
	Pansy Matrix Mix Pastel Palette (custom)		Viola Penny Lavender Shades
	Pansy Matrix Mix POP (custom)		Viola Penny Purple Picotee
	Pansy Matrix Mix Silky Sunshine (custom)		Viola Penny Violet
	Pansy Matrix Orange Deep		Viola Penny Winter Mix
	Pansy Matrix Purple		Viola Sorbet Lemon Chiffon
	Pansy Matrix Rose		Viola Sorbet Orange Dp
	Pansy Matrix Scarlet		Viola Sorbet Pink Wing
	Pansy Matrix White		Viola Sorbet Raspberry (limited)
	Pansy Matrix Yellow		Viola Sorbet White

	Pansy MG II Blue Mid blotch (limited)		Viola Sorbet Yellow
	Pansy MG II Mix blotch (limited)		
	Pansy MG II Rose blotch (limited)	*****	see p 3 for custom mix info

**\*Watch email/fax availability for combo HBs, pansy bowls and other items not listed!**

**5"R (8 per tray) (28.1 fl oz)- pansy and viola quantities limited**

Qty	Variety	Qty	Variety
	Kale Osaka Pink		Pansy Matrix Blue True
	Kale Osaka Red		Pansy Matrix Lavender Shades
	Kale Osaka White		Pansy Matrix Lemon
	Kale Peacock Red		Pansy Matrix Ocean
	Kale Peacock White		Pansy Matrix Purple
	Kale Scarletbor (aka Redbor)		Pansy Matrix White
	Kale Russian Red		Pansy Matrix Yellow
	Kale Songbird Pink		Viola ColorMax Blue Icy
	Kale Songbird Red		Viola ColorMax Popcorn
	Kale Songbird White		Viola Penny Lavender Shades
	Kale Snowbor (aka Winterbor)		Viola Sorbet Blue Heaven
	Pansy Delta Persian Medley		Viola Sorbet Lemon Chiffon
	Pansy Delta Pure Color Mix		Viola Sorbet White
	Pansy Imperial Antique Shades		Viola Sorbet Yellow

**4"R (10 per tray) (16.9 fl oz)**

	Angelvine		Poppy Champagne Bubbles Mix
	Foxglove Camelot Lavender		Poppy Champagne Bubbles Pink
	Foxglove Camelot Mix		Poppy Champagne Bubbles Scarlet
	Foxglove Camelot Rose		Poppy Champagne Bubbles White
	Foxglove Camelot White		Poppy Champagne Bubbles Yellow
	Lysimachia aurea - Creeping Jenny		Vinca Vine (variegated)

**Kitchen Garden - 4"R (10 per tray) (16.9 fl oz)**

	Arugula		Lettuce Simpson Elite
	Basil Pesto Party (Burpee)		Lettuce Wildfire Mix
	Beet Bull's Blood		Mustard Red Giant

Chard Bright Lights	Nasturtiums Alaska mix
Chives	Parsley flat
Cilantro	Rosemary Tuscan Blue
Dill Bouquet dwarf	Sorrel Red-veined
Kale lacinato	Thyme- see AV for variety
Lettuce Merlot	

**GALLONS (85.9 fl oz)**

Rosemary Tuscan Blue	Stachys Helene von Stein
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**3- GALLON**

Caryopteris Pagoda Blue	Rosemary Tuscan Blue
Rosemary Prostrate	Salvia leucantha Santa Barbara

**Custom Mixes**

From your experience with pansy mixes, you may have noticed that sometimes colors are over/under-represented or that some colors in a mix grow more robustly than others. In an effort to address this, we asked our seed supplier to create new versions of several standard mixes, with different varieties and different percentages of colors. Because we are using Matrix varieties rather than Delta this year, we have renamed the mixes as follows:

<b>WAS</b>
Delta Buttered Popcorn
Delta Citrus Mix
Delta Cool Water
Delta Watercolor

<b>NOW</b>
Matrix Silky Sunshine
Matrix Daffodil Mix
Matrix Blues Mix
Matrix Pastel Palette

POP Mix= Purple/ Orange/ Primrose

Blotch and Clear Mixes have been retooled as well

**Important!! Pansy and Viola Fertilization different from Summer Flowers**

Because they are trying to grow in cooler temperatures, pansies and violas need a different type of fertilizer than summer flowers. Pansies and violas are trying to grow and bloom during cold, wet weather, and the warm-season soil bacteria, which convert ammoniacal and urea nitrogen to **the nitrate form which pansies and violas can use**, are dormant. Winter feeding of pansies and violas with ammoniacal and urea forms of fertilizer may result in little or no food actually being available to the plants and a toxic ammonia buildup as well. Look for "Nitrate" nitrogen on the label (see below).

While it's ok to use regular fertilizers in the early, warm part of fall, it's still best to avoid high levels of ammonia and urea because plants they may cause plants to stretch in early fall heat and be more sensitive to frosts. (Note- to prevent stretch, don't use 20-20-20 on your flower beds- **EVER!**)

The formulations below contain predominantly nitrate-based nitrogen, which is readily available in winter soils and also promotes compact, sturdy growth when weather is warmer. The downside of nitrate fertilizers is that they have little or no slow-release capability, so their effects are diluted by heavy rains or excess watering. Therefore, they have to be applied more often than slower-release formulations.

**Pansy/ Winter feeds we carry**

Granular 10-2-18 (8.6% nitrate)- \$ 55.00 (50 lbs)

Water Soluble 15-0-15 (14% nitrate) -\$38.00 (25 lbs)

Water Soluble 17-5-17 (12% nitrate) -\$38.00 (25 lbs)

**Pansy Fertilizer**  
**Batch #: DRAFT**  
**GUARANTEED ANALYSIS**

Total Nitrogen (N).....	10.0000%
8.6000% Nitrate Nitrogen	
1.4000% Ammoniacal Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ).....	2.0000%
Soluble Potash (K <sub>2</sub> O).....	18.0000%
Calcium (Ca) .....	11.3050%

Derived From: Ammonium Phosphate, Sulfate of Potash, Calcium Nitrate

**How to tell Nitrogen type**

It sounds complicated but it's pretty simple. Every fertilizer bag is required by law to have a "Guaranteed Analysis" label somewhere on it. Find the label, and check out the first section "Total Nitrogen" This tells you which types of N make up all the N in the bag, and the right type depends on what you're feeding. For pansies and violas, look for mostly "Nitrate". Too much ammoniacal or urea N may cause toxicity on pansies and violas.







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