



YOUNG PLANTS

2020 TRIAL GARDEN TRIAL RESULTS & DATA






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Mast Young Plants' Trial Garden is located in Grand Rapids, Michigan. The 2020 Summer Trials featured more than 1500 varieties, 500+ uniquely handcrafted hanging baskets and planters, 250+ NEW items area, the All-American Selection Trial Grounds, and our 2020 Feature Trial: Combinations!

Mast Young Plants Trial Garden

3525 Bristol Avenue NW
Grand Rapids, Michigan 49544





2020 MYP TRIAL GARDEN RESULTS

Top Performers New to 2021 Program

1. Petunia Hippy Chick™ by Danziger
2. Petunia Splash Dance™ Magenta Mambo by Danziger
3. Rudbeckia Rising Sun® Chestnut Gold by GreenFuse Botanicals
4. Petunia Blanket® Blue Star by GreenFuse Botanicals
5. Petunia DuraBloom® Electric Lilac by Dummen Orange
6. Petunia Surprise Sparkle Red by Dummen Orange
7. New Guinea Impatiens Harmony® Colorfall Neon Red by Danziger
8. Petunia Itsy™ Magenta by Syngenta Flowers
9. Petunia Bee's Knees by Ball FloraPlant
10. Phlox Gisele® Red by Selecta

Top Consumer Favorites

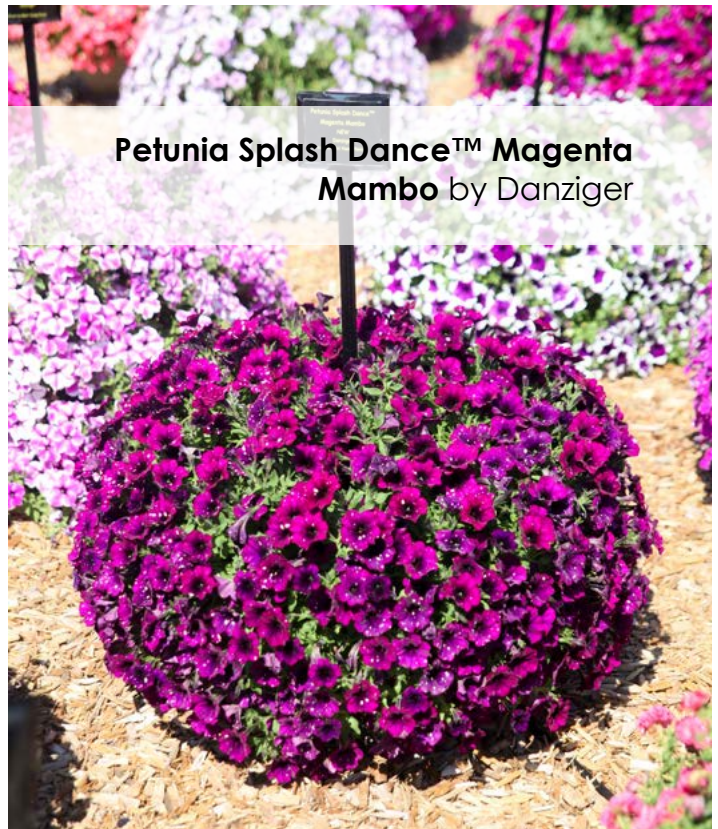
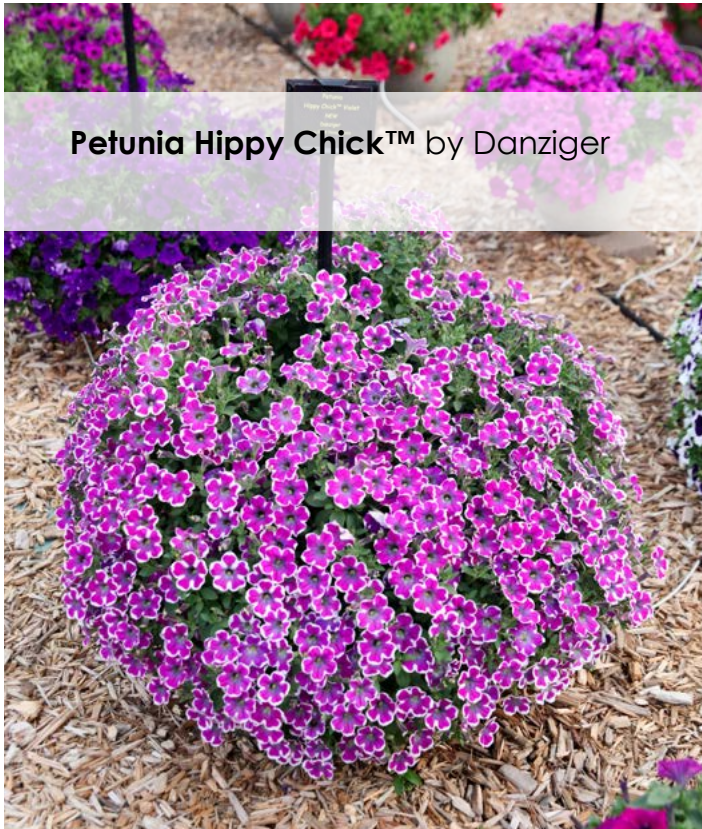
1. Petunia Bee's Knees by Ball FloraPlant
2. Petunia Splash Dance™ Magenta Mambo by Danziger
3. Rudbeckia Rising Sun® Chestnut Gold by GreenFuse Botanicals
4. Petunia Itsy™ Magenta by Syngenta Flowers
5. Begonia Big® White Green Leaf by Benary

Best of the Best

- Best Drought-Tolerant Annual: Phlox Gisele® Red by Selecta One
- Best Drought-Tolerant Perennial: Gaillardia Barbican™ Yellow with Red Wing by Syngenta Flowers
- Best Pollinator-Friendly Annual: Salvia Sallyfun™ XL Blue by Danziger
- Best Heat-Tolerant Annual: Petunia Itsy™ Magenta by Syngenta Flowers
- Best Heat-Tolerant Perennial: Ajuga Feathered Friends™ Tropical Toucan by Garden Solutions
- Best Overall Performance Annual: Petunia Bee's Knees by Ball FloraPlant
- Best Overall Performance Perennial: Rudbeckia American Gold Rush by Intrinsic Perennial Gardens



2020 TOP GARDEN PERFORMERS





Rudbeckia Rising Sun® Chestnut Gold by
GreenFuse Botanicals



Petunia Blanket® Blue Star by GreenFuse
Botanicals





Petunia DuraBloom® Electric Lilac by
Dummen Orange



Petunia Surprise Sparkle Red by
Dummen Orange



New Guinea Impatiens Harmony®
Colorfall Neon Red by Danziger



Petunia Itsy™ Magenta by
Syngenta Flowers





Petunia Bee's Knees by Ball FloraPlant



Phlox Gisele® Red by Selecta One

2020 TOP CONSUMER FAVORITES

The people have spoken! Visitors vote for their favorite new varieties and we tally their votes all summer long. Introducing our visitors' Top 5 new varieties!



Petunia Bee's Knees by Ball FloraPlant

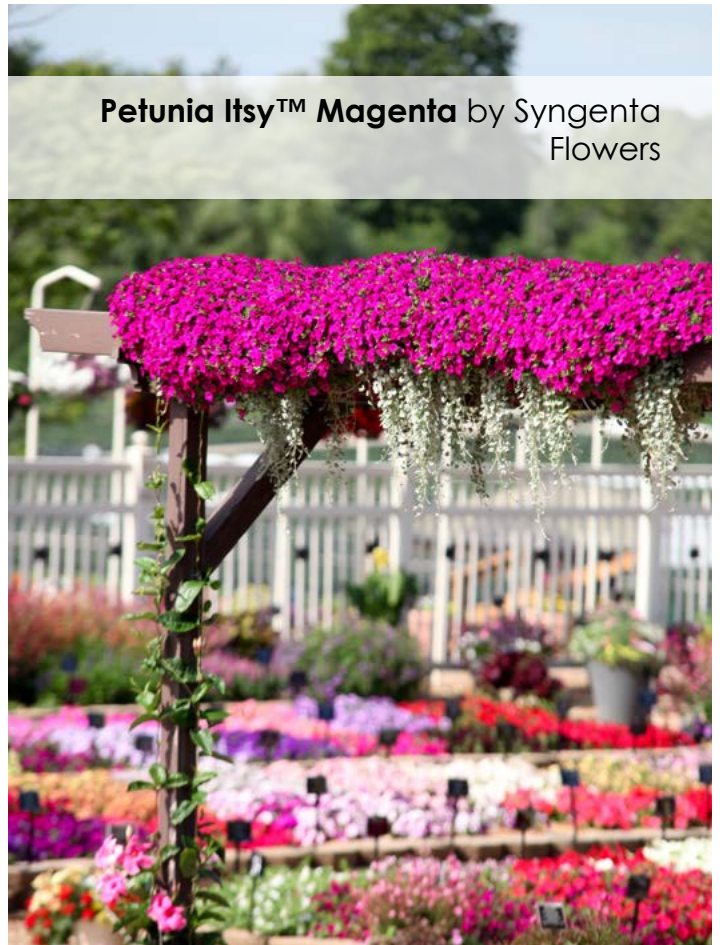


Petunia Splash Dance™ Magenta Mambo
by Danziger

Rudbeckia Rising Sun® Chestnut Gold by
GreenFuse Botanicals



Petunia Itsy™ Magenta by Syngenta
Flowers



Begonia Big® White Green Leaf by
Benary



2020

BEST OF THE BEST



Best Drought-Tolerant Perennial:
Gaillardia Barbican™ Yellow with Red
Wing by Syngenta Flowers



Best Drought-Tolerant Annual:
Phlox Gisele® Red by Selecta One



Best Pollinator-Friendly Annual:
Salvia Sallyfun™ XL Blue by Danziger

Best Heat-Tolerant Annual:
Petunia Itsy™ Magenta by Syngenta
Flowers



Best Heat-Tolerant Perennial:
Ajuga Feathered Friends™ Tropical
Toucan by Garden Solutions

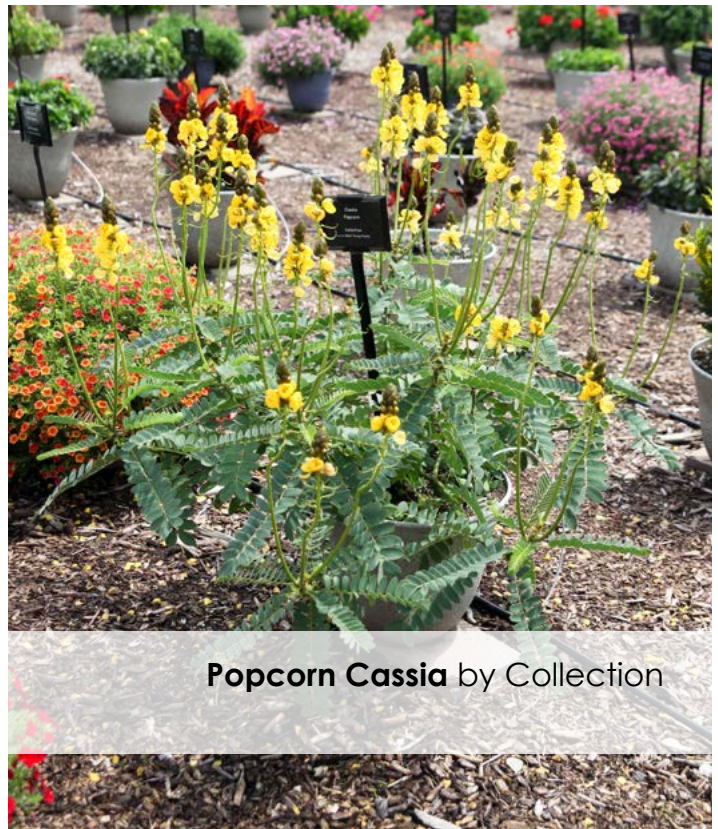


Best Overall Performance Annual:
Petunia Bee's Knees by Ball FloraPlant

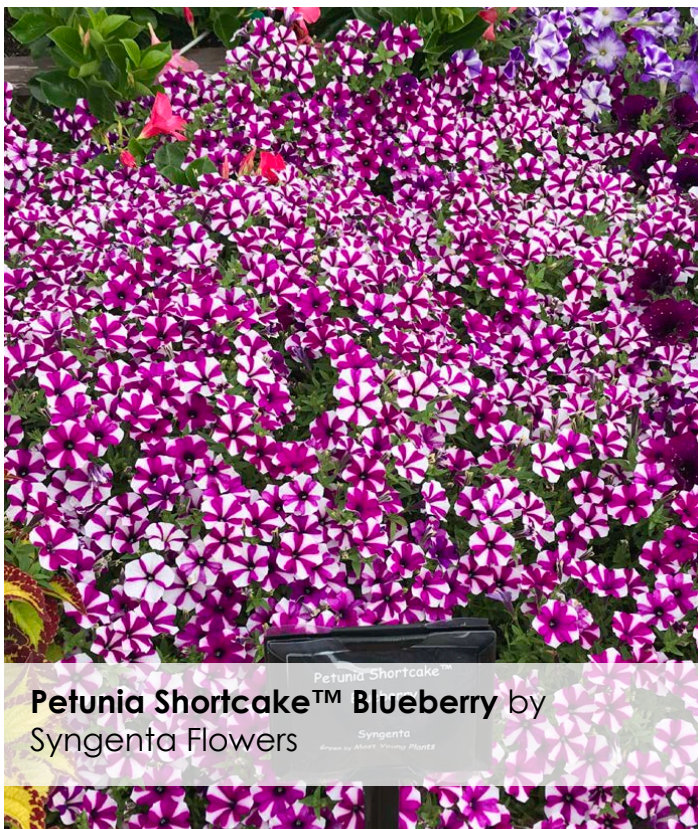


Best Overall Performance Perennial:
Rudbeckia American Gold Rush by Intrinsic
Perennial Gardens

OTHER STANDOUT VARIETIES



Popcorn Cassia by Collection



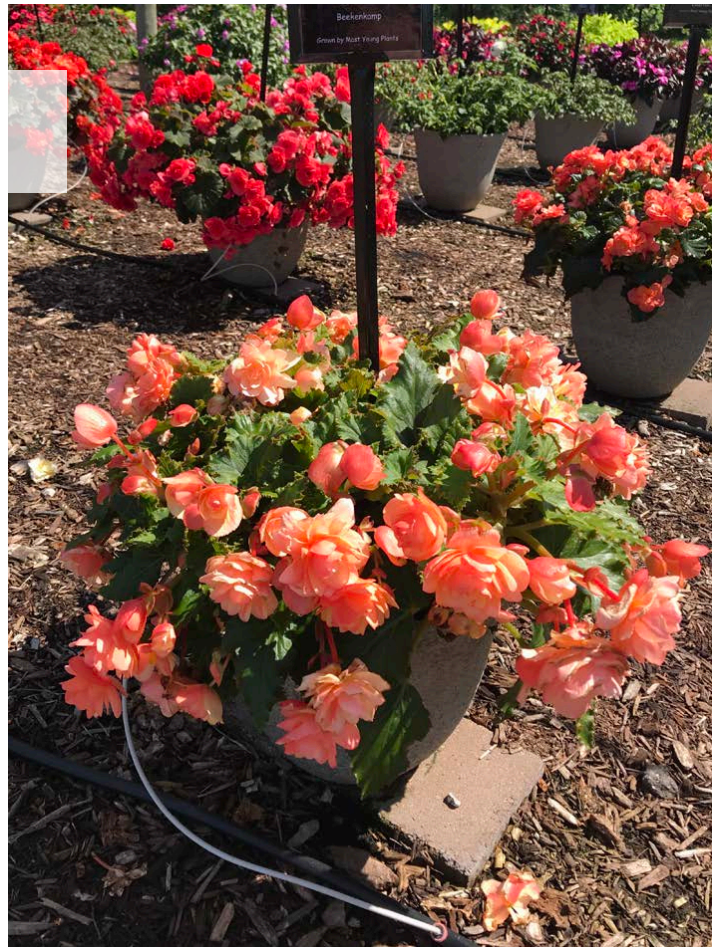
Petunia Shortcake™ Blueberry by
Syngenta Flowers





Begonia Fragrant Falls® Peach
by Beekenkamp

A close-up photograph of the Begonia Fragrant Falls® Peach variety. The image shows several large, double flowers in shades of peach and light orange, with some darker orange buds. The leaves are dark green and serrated.



Zonal Geranium Americana® Scarlet Fire
by Syngenta Flowers



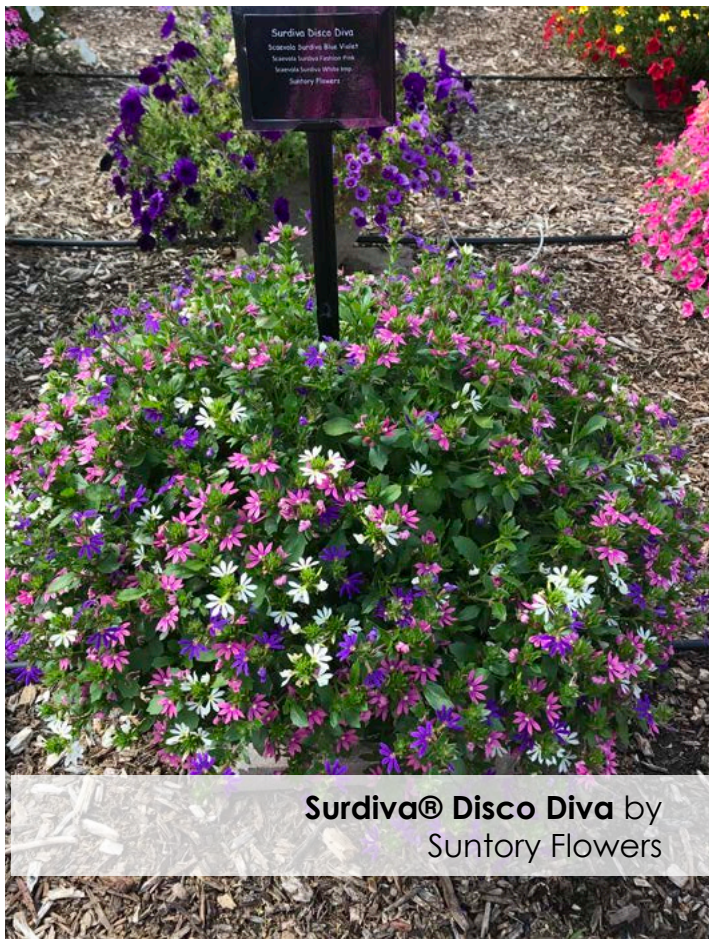
Petunia Surprise Sparkle Blue
by Dummen Orange

2020 ANNUAL COMPARISON TRIAL

Our innovating department's annual comparison trial evaluated all breeder combos not included in our 2021 catalog that we might consider for our 2022 program.

Top Combos

1. Surdiva® Disco Diva by Suntory Flowers
2. Beedance® Bee Daring by Suntory Flowers
3. Kwik Kombo™ Spring Sunset by Syngenta Flowers
4. Sunpatiens® Summer Salsa by Sakata
5. Kwik Kombo™ Summer Fun by Syngenta Flowers



Surdiva® Disco Diva by
Suntory Flowers





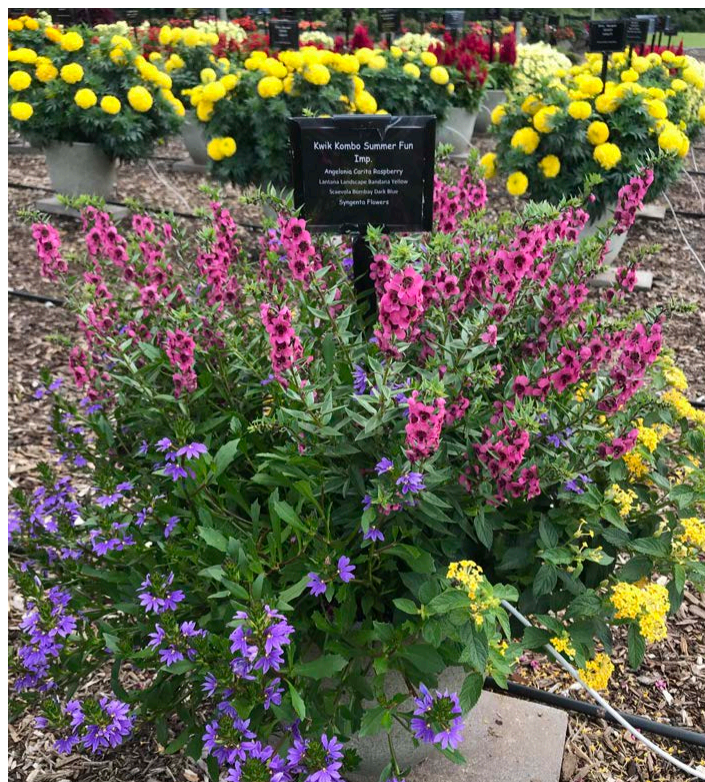
Beedance® Bee Daring by
Suntory Flowers



Kwik Kombo™ Spring Sunset by
Syngenta Flowers



Sunpatiens® Summer Salsa by
Sakata



Kwik Kombo™ Summer Fun by
Syngenta Flowers

TOP 2020 COMBINATIONS



Deco-Pot #116

Cordyline Red Sensation
Petunia Potunia® Blueberry Muffin
Lantana Trailing Lavender
Jamesbrittenia Goldstar™
Calibrachoa Cabrio™ Amethyst
Ajuga Feathered Friends™ Cordial Canary



Deco-Pot #263

Petchoa SuperCal® Premium Caramel Yellow
Petchoa SuperCal® Premium Cinnamon
Coleus Inferno



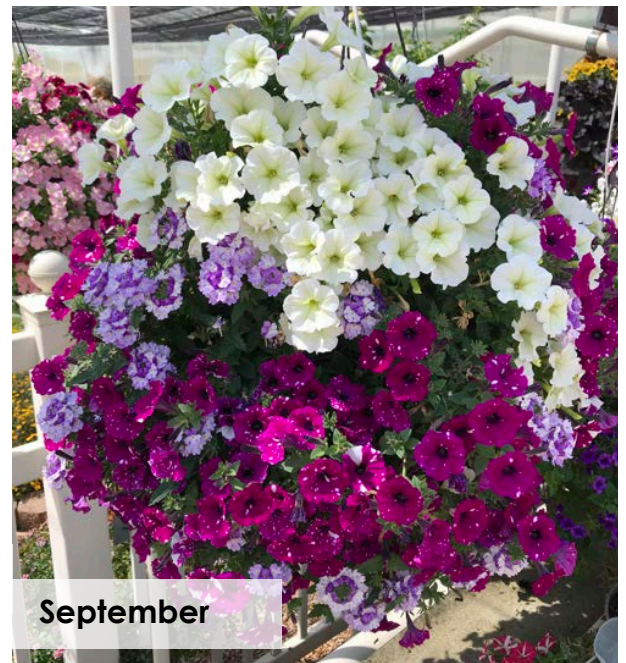
Window Box #24

Senecio Angel Wings®
Osteospermum Daisy Falls™ White Amethyst
Phlox Phloxstar™ Red
Verbena Lanai® Upright Purple Velvet



Hanging Basket #49

Petunia Double Pinkerbelle
Verbena Vanessa™ Dark Pink
Petunia DuraBloom® Purple



Hanging Basket #57

Petunia Cascadius™ Hint of Lime
Petunia Headliner™ Premium Electric Purple Sky
Verbena Vanessa™ Bicolor Indigo



Hanging Basket #222

MixMaster™ Feelin' Lucky
Lantana Lucky™ Flame
Lantana Lucky™ Lemon Glow
Lantana Lucky™ Pot of Gold

Large Hanging Basket #206

Geranium Calliope® Medium White
Petunia Itsy™ Magenta
Petunia Potunia Plus Pinkalicious
Verbena Lascar™ White





COMBINATION PLANTERS: "THINK OUTSIDE THE BOX"



At Mast Young Plants we have a trial garden where each year we trial both the breeder combinations available on the market as well as make close to 200 mixes that are custom designed. These custom designed ones don't always work or turn out. We make these mixes with the goal of trying to find the diamonds in the rough.

Trial and Visit Trials

So a first rule of thumb for thinking outside the box is trial different items or if you don't trial them yourself, get to field trials where combinations like this are grown out so you can copy or mimic what has worked. In our 2020 trial garden we not only grew out the usually 400 combinations like we always do, but we also grew out an additional 300 breeder combinations that we don't currently offer in our young plant program. The reasoning for this was to again look for things that catch our eye or look at combos that were maybe not on our radar due to being from a minor breeder. Over the years of opening our garden to the public, we have received frequent positive comments about the combinations. People really do appreciate seeing what other options are out there. A rewarding thing for us is when customers return from year to year and tell us that one of our combos was a top seller for them!

Mix it Up

The second part of thinking outside the box is breaking the habit of using the same types of plants in each mix. Often growers will be afraid to mix certain items due to a difference in vigor. You will hear them say, "if I plant those two together, plant A will completely take over and choke out the others." While this is true if left to their natural habits, a grower who thinks outside the box can overcome this by using PGR liner dips when planting combinations. At our greenhouse, we have a document we have created called "Liner dips for combination plants – keys to success". This document outlines a process and a rate which safely and accurately controls those vigorous varieties in mixes. For instance, ipomoea

is loved by many, but in a combination the standard variety like Marguerite will take over a basket within 4-6 weeks after planting. In our greenhouses, we will dip the liner trays before planting the combination in a 2-3 ppm Bonzi solution. We then allow the trays to drip dry before planting. Now when we plant that ipomoea in the same pot as a calibrachoa, the PGR will keep it in check and allow the calibrachoa to establish within the combination.

Plan the Work, Work the Plan

The last point is to have a good plan before planting. Take time this summer to get out and see trial gardens. Take photos of combinations you like. At MYP, we take a quality photo of each of the 400 combinations we are growing and offer that growers can download these pictures as well as a spreadsheet with what is in each mix. Use that photograph to help you make a plant o gram of the mix. Just as it is important what you put in the mix, it is also important that you use the correct number of plugs and space them properly. At MYP, we create a plant o gram for each mixed pot that we grow. This diagram helps production plant them correctly and gives us a place to put any notes or comments.

-Michael DeBerti, Head Grower
Featured in *Greenhouse Grower*



GARDEN TRIALS ADVANTAGE

MYP conducts year-long greenhouse trials that culminate with our summer garden trials. Observing and evaluating plants and series throughout their entire life cycles allow us to fully understand the ideal growing conditions and unique characteristics of each one. Life-cycle trials also enable us to confidently provide information to growers, so they're able to select plants that truly meet their needs based on garden-condition trials and not just from a glossy picture in a catalog.

Unique patterns and colorations have recently spurred increased sales for one of the oldest and most loved variety of flowers on the market: petunias. In this year's trial gardens, one area we were particularly interested in learning about was the performance of breeders' petunia series. Consumers love unique-colored petunias, but these plants don't always exhibit ideal performance or habit. In our trial gardens this summer, we studied novel petunias within series known for excellent performance to determine whether any performance variations existed between varieties within four popular series available in our catalog: Headliner™, Cascadias™, Sanguna® Patio, and AMORE™.

We have been watching all of these petunias since they were stuck in the greenhouse and throughout (and beyond!) the summer.

Our trials confirmed that these series provide excellent options for growers looking for novel petunias AND a reliable habit and summer performance. As you're beginning to make selections for 2021, look at the series performance and select the colors, patterns, and styles from the series that best suit your growing needs.

Headliner™ Series

Known as a medium-vigor series, the Headliner™ Series from Selecta One North America features large flowers, a mounded habit, early flowering, and a fast finish. In our 2021 catalog you'll find pictured varieties Raspberry Star, Blueberry Swirl, and Dark Saturn, as well as other Headliner™ varieties. You can confidently select any of their colors and patterns, knowing that Headliner flower timing and habit are excellent selections for eye-catching pots and baskets.



Cascadias™ Series

The Cascadias™ Series from Danziger Annuals & Perennials offers growers trailing petunias that will cascade over the sides of baskets, making them ideal team players in combinations. Danziger varieties are known for heat tolerance, and we can confirm from our trial gardens that the Cascadias™ Series varieties held up to record Michigan heat and sun. You're also sure to love the variety of vibrant colors available in this series — Purple Gem, Bicolor Cabernet, Indian Summer, Rim Magenta, and Autumn Mystery.



Sanguna® Patio

Petunia Sanguna® Patio series from Syngenta features a compact, controlled, and upright habit perfect for high density production in smaller containers. These are known as an “awesome early” variety, and it's true! You can count on this series to provide your first, full, and in-flower varieties. Radiant Rose and Dark Blue offer truly unique flower colorations on compact plants that thrive all summer!



AMORE™ Series

What's not to love about the star-flowered AMORE™ Series from Danziger Annuals & Perennials. This series features unique heart-shaped flower patterns, early flowering, and a mounded habit. You'll love the full color range and dependable grower-friendly habit this petunia series offers: Amore Queen of Hearts, Amore Purple, Amore Pink Heart, Amore Fluttering Heart, and Amore Fiesta.



Extensive trials of these petunia series confirm this: these series offer reliable habits, taking the guesswork out for growers. Growers, you can select patterns and colors to meet your needs:

- If you are looking for unique colors and patterns in a trailing petunia, choose Cascadia.
- If you are looking for upright and mounded habits choose Amore and Sanguna Patio.
- Headliner is a crossover that can work in either application.

Comparing Yellow Petunias

In addition to the breeders' series, this year the biggest talk in petunias was color saturation with the launch of Bee's Knees from Ball FloraPlant. Just like we evaluated breeders' series and uniformity in this year's garden, we were also able to evaluate all the different yellow petunias currently on the market.



Left to Right:

Sanguna® Yellow from Syngenta Flowers

ColorBlitz™ Yellow from Ball FloraPlant

Headliner™ Yellow from Selecta One

SCOOP® Lemon Ice from Danziger

Dekko™ Banana from Syngenta Flowers

Bee's Knees from Ball FloraPlant

The Mast Young Plants' trial garden advantage helps you select and grow with confidence.

AAS TRIAL AREA STANDOUTS

Our annual AAS Trial proved again that these are outstanding performers, with visitors consistently rating these as favorites from July through September.



Rudbeckia American Gold Rush
by Intrinsic Perennial Gardens



Echinacea Sombrero® Baja Burgundy
by Darwin Plants





*SEE YOU
IN 2021!*



MAST
YOUNG PLANTS

Learn More at www.MastYoungPlants.com