

ALL SEED, ALL SEASONS, ALL PROVEN, ALL YOU NEED

2019 COLLECTION

Introducing NEW cool-season combos with Cool Wave® pansies and NEW warm-season combos!





20 on-trend Plug & Play newcomers expand the lineup of easy, fresh and fun combos that deliver. We're excited to offer first-ever coolseason combos featuring Cool Wave pansies. And to answer the big demand for heat lovers, you'll also find all-new warm-season combos perfect for Summer performance.

The Plug & Play program is built upon internal and external testing in multiple regions. This **fully vetted** collection of 80 Plug & Play combos serves up grab 'n go gardens that give today's consumer plenty of time to enjoy life!

Find all the program details at panamseed.com/PlugandPlay

Move seamlessly from plant to perfect

Every Plug & Play seed combo is tested over and over to prove that it delivers unstoppable performance from bench to store to garden. Trialing in saleable sizes begins in our research greenhouses and in our outdoor Summer containers. But we don't stop there - every potential introduction heads out to commercial greenhouses and to real-life gardens for intense testing. It's only when our customers give the combos they've seen in action two thumbs up that they move into the lineup.

GOOD FOR GROWERS: EASY, ECONOMICAL PRODUCTION

- Superior, high-impact genetics plus recipe and culture support.
- Programmable finish times to hit store set dates.
- You're always in complete control of when to sow, grow and ship.

GOOD FOR RETAILERS: BIG RETAIL SHOWS = BIG SALES

- Ready-to-use options from value priced to upscale designer blends.
- On-trend colors that sell.
- The perfect magnet for repeat shoppers!

GOOD FOR CONSUMERS: CHOICES FOR SPRING, SUMMER & FALL

- Easy, grab 'n go gardens appeal to today's shopper.
- Lots of instant, long-lasting, multi-color blooms.
- Balanced, attractive combos to enhance every décor.

Flying the Flag - A Wave Plug & Play Combo

MORE SEASONS. MORE CHOICES. MORE SALES!

PLUG & PLAY FUSEABLES®

VALUE

FUSEABLES

"Easy-sow, easy-grow" Precision™ Multi-Pellets offer the only combo program from a single pellet. You'll grow and sell more consistent and better looking mixes. **p. 6, 7, 10 & 22**



COOL WAVE FUSEABLES

NEW FOR 2019: Pump up coolseason sales with the best-performing spreading pansy for Spring and Fall starring in 2 outstanding combos that you start with our Precision Multi-Pellets. **p. 7**



WAVE® FUSEABLES

Packs a double punch - beautiful, balanced combos featuring the most-asked-for flower brand! They're perfect for main-season programs and supported by Wave marketing and merchandising. **p. 11 & 12**

PREMIUM

PREMIUM ANNUAL FUSEABLES

Our proven single-input Fuseables open up a new category, with Kabloom™ seed calibrachoa components. Easy and efficient growing with premium results! **p. 18**



Revolutionary Fuseables Precision Multi-Pellets...



flow right through your seeder...



transform into "easy-sow, easygrow" plugs...



to grow greatlooking, balanced combos that sell!

PLUG & PLAY COMBOS

VALUE

SINGLE-SPECIES PLUG & PLAY COMBOS

NEW FOR 2019: The focus is on sure success with 6 simple yet vibrant, heat-loving combos - 3 feature constant-color Lucky Star® pentas and 3 show off Titan™, Valiant™ and NEW Tattoo™ vinca. p. 25 & 26

BETTER

COOL WAVE PLUG & PLAY COMBOS

NEW FOR 2019: Stand way above the crowd in Spring and Fall with the *fastest-growing, longest-lasting, truly trailing pansy* adding a designer look to cool-season baskets and pots. **p. 8**

BETTER

WAVE PLUG & PLAY COMBOS

Grow good-looking, well-balanced, all-Wave mixes in one pot...without a royalty! They're easy to make and easier to sell with recognized Wave branding. **p. 12-20**

PREMIUM

PLUG & PLAY COMBOS WITH PREMIUM ANNUALS, VEGETABLES & HERBS

NEW FOR 2019: Dramatic good looks and dependable performance meet or beat their vegetative counterparts. Eight new Summer combos featuring popular and unique seed items like Serena® and Serenita® angelonia, Zahara® zinnia and Purple Prince alternanthera make a big statement at retail and on home patios. These "premium" standouts deliver endcap or front-of-store appeal, with several offering built-in Wave recognition. Annuals p. 27 & 28, Vegetables & Herbs p. 23

PREMIUM

PLUG & PLAY COMBOS WITH PERENNIALS

Set yourself apart with proven, programmable combos featuring first-year-flowering, mid-season varieties. Elegant and textured containers are perfect for Summer and Fall sales. p. 29 & 30

Planning and purchasing just got easier - you'll find all 80 combos in the handy, all-in-one Seasonal Selection Guide on **p 4 & 5.**

Find product & growing info at panamseed.com/PlugandPlay

PanAmerican Seed.

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seasonal selection quide

СОМВО NAME	PAGE	СОМВО ТҮРЕ	SEASON	PRICE POINT
Sunglow (Viola)	7	Fuseables	Early Spring	Value
Sunset Boulevard (Viola)	7	Fuseables	Early Spring	
Wine Cooler (Viola/Alyssum)	6	Fuseables	Early Spring	
NEW Flower Date	7	Cool Wave Fuseables	Early Spring	Better
NEW Sunny Skies	7	Cool Wave Fuseables	Early Spring	Better
NEW Ocean Breezes	8	Cool Wave Plug & Play Combo	Early Spring	Better
NEW On a Clear Day	8	Cool Wave Plug & Play Combo	Early Spring	Better
NEW Purple Sunset	8	Cool Wave Plug & Play Combo	Early Spring	Better
NEW Yellow Heaven	8	Cool Wave Plug & Play Combo	Early Spring	Better
Blueberry Lime Jam (Petunia)	10	Fuseables	Spring	
Lime Coral (Petunia)	10	Fuseables	Spring	
Pleasantly Blue (Petunia)	10	Fuseables	Spring	
Utopia (Bacopa)	10	Fuseables	Spring	Value
Blue Dawn	11	Wave Fuseables	Spring	Better
Healing Waters	11	Wave Fuseables	Spring	Better
Ooh La La	11	Wave Fuseables	Spring	Better
Rise N Shine	11	Wave Fuseables	Spring	Better
Silk N Satin	12	Wave Fuseables	Spring	Better
Strawberry Wine	12	Wave Fuseables	Spring	Better
After Dark	15	Wave Plug & Play Combo	Spring	Better
Beach Party	18	Wave Plug & Play Combo	Spring	Better
Blue Hawaii	17	Wave Plug & Play Combo	Spring	Better
Coco Colada	17	Wave Plug & Play Combo	Spring	Better
Dusk to Dawn	15	Wave Plug & Play Combo	Spring	Better
Evening in Rio	16	Wave Plug & Play Combo	Spring	Better
Firecracker	14	Wave Plug & Play Combo	Spring	Better
Fly Me to the Moon	15	Wave Plug & Play Combo	Spring	Better
Flying the Flag	12	Wave Plug & Play Combo	Spring	Better
Lovin' It	14	Wave Plug & Play Combo	Spring	Better
Mad About Red	13	Wave Plug & Play Combo	Spring	Better
O Canada	18	Wave Plug & Play Combo	Spring	Better
Opposites Attract	16	Wave Plug & Play Combo	Spring	Better
Red, White & Blues	17	Wave Plug & Play Combo	Spring	Better
Rosy Kisses	14	Wave Plug & Play Combo	Spring	Better
Royal Passion	14	Wave Plug & Play Combo	Spring	Better
Seeing Stars	15	Wave Plug & Play Combo	Spring	Better
Subtle Perfection	13	Wave Plug & Play Combo	Spring	Better
Surfin' Safari	16	Wave Plug & Play Combo	Spring	Better
Sweetheart	13	Wave Plug & Play Combo	Spring	Better
The Flag	17	Wave Plug & Play Combo	Spring	Better

seasonal selection guide

СОМВО NAME	PAGE	СОМВО ТУРЕ	SEASON	PRICE POINT
Twinkle Twinkle	16	Wave Plug & Play Combo	Spring	Better
Very Valentine	12	Wave Plug & Play Combo	Spring	Better
Paradise Island (Calibrachoa)	18	Fuseables	Spring	Premium
Poppin' in the Sun	19	Plug & Play Combo	Spring	Premium
Coral Lights	20	Wave Plug & Play Combo	Spring	Premium
Fire N Nice	19	Wave Plug & Play Combo	Spring	Premium
Lemon Dream	20	Wave Plug & Play Combo	Spring	Premium
Puttin' on the Pink	19	Wave Plug & Play Combo	Spring	Premium
Razzle Dazzle	20	Wave Plug & Play Combo	Spring	Premium
Royal Sparkler	19	Wave Plug & Play Combo	Spring	Premium
Chocolate Symphony (Coleus)	22	Fuseables	Spring/Summer	Value
Under the Sun (Coleus)	22	Fuseables	Spring/Summer	Value
Twisted Arrows (Juncus)	22	Fuseables	Spring/Summer	Value
Twisted Dart (Juncus)	22	Fuseables	Spring/Summer	Value
Cantina Heat	23	Plug & Play Combos with Vegetables and Herbs	Spring/Summer	Premium
Foodie Blues	23	Plug & Play Combos with Vegetables and Herbs	Spring/Summer	Premium
Italian Bistro	23	Plug & Play Combos with Vegetables and Herbs	Spring/Summer	Premium
Lunch Date	23	Plug & Play Combos with Vegetables and Herbs	Spring/Summer	Premium
NEW Christmas in July (Pentas)	25	Single-Species Plug & Play Combo	Summer	Value
NEW Shining Stars (Pentas)	25	Single-Species Plug & Play Combo	Summer	Value
NEW Star Bright (Pentas)	25	Single-Species Plug & Play Combo	Summer	Value
NEW Airbrush'd (Vinca)	26	Single-Species Plug & Play Combo	Summer	Value
NEW Berry Burst (Vinca)	26	Single-Species Plug & Play Combo	Summer	Value
NEW Summer Smoothie (Vinca)	26	Single-Species Plug & Play Combo	Summer	Value
NEW Ink'd	27	Plug & Play Combo	Summer	Premium
NEW Peach Melba Parfait	27	Plug & Play Combo	Summer	Premium
NEW Seaside Delight	27	Plug & Play Combo	Summer	Premium
NEW Summer Candy	27	Plug & Play Combo	Summer	Premium
NEW Berry Sparkler	28	Plug & Play Combo	Summer	Premium
NEW Cherry Jam	28	Plug & Play Combo	Summer	Premium
NEW Sun Jewels	28	Plug & Play Combo	Summer	Premium
NEW Yellow Tambourine	28	Plug & Play Combo	Summer	Premium
Amazon Rain Forest	30	Plug & Play Combos with Perennials	Summer	Premium
Bali Hai	29	Plug & Play Combos with Perennials	Summer	Premium
Paris in Springtime	29	Plug & Play Combos with Perennials	Summer	Premium
Passion for Pompeii	30	Plug & Play Combos with Perennials	Summer	Premium
Roman Holiday	29	Plug & Play Combos with Perennials	Summer	Premium
Sydney Sparkler	30	Plug & Play Combos with Perennials	Summer	Premium
Tuscan Sun	29	Plug & Play Combos with Perennials	Summer	Premium
Very Vesuvius	30	Plug & Play Combos with Perennials	Summer	Premium

early spring

It's early and they're craving color.
Offer good-looking, cool-season
Plug & Play
combos in fresh, cheery tones!

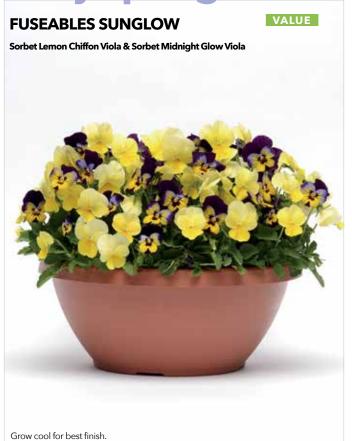
Fuseables

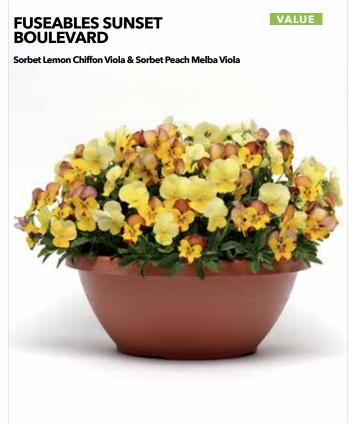
NEW Cool Wave Fuseables

NEW Cool Wave Plug & Play Combos

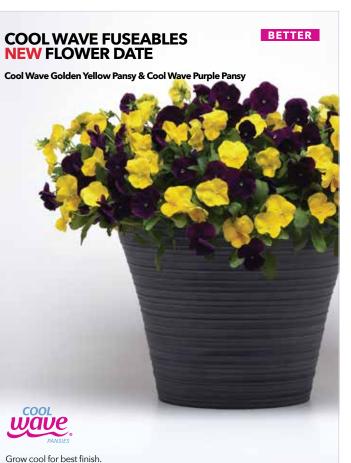








Grow cool for best finish.

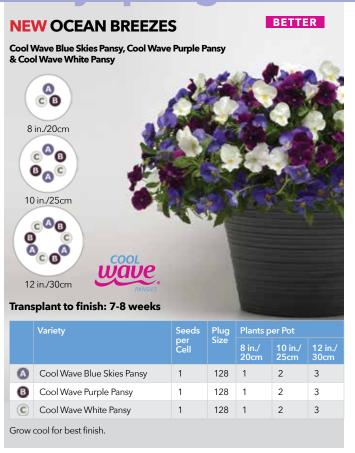


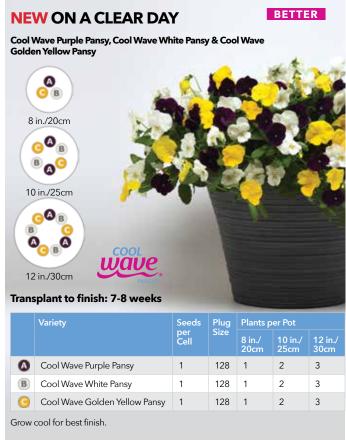


preferred distributor

PanAmerican Seed.

<u>spring</u>







			Plug	Plants per Pot			
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	
0	Cool Wave Purple Pansy	1	128	1	2	3	
0	Cool Wave Golden Yellow Pansy	1	128	1	2	3	
G	Cool Wave Blue Skies Pansy	1	128	1	2	3	

Grow cool for best finish

Grow cool for best finish.

All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary. NOTE: Individual varieties sold separately.



Spring has really sprung now!
Plug & Play offers combos for every gardener's taste.

Fuseables

Wave Fuseables

Premium Annuals Fuseables

Plug & Play Combos with Premium Annuals

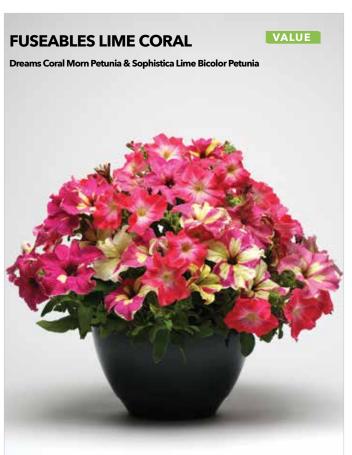
Wave Plug & Play Combos



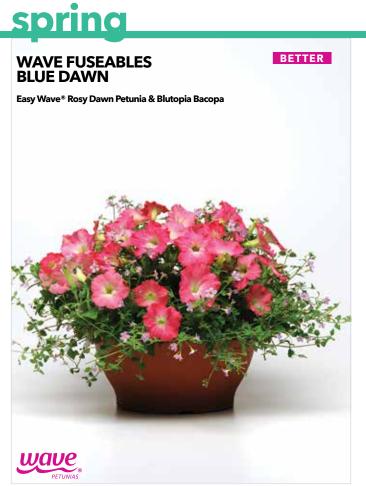


Order now from your preferred distributor

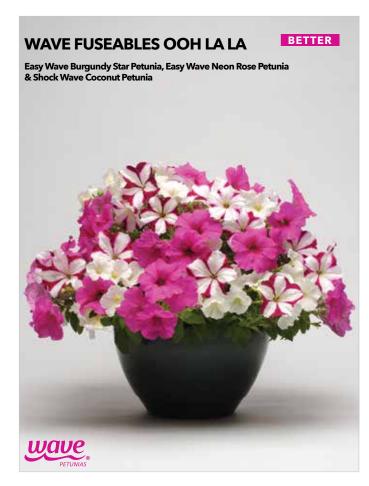


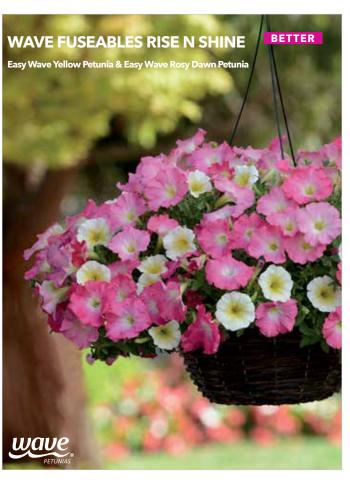








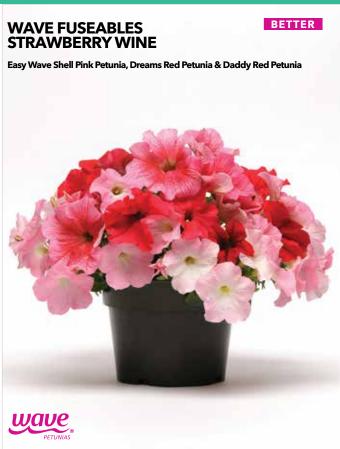




PanAmerican Seed.

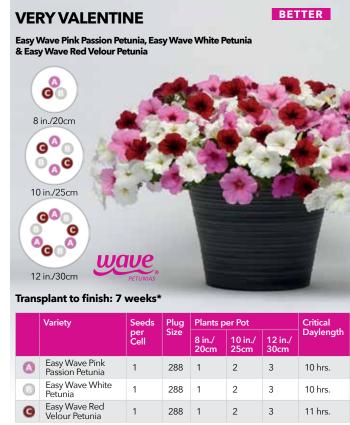








irans	ransplant to linish: 7 weeks						
	Variety	Seeds	Plug	Plants p	er Pot		Critical
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
Ø	Easy Wave Red Velour Petunia	1	288	1	3	4	11 hrs.
0	Easy Wave White Petunia	1	288	1	2	3	10 hrs.
G	Combo Blue Petunia	1	288	1	2	3	10.5 hrs.



^{*}Timing assumes the use of daylength extension or lighted plugs where needed, and active growing temperatures.

All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary.

NOTE: Individual varieties sold separately.







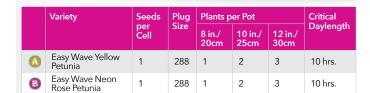
12 in./30cm

G Combo Blue Petunia

Transplant to finish: 7 weeks*

Easy Wave Neon





288 1

2

10.5 hrs.

wave

BETTER **ROSY KISSES** Easy Wave Yellow Petunia, Easy Wave Rosy Dawn Petunia & Shock Wave Deep Purple Petunia **89** 8 in./20cm O_OO 10 in./25cm **G**AB O B wave 12 in./30cm Transplant to finish: 7 weeks*

	•						
	Variety	·		er Pot		Critical	
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
A	Easy Wave Yellow Petunia	1	288	1	2	3	10 hrs.
B	Easy Wave Rosy Dawn Petunia	1	288	1	2	3	10 hrs.
G	Shock Wave Deep Purple Petunia	1	288	1	2	3	10.5 hrs.



manaplant to milan. 7 weeks							
	Variety	Seeds				Critical	
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
(4)	Shock Wave Coral Crush Petunia	1	288	1	2	3	10 hrs.
8	Shock Wave Denim Petunia	1	288	1	2	3	10 hrs.
G	Shock Wave Deep Purple Petunia	1	288	1	2	3	10.5 hrs.



FLY ME TO THE MOON

BETTER

BETTER

10.5 hrs.

Easy Wave Burgundy Velour Petunia, Easy Wave White Petunia & Easy Wave Neon Rose Petunia



O i	n./20cm A G B D D D D D D D D D D D D D D D D D D					W.	ave PETUNIAS	(Ti 7
ŀ	Variety	Seeds	Plug	Plants p	er Pot		Critical	
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength	
	Easy Wave Burgundy Velour Petunia	1	288	1	2	3	10.5 hrs.	
	Ctarna							

DUSK TO DAWN Easy Wave Plum Vein Petunia & Shock Wave Pink Vein Petunia

0

0

10 hrs.



288 2

3

4



288 1

	Variety			Plants p	Plants per Pot			
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength	
۵	Easy Wave Burgundy Velour Petunia	1	288	2	3	4	10.5 hrs.	
0	Easy Wave Neon Rose Petunia	1	288	2	3	4	10 hrs.	



	Variety	Seeds	Plug				Critical
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
۵	Easy Wave Burgundy Star Petunia	1	288	2	3	4	10 hrs.
3	Easy Wave Neon Rose Petunia	1	288	2	3	4	10 hrs.

^{*}Timing assumes the use of daylength extension or lighted plugs where needed, and active growing temperatures.

All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary.

NOTE: Individual varieties sold separately.



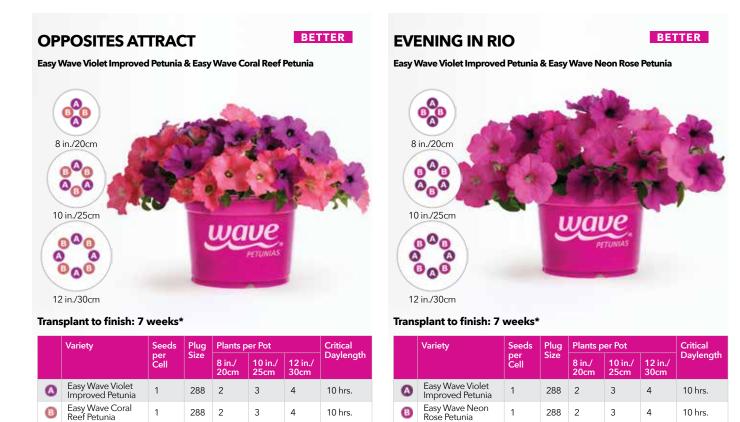


Transplant to finish: 7 weeks*							
	Variety	Seeds	Plug	Plants p	Plants per Pot		
		per Cell	Size	8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
(A)	Shock Wave Coral Crush Petunia	1	288	2	3	4	10 hrs.
B	Shock Wave Denim Petunia	1	288	2	3	4	10 hrs.



Transplant to finish: 7 weeks*

Cell 8 in./ 10 in./ 12 in./ 20cm 25cm 30cm	length
= 111	
Easy Wave Burgundy Star 1 288 2 3 4 10 Petunia	nrs.
B Shock Wave Coconut Petunia 1 288 2 3 4 10.5	5 hrs.



*Timing assumes the use of daylength extension or lighted plugs where needed, and active growing temperatures.
All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary
NOTE: Individual varieties sold separately.
' '

4

3

10 hrs.

288 2



Transplant to finish: 7 weeks*

	Variety	Seeds per Cell	Plug Size	Plants p	Critical		
				8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
<u>()</u>	Shock Wave Coconut Petunia	1	288	2	3	4	10.5 hrs.
0	Shock Wave Coral Crush Petunia	1	288	2	3	4	10 hrs.



288 1

10.5 hrs.

10 hrs.

10 hrs.

3

4

3

per Cell

Shock Wave Coconut Petunia

❸

Shock Wave Denim Petunia

Shock Wave Red



	Variety	Seeds per Cell	Plug Size	Plants per Pot			Critical
				8 in./ 20cm	10 in./ 25cm	12 in./ 30cm	Daylength
Ø	Easy Wave Red Improved Petunia	1	288	1	2	3	10 hrs.
0	Easy Wave White Petunia	1	288	1	2	3	10 hrs.
G	Easy Wave Blue Petunia	1	288	1	2	3	10.5 hrs.



288 2

4

3

288 2

10 hrs.

spring







288 2

10 hrs.

10 hrs.

4

3

Shock Wave Denim

Shock Wave Pink

Shades Petunia

(3)





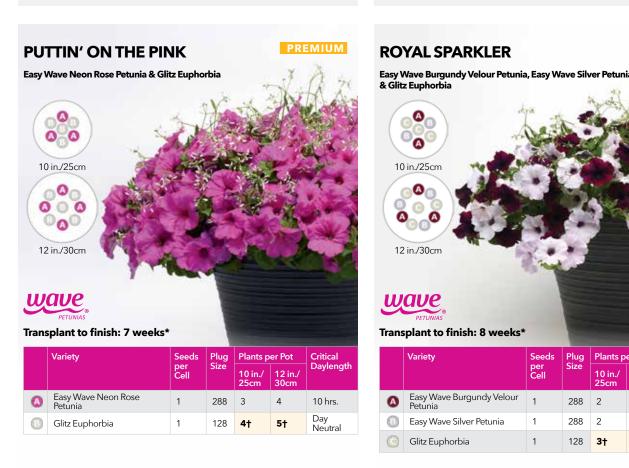


PREMIUM

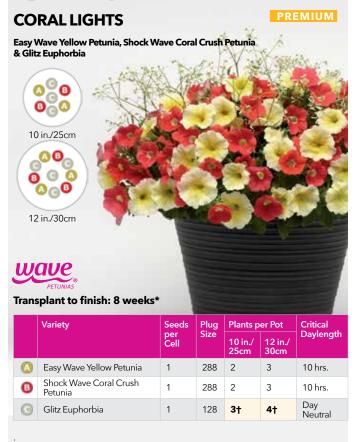
12 in.

10.5 hrs.

10 hrs.



^{*}Timing assumes the use of daylength extension or lighted plugs where needed, and active growing temperatures. †Note additional input needed in center of pot. All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow times will vary. NOTE: Individual varieties sold separately.







Shear Calibrachoa plug.

Shear Calibrachoa plug.

Give them color! Give them taste! Give them texture! These Plug & Play combos deliver loads of shopper satisfaction.

Fuseables

Plug & Play Combos with Vegetables & Herbs



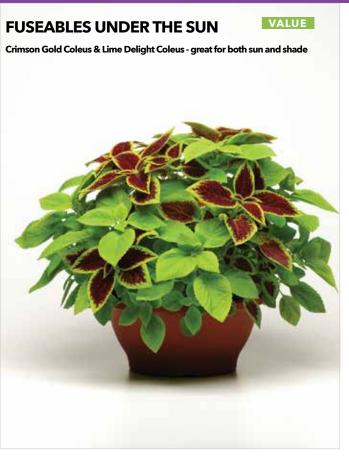


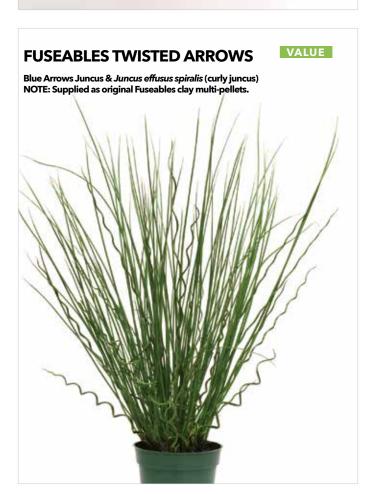
Order now from your preferred distributor

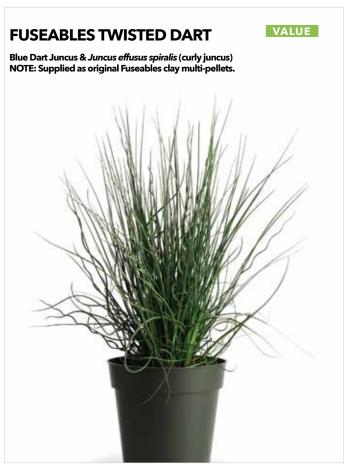
^{*}Timing assumes the use of daylength extension or lighted plugs where needed, and active growing temperatures. †Note additional input needed in center of pot. All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow times may vary. NOTE: Individual varieties sold separately.

spring/summer

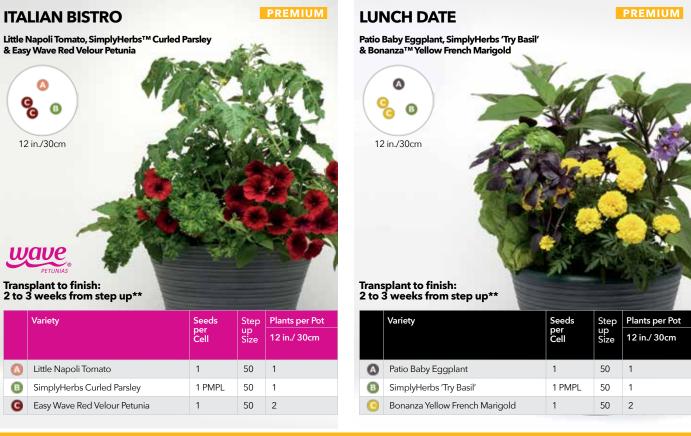
FUSEABLES CHOCOLATE SYMPHONY Chocolate Mint Coleus & Lime Delight Coleus - an easy combo for shade



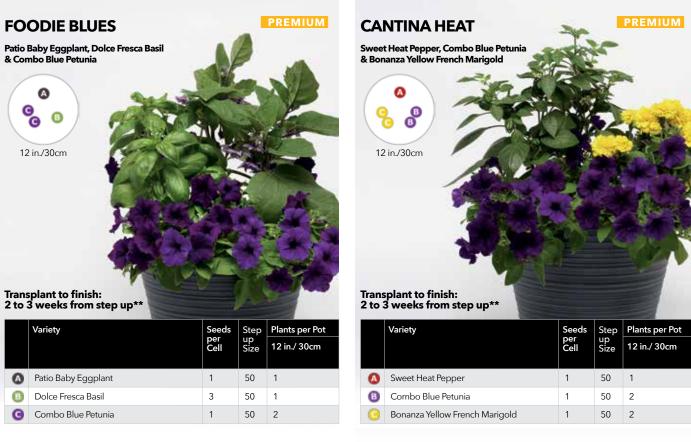




spring/summer



A NEW OPPORTUNITY: COMBOS GOOD ENOUGH TO EAT!



^{**}Timing assumes correct daylength and active growing temperatures; finish for late Spring/Summer.

All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow times will vary.

NOTE: Individual varieties sold separately.

summer

Gardeners are still going strong - give them fresh, fun Plug & Play combos to enjoy all through the season!

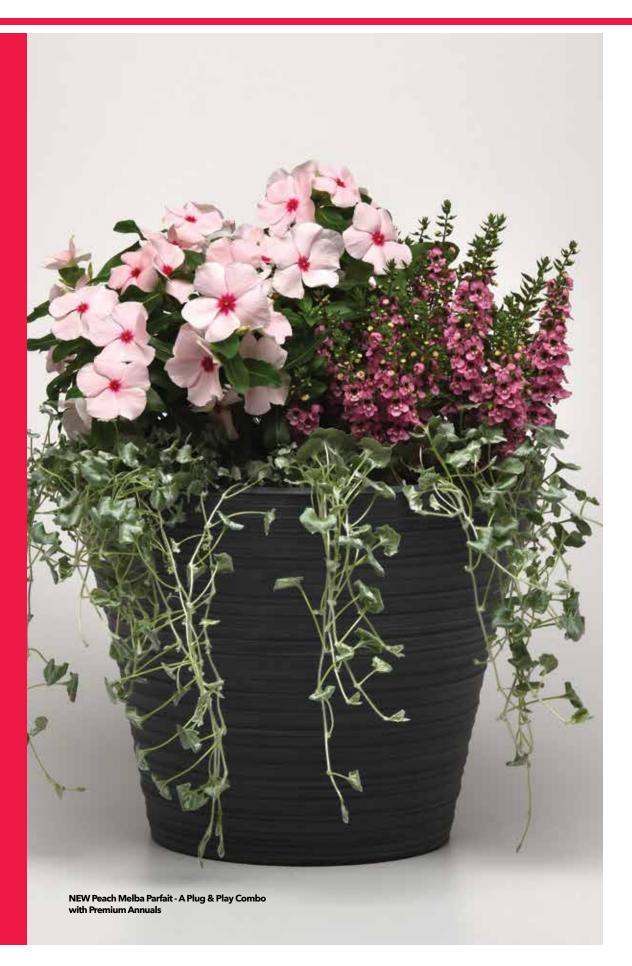
Single-Species Plug & Play Combos

Plug & Play Combos with Premium Annuals

Plug & Play Combos with Perennials



Order now from your preferred distributor



summer







All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary. NOTE: Individual varieties sold separately.

summer

Titan Rose Halo Vinca

summer

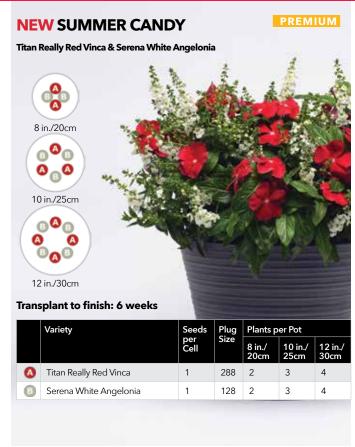


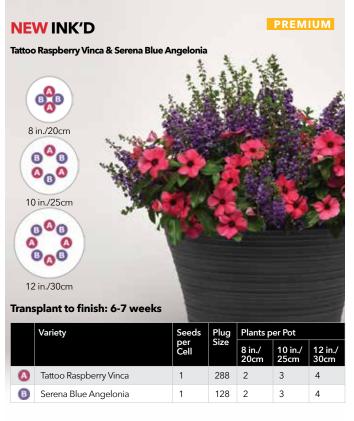
288













All varieties in each Plug & Play combo must be transplanted at the same time in order to finish at the same time. Sow dates may vary. NOTE: Individual varieties sold separately.

summer







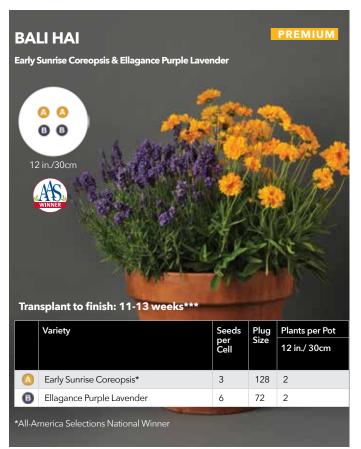


Treat Alternanthera plugs with 0.5 ppm paclobutrazol drench 1 week before transplant.









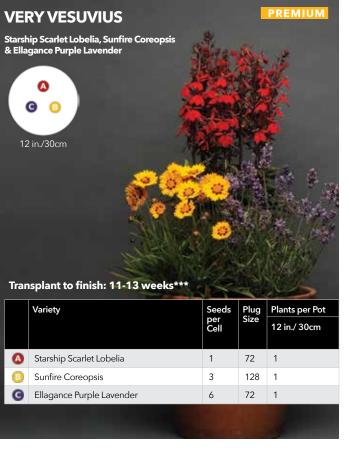


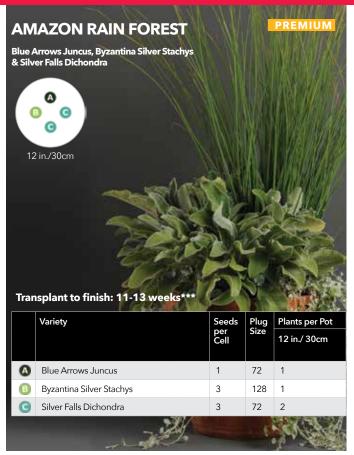
PanAmerican Seed.

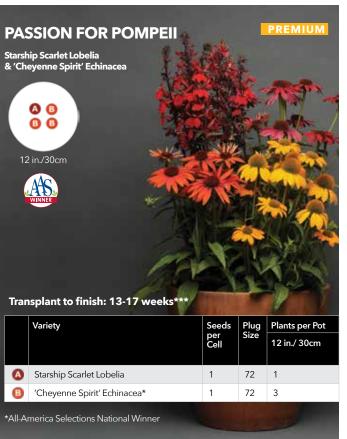
^{***} Timing assumes correct daylength and active growing conditions.

All varieties in each Plug & Play combo must be transplanted at the same time to finish at the same time. Sow times will vary. NOTE: Individual varieties sold separately.

key tips









*** Timing assumes correct daylength and active growing conditions. All varieties in each Plug & Play combo must be transplanted at the same time to finish at the same time. Sow times will vary. NOTE: Individual varieties sold separately.

Start out right!

The first step in defining the Plug & Play combination pot starts on the planting line. Follow the recipes and planting diagrams for best success. Plug size, number and planting position are key.

PLUG SIZE: Every Plug & Play recipe takes each ingredient's growth rate and flower timing into consideration. Larger inputs are used when necessary to obtain the best balance of growth and flowering.

PLUG NUMBER: It is important to use the right ratio of inputs, just as with vegetative intermingled combos. The correct number of plugs per component leads to the best balanced combination finish. Note that there is an additional input needed in the center of the pot in some mixes in this collection.

PLUG POSITIONING: Plant your plugs halfway between the middle of the pot and the rim. A tight circle of plugs is key to getting the intermingled look desired in a multi-plant combination. Planting at the rim results in a "clumpy," less intermingled look. All varieties in each Plug & Play combo are transplanted at the same time in order to finish at the same time. Sow times may vary.

NOTE: In multi-species combos, shear Kabloom Calibrachoa and Combo Blue Calibrachoa plugs before transplanting.

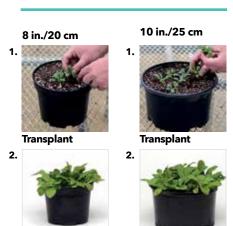
Easy does it!

Next up is PGR application, specifically for multi-species combinations.

We recommend the following for the best-toned and fully mixed multi-species combination finish.

PGRS*: Daminozide spray at 2,500 to 5,000 ppm (depending on your conditions) 1 week after transplant, followed by a second daminozide spray 7 to 10 days later. Daminozide will allow the axils to expand, versus a paclobutrazol treatment, which can lock up axillary branching. The result is controlled growth early, while still allowing good branching for the combination's development.

When plants grow to the rim and begin to fill the pot, switch to a repeated low-rate paclobutrazol drench at 1 to 2 ppm (depending on your conditions). Go easy - too high a rate for the paclobutrazol drench can stop the non-petunia components and lead to a bad mix result.



After 3 weeks

3.

3.

After 3 weeks

After 6 weeks

After 6 weeks

PanAmerican Seed.

622 Town Road, West Chicago, IL 60185-2698 USA

Talk to your preferred supplier today to order Fuseables Precision Multi-Pellets and seed and plugs for all the Plug & Play combo varieties.

630 231-1400 or 800 231-7065 panamseed.com/PlugandPlay



Plug & Play now includes 20 new coolseason and warm-season choices...more great ways to expand your combo program!

