

Cultural Information



Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
ARTIST® <i>Ageratum</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Early Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Last to go outside
ANGELFACE® <i>Angelonia</i>	Vigor 3	5.8 - 6.2/6 -9	65-72° F (18-22° C)	70-75° F (21-24° C)	60-65° F (16-18° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-8; for 8", 7-9; for 10-12", 10-14	Do not finish outside
BUTTERFLY <i>Argyranthemum</i>	Vigor 3	5.8 - 6.2/6 -9	65-72° F (18-22° C)	60-65° F (16-18° C)	40-50° F (4-10° C) outdoors	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-8; for 8", 7-9; for 10-12", 10-14	First to go outside
SILVER BULLET® <i>Artemisia</i>	Vigor 3	5.8 - 6.5/6 -9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 8-10	First to go outside
Asparagus Fern <i>Asparagus</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Moderate to Moist	Spring to Summer Finish. Standard Plants Per Container.	For 4-5" and QT, 5-6; for 6"/gallon, 7-9	Do not move outside until all danger of frost is past
DOUBLE DELIGHT® and SOLENIA® <i>Begonia</i>	Vigor 2	5.5 - 6.2/6 -9	70-75° F (21-24° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Dry to Moderate	Spring to Summer Finish. Standard Plants Per Container.	For 4-5", 6-8; for 6"/gallon, 6-8; for 10-12", 8-12	Do not move outside until all danger of frost is past
DOUBLE UP™ <i>Begonia</i>	Vigor 2	5.5 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Dry to Moderate	Spring to Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 6-8; for 10-12", 10-12	Do not move outside until all danger of frost is past
PEGASUS® <i>Begonia</i>	Vigor 3	5.5 - 6.0 /6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Dry to Moderate	Spring to Fall Finish.	For 4-5", 5-7; for quarts, 6-8; for 6"/gal, 7-9; for 10-12". 10-12	Do not move outside until all danger of frost is past
SPACE AGE™ <i>Begonia rex</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-68° F (18-20° C)	Dry to Moderate	Spring to Winter Finish. Standard Plants Per Container.	For 4-5", 7-9; for 6"/gallon, 10-12; for 10". 12-14;	Do not move outside until all danger of frost is past
SUREFIRE® <i>Begonia</i>	Vigor 4	5.5 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C) outdoors	Dry to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 6-8; for 8", 7-9; for 10-12", 10-12	Do not move outside until all danger of frost is past
CAMPFIRE® series and GOLDILOCKS ROCKS® <i>Bidens</i>	Vigor 2 Vigor 3	5.8 - 6.2/6 -9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Second to go outside
ENDLESS™ <i>Browallia</i>	Vigor 2	6.5 - 7.5/6 -9	70-85° F (21-29° C)	70-85° F (21-29° C)	70-85° F (21-29° C)	Moderate to Moist	Late Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 6-9; for 8", 8-9; for 10-12", 9-13	Last to go outside

VIGOR KEY – 1 to 4, with 1 representing the slower, smaller growers and 4 representing the quickest, largest growers. For combinations, choose varieties with the same vigor rating to ensure success.

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
SUPERBELLS® <i>Calibrachoa</i>	Vigor 2	5.5 - 5.8/6 -9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Second to go outside
LADYBIRD® <i>Calylophus</i>	Vigor 1	5.5 - 5.8/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	40-50° F (4-10° C)	Dry to Moderately Dry	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 6-7; for 6"/gallon, 7-9; for 10-12", 10-12	Second to go outside
TOUCAN® <i>Canna</i>	Vigor 4	6.2 - 7.0/1.0 -2.0	75-85° F (24-30° C)	75-85° F (24-30° C)	65-72° F (18-22° C)	Moist	Late Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 6-8; for 6"/gallon, 6-8; for 8", 8-10; for 10-12", 10-12	Do not move outside until all danger of frost is past
'Variegatum' <i>Chlorophytum comosum</i>	Vigor 2	6.0 - 6.5/6 -8	68-72° F (20-22° C)	65-70° F (18-21° C)	50-55° F (10-13° C)	Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 6-8; for 6"/gallon, 8-9; for 8", 11-12	Last to go outside
FLAMBE® Yellow <i>Chrysocephalum</i>	Vigor 2	6.0 - 6.5/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Dry to Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 6-8; for 8", 8-10; for 10-12", 10-12	Do not move outside until all danger of frost is past
SEÑORITA <i>Cleome</i>	Vigor 4	5.8 - 6.2/1.0 - 2.0	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Dry to Moderate	Mid-Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 8-10; for 8", 8-10; for 10-12", 10-12	Do not move outside until all danger of frost is past
'Coffee Cups' and HEART OF THE JUNGLE® <i>Colocasia</i>	Vigor 3	5.8 - 6.2/6 -9	70-75° F (21-24° C)	70-75° F (21-24° C)	50-60° F (10-16° C)	Moderate to Moist	Spring to Summer Finish. Standard Plants Per Container.	For QT, 7-9; for 6"/gallon, 9-11; for 14", 13-15	Do not move outside until all danger of frost is past
VERMILLIONAIRE® <i>Cuphea</i>	Vigor 3	6.0 - 6.5/6 -9	65-72° F (18-22° C)	70-75° F (21-24° C)	50-60° F (10-15° C) outdoors	Moderate to Moist	Late Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 8-10; for 10-12", 10-12	Last group to go outside
TOTALLY TEMPTED™ <i>Cuphea procumbens</i>	Vigor 3	5.8 - 6.2/6 -9	68-72° F (20-22° C)	70-78° F (21-26° C)	65-72° F (18-22° C)	Dry to Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 8-9; for 6"/gallon, 8-9; for 8-12" 8-9	Do not move outside until temps are above 50°F (10°C)
MYSTIC Illusion <i>Dahlia</i>	Vigor 3	5.8 - 6.2/8 -1.2	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-15° C)	Moderate to Moist	Early Spring to Summer Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 6-8; for 8", 8-10; for 10-12", 10-12	Do not finish outside
VIRTUOSO™ <i>Dahlia variabilis</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	60-65° F (15-18° C)	Moderate to Dry	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 6-7; for 8", 8-9; for 10-12", 10-12	Do not finish outside
SILVER FALLS™ <i>Dichondra</i>	Vigor 3	5.5 - 5.8/6 - 1.0	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Dry to Moderate	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 5-7; for 10-12", 7-10	Do not finish outside
DIAMOND FROST® DIAMOND SNOW® DIAMOND MOUNTAIN® <i>Euphorbia</i>	Vigor 3 Vigor 3 Vigor 4	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Moderate to Moist	Early Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not move outside until all danger of frost is past

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
BLUE MY MIND® BLUE MY MIND® XL <i>Evolvulus</i>	Vigor 2	6 - 6.9/.6 -.9	65-72° F (18-22° C)	70-75° F (21-24° C)	50-60° F (10-16° C) outdoors	Dry to Moderate	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 7-9; for 6"/gallon, 10-12; for 8", 10-12; for 10-12", 12-14	Last to go outside
STRATOSPHERE™ and KARALEE® <i>Gaura</i>	Vigor 3	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 6-8; for 6"/gallon, 7-10; for 8", 8-11; for 10-12", 12-14	First to go outside
TRUFFULA™ Pink <i>Gomphrena</i>	Vigor 4	6.0 - 6.5/0.6 - 0.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-9; for 10-12", 10-12	Do not move outside
GRACEFUL GRASSES® BABY TUT®, KING TUT® and PRINCE TUT™ QUEEN TUT™ <i>Cyperus</i>	Vigor 4 Vigor 3	6 - 6.5/.6 -.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-65° F (10-18° C)	Moderate to Moist	Early Spring through Summer Finish. Standard 1 liner per 6" container	For 4-5", 4-6; for 6"/gallon, 6-8; for 8", 7-9; for 10-12", 10-12	Do not finish outside
GRACEFUL GRASSES® BLUE MOHAWK® 'Curly Wurlly' <i>Juncus</i>	Vigor 2	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	65-72° F (18-22° C)	40-50° F (4-10° C)	Moist to Wet	Spring to Summer Finish. Standard Plants Per Container.	For 4-5" and QT, 4-6; for 6"/gallon, 6-8	Last to go outside
GRACEFUL GRASSES® 'Fireworks' Purple Fountain Grass 'Sky Rocket' VERTIGO® <i>Pennisetum</i>	Vigor 3 Vigor 3 Vigor 3 Vigor 4	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	70-75° F (21-24° C)	50-65° F (10-18° C) outdoors	Moderate to Moist	Spring to Fall Finish. Standard Plants Per Container.	For 4-5" and QT, 4-8; for 6"/gallon, 6-9 for 7-9", 8-10; for 10-12" and 2 gallon, 10-14	Do not move outside until all danger of frost is past
GRACEFUL GRASSES® Fiber Optic Grass <i>Scirpus</i>	Vigor 2	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	70-75° F (21-24° C)	50-65° F (10-18° C) outdoors	Moderate to Moist	Late Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-8; for 8", 7-9; for 10-12", 10-14	Do not move outside until all danger of frost is past
English Ivy <i>Hedera</i> Needlepoint	Vigor 2 Vigor 1	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	60-65° F (16-18° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5" and QT, 5-6; for 6"/gallon, 7-8	Last to go outside
SUNCREDBLE® <i>Helianthus</i>	Vigor 4	5.5 - 5.8/1.0 - 2.0	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 7-9; for 10" basket or 14" upright, 8-9	Second to go outside
Licorice Plant <i>Helichrysum</i> Icicles	Vigor 3 Vigor 2	6.0 - 6.5/.6 -.9	65-72° F (18-22° C)	65-72° F (18-22° C)	40-50° F (4-10° C)	Dry to Moderate	Spring through Summer Finish. Standard Plants Per Container.	For 4-5" and QT, 5-6; for 6"/gallon, 6-8	Last to go outside
AROMAGICA™ Purple AUGUSTA® Lavender <i>Heliotropium</i>	Vigor 3	6.0 - 6.5/.6 -.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 8-10; for 10-12", 10-12	Last to go outside
HIPPO® <i>Hypoestes</i>	Vigor 2	5.8 - 6.2/.6 -.9	65-72° F (18-22° C)	70-80° F (21-27° C)	65-70° F (10-18° C) outdoors	Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-9; for 8", 8-10; for 10-12", 10-12	Last to go outside
ROCKAPULCO® <i>Impatiens</i>	Vigor 2	5.8 - 6.2/.75 -.80	68-74° F (19-23° C)	65-75° F (18-24° C)	50-60° F (10-16° C)	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 6-9; for 6"/gallon, 7-9; for 8", 7-9; for 10-12", 10-12	Do not finish outside

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
ILLUSION® and Sweet Caroline <i>Ipomoea</i>	Vigor 3	6.0 - 6.5/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 6-8; for 8", 8-10; for 10-12", 10-12	Do not move outside until all danger of frost is past
Sweet Caroline Bewitched Green with Envy™, and Margarita	Vigor 4								
Sweet Caroline Upside™ <i>Ipomoea</i>	Vigor 4	6.0 - 6.5/6 -9	70-75° F (21-24° C)	70-75° F (21-24° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not move outside until all danger of frost is past
BETH'S BLUE® <i>Isotoma</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	50-65° F (10-18° C)	40-50° F (4-10° C)	Moderate to Moist	Early Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 5-6; for 6"/gallon, 8-9; for 8", 9-10; for 10-12", 10-12	First to go outside
SAFARI® <i>Jamesbrittenia</i>	Vigor 2	5.5-6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 7-9; for 10-12", 10-12	Last to go outside
PINK CHABLIS® <i>Lamium</i>	Vigor 3	6.0 - 6.5/6 -9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C)	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	First to go outside
LUSCIOUS® Vigor 3: BERRY BLEND™, CITRON™, CITRUS BLEND™, PINKBERRY BLEND™, Marmalade, GOLDENGATE™ Vigor 2: Basket TANGEGLOW™, Grape, Royale Cosmo, Royale Piña Colada, Royale LEMON TART™ and Royale RED ZONE™ <i>Lantana</i>		5.8 - 6.2/6 -1.5	65-72° F (18-22° C)	70-75° F (21-24° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-9; for 8", 9-10	Do not finish outside
LAGUNA® <i>Lobelia</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	40-50° F (4-10° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Second to go outside
Goldilocks <i>Lysimachia</i>	Vigor 3	6.0 - 6.5/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 6-8; for 8", 8-10	First to go outside
WAIKIKI SUNSET® <i>Lysimachia</i>	Vigor 2	6.0 - 6.5/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 6-8; for 8", 8-10	First to go outside
BLUSHING PRINCESS®, SNOW PRINCESS®, VIOLET KNIGHT®, WHITE KNIGHT® <i>Lobularia</i>	Vigor 4 Vigor 3	6.0 - 6.5/6 -9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-55° F (4-12° C)	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	First to go outside
GOLDDUST® <i>Mecardonia</i>	Vigor 2	5.8 - 6.2/6 -9	65-72° F (18-22° C)	70-75° F (21-24° C)	70-75° F (21-24° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not finish outside
Big Leaf Creeping Wire Vine <i>Muehlenbeckia</i>	Vigor 2	6.0 - 6.5/6 -9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 6-8; for 8", 8-10	Last to go outside

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
SUNSATIA® <i>Nemesia</i>	Vigor 2	5.5 - 5.8/6-.9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C)	Dry to Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Second to go outside
Bluebird Improved and AROMANCE® <i>Nemesia fruticans</i>	Vigor 2	5.5 - 5.8/6-.9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	First to go outside
AMAZEL BASIL® <i>Ocimum</i>	Vigor 4	6.0 - 6.5/0.6 - 0.9	65-72° F (18-22° C)	65-72° F (18-22° C)	65-72° F (18-22° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 5-7; for 10-12", 7-9	Last to go outside
BRIGHT LIGHTS™ <i>Osteospermum</i>	Vigor 2	5.8 - 6.2/6-.9	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Dry to Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Last to go outside
CHARMED® Wine <i>Oxalis regnellii</i>	Vigor 1	5.8 - 6.2/6 -.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Early Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not finish outside
SUNSTAR® <i>Pentas</i>	Vigor 2	6.0 - 6.8/6 - .9	70-75° F (21-24° C)	70-75° F (21-24° C)	50-60° F (10-16° C)	Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 7-8; for 6"/gallon, 8-10; for 10" basket or 14" upright, 10-12	Do not move out unless temps are guaranteed to be 50-60° (10-16° C)
SUPERTUNIA® except Giant Pink and Vista <i>Petunia</i>	Vigor 3 Vigor 4	5.5 - 5.8/1.0 - 2.0	65-72° F (18-22° C)	55-65° F (12-18° C) outdoors	40-50° F (4-10° C)	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 8-10	First to go outside
INTENSIA® <i>Phlox</i>	Vigor 2	5.8 - 6.2/1.0 - 2.0	65-72° F (18-22° C)	55-65° F (12-18° C)	40-50° F (4-10° C) outdoors	Dry to Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Second to go outside
COLORBLAZE® Vigor 2: MINI ME™ Chartreuse and MINI ME™ Watermelon, Vigor 3: Royale APPLE BRANDY®, Royale CHERRY BRANDY®, Royale PINEAPPLE BRANDY®, LIME TIME®, VELVETEEN® Vigor 4: Dipt in Wine, El Brighto, GOLDEN DREAMS™, NEWLY NOIR™, REDICULOUS®, SEDONA SUNSET®, TORCHLIGHT®, Chocolate Drop, Cherry Drop, Strawberry Drop, WICKED HOT® and WICKED WITCH™ <i>Coleus</i>		6.0 - 6.5/0.6-0.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to High Standard Plants Per Container,	Spring through Summer Finish. 6-8; for 8", 8-10; for 10-12", 10-12	For 4-5", 5-6; for 6"/gallon, outside	Do not finish
Swedish Ivy <i>Plectranthus</i>	Vigor 4	6.0 - 6.5/0.6-0.9	65-72° F (18-22° C)	55-65° F (12-18° C)	50-60° F (10-16° C)	Moderate to Moist	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 6-8; for 8", 8-10; for 10-12", 10-12	Last to go outside
MOJAVE® <i>Portulaca</i>	Vigor 2	6.0 - 6.5/ <.6	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Dry to Moderate	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 7-9; for 8", 8-10; for 10-12", 10-12	Last to go outside

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
ROCKIN® and UNPLUGGED® <i>Salvia</i>	Vigor 4 Vigor 2	5.8 - 6.2/6 - .9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon (best), 7-9; for 8", 8-10; for 10-12"; 10-12	Second to go outside Unplugged: no outdoor finish
Sunbini® <i>Sanvitalia</i>	Vigor 2	5.8 - 6.2/0 - .6	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Dry to Moderate	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not finish outside
STARDIVA™ and WHIRLWIND® <i>Scaevola</i>	Vigor 2 Vigor 3	5.5 - 5.8/6 - .9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not finish outside
LEMON CORAL® <i>Sedum</i>	Vigor 2	5.8 - 6.2/ <.6	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Dry to Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 6-7; for 6"/gallon, 8-9; for 8", 8-10; for 10-12", 10-12	Last to go outside
Angel Wings <i>Senecio</i>	Vigor 2	5.8 - 6.2/1.8 -2.2 (using 2:1 extraction)	65-72° F (18-22° C)	65-70° F (18-21° C)	50-55° F (10-12° C)	Moderate to Medium Dry once established	Early Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9	First to go outside
Persian Shield <i>Strobilanthes</i>	Vigor 3	5.8 - 6.2/6 - .9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring to Summer Finish. Standard Plants Per Container.	For 4-5" and QT, 6-8; for 6"/gallon, 8-10	Last to go outside
SNOWSTORM® except GIANT SNOWFLAKE® <i>Sutera (Bacopa)</i>	Vigor 2 Vigor 3	5.5 - 5.8/1.0-2.0	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Moderate to Moist	Early Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 8-10	Last to go outside
A-PEEL® <i>Thunbergia</i>	Vigor 4	5.8 - 6.2/6-.9	65-72° F (18-22° C)	70-80° F (21-27° C)	65-70° F (18-21° C)	Moderate	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 5-7; for 6"/gallon, 7-9; for 8", 8-10; for 10-12", 10-12	Last to go outside
CATALINA® and SUMMER WAVE® <i>Torenia</i>	Vigor 2 Vigor 3	5.5 - 6.2/6-.9	65-72° F (18-22° C)	70-75° F (21-24° C)	70-75° F (21-24° C)	Moderate to Moist	Spring through Summer Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 10-12	Do not finish outside
'Purple Queen' <i>Tradescantia</i>	Vigor 3	5.8 - 6.2/6-.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Moderate to Dry	Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-5; for 6"/gallon, 6-8; for 8", 8-10	Last to go outside
SUPERBENA® <i>Verbena</i>	Vigor 3	5.8 - 6.2/6-.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C) outdoors	Moderate to Moist	Early Spring through Fall Finish. Standard Plants Per Container.	For 4-5", 4-6; for 6"/gallon, 5-7; for 8", 7-9; for 10-12", 8-10	Last to go outside
CAKE POPS® <i>Verbena rigida</i>	Vigor 2	5.8 - 6.2/6-.9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Dry	Spring to Fall Finish. Standard Plants Per Container.	For 4-5", 6-8; for 6"/gallon, 8-9; for 10-12", 10-12	Last to go outside

Cultural Information for Annuals

	Vigor	pH/EC	Rooting Out Temperature	Growing Temperature	Holding Temperature	Water Requirements	Planting and Timing	Finish Times in Weeks	Spring Outdoor Finish
METEOR SHOWER® <i>Verbena</i>	Vigor 3	5.5 - 6.2/6-9	65-70° F (18-21° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring through Fall Finish. 4" container - 1PPP 6" container - 1-3PPP 10" or larger - 3-5PPP	For 4-5", 5-6; for 6"/gallon, 8-10; for 10-12", 10-12	Second to go outside
'Variegata' 'Wojo's Jem' <i>Vinca</i>	Vigor 2	5.5 - 5.8/6-9	65-72° F (18-22° C)	65-72° F (18-22° C)	50-60° F (10-16° C)	Moderate to Moist	Spring to Fall Finish. Standard Plants Per Container.	For 4-5" and QT, 5-6; for 6"/gallon, 7-8	Do not move outside until all danger of frost is past

Online Cultural Guide

When you have growing questions, you can access our online growing guide at provenwinners.com/cultural-information for answers.

By providing easy, 24/7 access to this information, we save you time – and money – so you can spend it tending to business and building that business, too.

6 Critical Production Tips

Want to produce full and floriferous container recipes using Proven Winners annuals? Follow these six production tips from our growers who have decades of experience growing gorgeous hanging baskets.

1 The Key to Success

Starting with exceptional quality liners is the most important thing you can do to get your container recipes off to a great start. Even if you encounter issues along the way as you produce your crop, they will be far easier to navigate if you start with quality liners. Your propagator will be happy to work with you to determine the best liner size and delivery date to fit your production model.



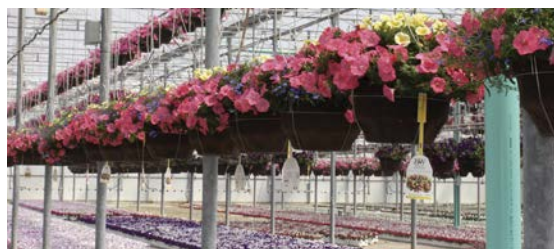
Starting with robust liners is the key to success in growing premium quality container recipes. Work with your propagator to determine the best liner size to fit your needs.

2 Start Your Liners Off Right

Minimizing stress on newly planted liners will avoid complications down the road. As a standard practice, we apply a preventative broad spectrum fungicide drench one week after transplant to all newly transplanted liners. This protects their roots from potential attacks.

3 Moderate Your Watering

It is very easy to overwater newly transplanted liners, so take care not to create this unnecessary stress. During the first few weeks after transplant, the root system is still small and does not yet extend down the bottom of the container. At this time, frequent but low volume water applications are required to provide the liners just the right amount of water they need without becoming overly wet.



Drip lines allow maximum control over irrigation, ensuring liners are not over- or under-watered in production.

4 Build a Strong Foundation

When your liners are young and are newly transplanted into hanging baskets, focus on developing a strong root system for the plants. Timing is key. We closely monitor the growing temperature, pH and EC of the growing media, and fertility while the plants are becoming established in the container.

5 Trimming and Shaping

As the plants are growing, a series of pinches and/or PGR applications are used to shape the plants in the containers. For many plants, we trim around the edges of the containers as needed, prior to spacing uprights and hanging the baskets. PGR rates are listed on our website for all of the plants we offer.



Trimming plants around the edges of the containers before spacing will make it easier to lay them out properly on the floor.

6 Feed Those Plants!

Premium quality hanging baskets and upright containers will fly out of inventory in spring, so be sure you are feeding your entire crop well to get the most out of your inventory. We recommend using fertilizers that contain micronutrients and 100% EDDHA as the source of iron. Call our grower hotline if you need fertilizer recommendations.

Nordic Nurseries – 604.607.7074

Ed Sobkowich Greenhouses – 905.945.8870.

Cultural Information and Growing Tips

To produce the highest quality plant material, growers must have detailed crop culture information. In order to help our grower customers produce the best finished crops, our propagators have developed this user-friendly guide which categorizes plants by their basic cultural needs – pH, growing temperature, and fertilization. The goal is to aide our grower customers in setting up custom growing environments for plants grouped by their basic needs. Visit provenwinners.com for more detailed cultural information on all Proven Winners varieties.

Proven Winners® Annuals

Growing Temp	A pH 5.5 - 5.8	B pH 5.8 - 6.2	C pH 6.0 - 6.5
A 55°-65° F (12-18° C)	Superbells® <i>Calibrachoa</i> , Sunsatia®, Aromance® and other <i>Nemesia</i> , Supertunia® <i>Petunia</i>	Butterfly <i>Argyranthemum</i> , Campfire® and Goldilocks Rocks® <i>Bidens</i> , Karalee® and Stratosphere™ <i>Gaura</i> , Beth's Blue® <i>Isotoma</i> , Bright Lights™ <i>Osteospermum</i> , Intensia® <i>Phlox</i> , 'Variegata' and 'Wojo's Jem' <i>Vinca</i>	Silver Bullet® <i>Artemisia</i> , Pink Chablis® <i>Lamium</i> , Princess and Knight <i>Lobularia</i> , Swedish Ivy <i>Plectranthus</i>
B 65°-72° F (18-22° C)	Pegasus® <i>Begonia</i> , Ladybird® <i>Calylophus</i> , Silver Falls™ <i>Dichondra</i> , Suncredible® <i>Helianthus</i> , Stardiva™ and Whirlwind® <i>Scaevola</i> , Snowstorm® <i>Sutera</i> (<i>Bacopa</i>)	Artist® <i>Ageratum</i> , Asparagus Fern <i>Asparagus</i> , Double Delight®, Double Up™, Space Age™, Solenia®, Surefire® <i>Begonia</i> , Señorita Rosalita® and Señorita Blanca® <i>Cleome</i> , Mystic Illusion and Virtuoso™ <i>Dahlia</i> , Diamond <i>Euphorbia</i> , English Ivy <i>Hedera</i> , Rockapulco® <i>Impatiens</i> , Safari® <i>Jamesbrittenia</i> , Blue Mohawk® and 'Curly Wurly' <i>Juncus</i> , Laguna® <i>Lobelia</i> , Charmed® Wine <i>Oxalis</i> , Vertigo® <i>Pennisetum</i> , Rockin'® <i>Salvia</i> and Unplugged® <i>Salvia</i> , Sunbini® <i>Sanvitalia</i> , Lemon Coral® <i>Sedum</i> , Angel Wings <i>Senecio</i> , Persian Shield <i>Strobilanthes</i> , 'Purple Queen' <i>Tradescantia</i> , Cake Pops®, Superbena® and Meteor Shower® <i>Verbena</i>	'Variegatum' <i>Chlorophytum</i> , Flambé® <i>Chrysocephalum</i> , 'Coffee Cups' and Heart of the Jungle® <i>Colocasia</i> , ColorBlaze® <i>Coleus</i> , Baby Tut®, King Tut®, Prince Tut™ and Queen Tut™ <i>Cyperus</i> , Truffula™ Pink <i>Gomphrena</i> , Aromagica™ and Augusta® <i>Heliotropium</i> , Illusion®, Sweet Caroline, and Margarita <i>Ipomoea</i> , Goldilocks and Waikiki Sunset™ <i>Lysimachia</i> , Big Leaf <i>Muehlenbeckia</i> , Mojave® <i>Portulaca</i> , Amazel Basil® <i>Ocimum</i>
C 70°-75° F (21-24° C)		Angelface® <i>Angelonia</i> , Totally Tempted™ <i>Cuphea</i> , Licorice Plant <i>Helichrysum</i> , Hippo® <i>Hypoestes</i> , Fiber Optic Grass <i>Isolepsis</i> , Luscious® <i>Lantana</i> , GoldDust® <i>Mecardonia</i> , 'Fireworks', Purple Fountain Grass and 'Sky Rocket' <i>Pennisetum</i> , A-Peel® <i>Thunbergia</i> , Catalina® and Summer Wave® <i>Torenia</i>	Endless™ <i>Browallia</i> , Vermillionaire® <i>Cuphea</i> , Blue My Mind® and Blue My Mind® XL <i>Evolvulus</i> , Sweet Caroline Upside™ <i>Ipomoea</i> and Sunstar® <i>Pentas</i>
Growing Temp			E pH 6.2 - 7.0
D 70°-85° F (21-29° C)			Toucan® <i>Canna</i>

In growing group codes, the first letter represents the Growing Temp and the second letter represents the pH.

Fertilizer rate for all plants listed above is 150-200 Constant Liquid Feed (CLF) with the following exceptions:

75-100 CLF

Endless™ *Browallia*
Blue My Mind® *Evolvulus*
Blue My Mind® XL *Evolvulus*

100-150 CLF

Asparagus Fern *Asparagus*
Double Delight® *Begonia*
Double Up™ *Begonia*
'Variegatum' *Chlorophytum*

Rockapulco® *Impatiens*
Fiber Optic Grass *Isolepsis*
'Fireworks', Purple Fountain Grass,
'Sky Rocket' and Vertigo® *Pennisetum*
Sunstar® *Pentas*
Mojave® *Portulaca*
Sunbini® *Sanvitalia*
Lemon Coral® *Sedum*

200-300 CLF

Toucan® *Canna*
Señorita *Cleome*
Illusion®, Sweet Caroline,
and Margarita *Ipomoea*
Intensia® *Phlox*
Supertunia® *Petunia*
A-Peel® *Thunbergia*

Culture Notes and Groups:

pH:

A: pH 5.5-5.8

B: pH 5.8-6.2

C: pH 6.0-6.5

EC:

A: < .6

B: .6-.9

C: 1.0-2.0

Well-Balanced Fertilizer

N-P-K, 2:1:1.5 with adequate amounts of micronutrients

Low: 100-150 ppm Constant Liquid Feed

Medium: 150-200 ppm Constant Liquid Feed

High: 200-300 ppm Constant Liquid Feed

Fertilizer Disclaimer:

It is a good practice to clear water (leach) once every 3-4 times you water to lower soluble salt levels in the media. EC should also be monitored using weekly EC measurements.

Rooting Out Temperatures:

The first 10 days of container growth: establishing root system to outside edge of container from the newly planted liner.

65-72° F (18-22° C)

Growing Temperatures:

Once roots are to the edge of the container – growing on the plant and bulking up foliage and flowers.

A: 55-65° F (12-18° C)

B: 65-72° F (18-22° C)

C: 70-75° F (21-24° C)

D: 70-85° F (21-29° C)

Night temperatures should be run 5° F (-15° C) lower than day temperatures

Holding Temperatures:

(For toning crops and/or for when you have to hold the crop when it is ready to go)

A: 40-50° F (4-10° F) outdoors*

B: 50-60° F (10-16° F)

C: Maintain Growing Temperatures

Light Levels:

High: Full sun crops need very high, bright light

Moderate: Sun to partial shade crops, High to moderate light

Low: Partial to full shade crops, Moderate to low light

* Sometimes this temperature is indoors when prompted not to finish the plants outdoors.

Moisture Regimes:

Transplant:

Water lightly to maintain moisture level within root zone until roots reach the side of the finished container. Once roots are developed to the side of the pot, see finish watering regime.

Finish Watering Regimes:

A: Dry to Moderate: Water thoroughly without over-saturating; keep moist during root development; allow soil surface to dry completely before watering after the crop is rooted to the edge of the pot.

B: Moderate to Moist: Water thoroughly without over-saturating; keep moist but not wet throughout entire growth cycle.

C: Moist to Wet: Water thoroughly and keep moisture constant throughout entire growth cycle.

Standard Plants Per Pot (PPP):

4-5": 1 ppp

6": 1-2 ppp

Gallon: 1-3 ppp

8": 3 ppp

10-12": 3-5 ppp

More cuttings per pot will yield faster finishing times.

The higher light and temperatures experienced with summer production will dramatically reduce crop times.

Soil Mix for Container Growing:

Use a high-quality, professional grade soil mix that is adjusted to work with your water quality and growing style to help manage pH and water control.

Use a well-drained, high-quality professional grade soil mix. A peat-lite based soil or equivalent that gives you 60% organic matter and 40% secondary aggregates, such as perlite, rock-wool, coir, and/or bark, will provide proper soil porosity (well-drained soil).

Growth Regulator Disclaimer:

All PGR rates should be trialed by each individual grower before applications are made to entire crop to ensure desired results. All rates are given as a spray unless otherwise stated. Summer production may require higher PGR rates when crops are grown indoors. Proven Winners and its affiliates are not responsible for misapplication or misuse of these products. Check manufacturers' labels for approved rates and usage recommendations.

Pest Management:

A weekly scouting program is suggested. Monitor for common greenhouse pests. Treat accordingly, using label instructions. Be sure to rotate chemical classes to guard against development of resistance to chemicals.

Disease Management:

Treat with preventative broad spectrum fungicidal drench one week after transplant. Scout crops regularly (at least once a week) for disease development. Good air circulation, control of humidity, and good sanitation practices are critical. Good sanitation practices include keeping greenhouses clean at all times, eliminating weeds and debris, disinfecting equipment and greenhouses as often as possible, and keeping hose ends off the floor. Good water management practices are critical to healthy plant growth.

Day Neutral:

Ability of plants to flower freely regardless of daylength.

Spring Outdoor Finish:

Many Proven Winners crops can be finished outdoors under cool temperatures. Finishing under cool temperatures will allow you to expand production area, allows additional spacing inside greenhouse, allows additional turns, and improves quality of the product. Those plants finished outdoors will need additional time to finish. Specific finishing times are difficult to predict due to variability in weather patterns. Outdoor mum production areas are perfect to use as spring cold temperature finishing space.

Before plants are moved outside, they should be acclimated to colder temperatures using holding temperatures stated above.

Ideally, plants should be moved outdoors on an overcast day, with moderate temperatures, little wind, and no severe cold (freezing temperatures) forecasted for the next 24 hours. Often a full moon will mean clear skies, which will allow temperatures to drop more than expected. To maintain proper nutrition after a heavy rain, a light water application with 400-500 ppm N can be used on the already wet plants (this high fertilizer application on dry plants will result in burn).

Plants vary in ability to withstand cold temperature finishing. To help you manage when crops can be placed outdoors, we have split our plant material into 3 groups (Not all crops can be finished outdoors and will be noted as No). In the case of unusually cold temperatures, you should have frost protection measures ready (frost cloth, sprinklers, or ability to move plants under cover).

It is generally too cold for insects and disease to prosper. You should continue to scout for problems, however, chemical control measures probably won't be needed. Plant growth regulators will not be needed to control growth.

Growers who wish to try this method of finishing plants should trial a small portion of their plant material the first year to gain experience and comfort. Each year will differ and growers need to be prepared to adapt as conditions change.

A: First to go outside – 33-36° F (0-2° C):

These plants can be placed outside the earliest. When temperatures are not forecasted to drop below freezing for the next 10 days you should be able to move these plants outdoors. Should the temperature be forecasted to drop below 28° F (-2° C), protection measures should be taken.

B: Second to go outside – 38-42° F (3-5° C):

This is the second wave of plant material. These plants can be moved outside when odds are that temperatures are much less likely to drop below freezing. Protection measures should be taken for this group when temperatures are forecasted to reach 32° F (0° C). Average daily temperatures should be higher than when group A material was moved out. Generally, a few weeks after group A is moved out, group B can be moved outside.

C: Last to go outside – 45° F + (7° C +):

This is the third wave of plant material. These plants can be moved outside when temperatures are no longer likely to reach freezing. A hard frost will cause damage to this group. If a hard frost is forecasted, protection measures should be implemented.

For questions please call the grower hotlines:

Nordic Nurseries – 604.607.7074

Ed Sobkowich Greenhouses – 905.945.8870



Need help? Give us a call.

We're totally committed to helping you grow quality crops.

Ageratum		Coleus scutellarioides		Heliotropium	
ARTIST® Blue	24	COLORBLAZE® Series	43	AROMAGICA™ Purple	59
Agrostis stolonifera		COLORBLAZE® Drop Series	46	AUGUSTA™ Lavender	59
Green Twist	118	COLORBLAZE® MINI ME™ Series	43	Herbs	
Anagallis		COLORBLAZE® Royale Series	46	'Munstead' Lavender	120
'Wildcat Blue'	118	Fishnet Stockings	118	Greek Oregano	120
'Wildcat Mandarin'	118	Colocasia esculenta		Arp Rosemary	120
Angelonia		'Coffee Cups'	48	Spearmint	120
ANGELFACE® Series	26	HEART OF THE JUNGLE®	48	English Thyme	120
ANGELFACE® Cascade Series	25	Cosmos astrosanguineus		Lemon Thyme	120
ANGELFACE® Super Series	26	Choca Mocha	118	Hypoestes phyllostachya	
Aptenia		Cuphea		HIPPO® Series	61
Variegata	118	VERMILLIONAIRE®	50	Impatiens	
Argyranthemum frutescens		Cuphea procumbens		SUNPATIENS® Compact Series	120
GOLDEN BUTTERFLY®	24	TOTALLY TEMPTED™ Series	49	Impatiens walleriana	
PURE WHITE BUTTERFLY®	24	Dahlia		ROCKAPULCO® Series	62
Artemisia stelleriana		Mystic Illusion	50	Ipomoea batatas	
SILVER BULLET®	104	Dahlia variabilis		ILLUSION® Series	109
SILVER CASCADE®	118	VIRTUOSO™ Series	51	Margarita	112
Asparagus densiflorus 'Sprengerii'		Dichondra argentea		Sweet Caroline Series	109
Asparagus Fern	104	SILVER FALLS™	106	Sweet Caroline UPSIDE™ Series	64
Bacopa (Sutera cordata)		Euphorbia		Isotoma	
SNOWSTORM® Series	28	DIAMOND DELIGHT®	52	BETH'S BLUE®	63
Begonia		DIAMOND MOUNTAIN®	52	Jamesbrittenia	
DOUBLE DELIGHT® Series	29	DIAMOND SNOW®	52	SAFARI® Series	65
PEGASUS®	105	Evolvulus		Lamium maculatum	
BELLECONIA™ Series	118	BLUE MY MIND® Series	53	PINK CHABLIS®	112
SUMMERWINGS® Series	118	Fuchsia		Lantana camara	
SUREFIRE® Series	33	Dark Eyes	118	LUSCIOUS® Series	66
Begonia rex		Swingtime	118	Lobelia erinus	
SPACE AGE™ Series	32	Wilma Verslot	118	LAGUNA® Series	69
Begonia semperflorens		Gaura		Lobularia	
DOUBLE UP™ Series	30	KARALEE® Petite Pink	54	BLUSHING PRINCESS®	70
Begonia x hiemalis		STRATOSPHERE™ Series	54	SNOW PRINCESS®	70
SOLENIA® Series	31	Geranium (Pelargonium)		VIOLET KNIGHT®	70
SOLENIA® Dark Pink	118	TIMELESS™ Series	120	WHITE KNIGHT®	70
SOLENIA® Light Pink	118	Gomphrena pulchella		Lophospermum	
Bidens		TRUFFULA™ Pink	55	LOFOS® Series	122
CAMPFIRE® Series	34	Grasses (Annual)		Lysimachia congestiflora	
GOLDDLOCKS ROCKS®	35	GRACEFUL GRASSES® Series	56	WAIKIKI SUNSET™	113
Browallia		Hedera helix		Lysimachia nummularia	
ENDLESS™ Series	36	Glacier	107	Goldilocks	113
Calibrachoa		Needlepoint	107	Mecardonia	
SUPERBELLS® Series	37	PATRICIA®	106	GOLDDUST®	71
Calylophus		White Ripple	120	Muehlenbeckia	
LADYBIRD® Sunglow	35	Yellow Ripple	107	Big Leaf Creeping Wire Vine	114
Canna x generalis		Helianthus		Nemesia fruticans	
TOUCAN® Series	41	Suncredible® Series	60	Bluebird Improved	71
Chlorophytum comosum		Helichrysum petiolare		AROMANCE® Series	72
'Variegatum' (Spider Plant)	105	Licorice Splash	108	Nemesia	
Chrysocephalum apiculatum		Petite Licorice	108	SUNSATIA® Series	72
FLAMBE® Yellow	42	White Licorice	108	Ocimum	
Cleome		Helichrysum thianschanicum		AMAZEL BASIL®	76
SEÑORITA BLANCA®	42	Icicles	108	Osteospermum	
SEÑORITA ROSALITA®	42	Heliotrope arborescens		BRIGHT LIGHTS® Series	74
		Marine	120		

Index

<i>Oxalis triangularis</i> CHARMED® Wine	76
<i>Oxalis vulcanicola</i> MOLTEN LAVA™	122
<i>Pelargonium (Geranium)</i> TIMELESS™ Series	120
<i>Pentas lanceolata</i> SUNSTAR®	77
<i>Petunia</i> SUPERTUNIA® Daybreak Charm SUPERTUNIA® HOOPLA™ VIVID ORCHID™ 80 SUPERTUNIA® Series SUPERTUNIA MINI VISTA® Series SUPERTUNIA TIARA™ Series SUPERTUNIA VISTA® Series SURFINIA® Series	80 80 78 82 78 83 122
<i>Phlox</i> INTENSIA® Series	85
<i>Plectranthus coleoides</i> Swedish Ivy	114
<i>Portulaca umbraticola</i> MOJAVE® Series	86
<i>Salvia</i> 'Golden Delicious' ROCKIN'® Series UNPLUGGED® Series	115 90 88
<i>Sanvitalia procumbens</i> SUNBINI®	87
<i>Scaevola aemula</i> STARDIVA™ Series WHIRLWIND® Series	92 93
<i>Sedum mexicanum</i> LEMON CORAL®	88
<i>Senecio candicans</i> Angel Wings	91
<i>Senecio rowleyanus</i> String of Pearls	122
<i>Strobilanthes dyerianus</i> Persian Shield	115
<i>Thunbergia alata</i> A-PEEL® Series	94
<i>Torenia</i> CATALINA® Series SUMMER WAVE® Series	95 96
<i>Tradescantia pallida</i> 'Purple Queen'	116
<i>Verbena</i> SUPERBENA® Series SUPERBENA ROYALE® Series SUPERBENA SPARKLING® Series	98 100 100
<i>Verbena bonariensis</i> METEOR SHOWER®	101
<i>Verbena rigida</i> CAKE POPS® Series	97
<i>Vinca maculata</i> 'Wojo's Jem'	116
<i>Vinca major</i> 'Variegata'	116



RECIPE
OF THE YEAR

Above: Ireland



RECIPE
OF THE YEAR

Above: Vista View Front cover: Champagne Toast

PW
PROVEN
WINNERS®
The #1 Plant Brand.®

1600 E. Lincoln Highway, Suite F,
DeKalb, IL 60115
815.895.1872 Fax: 815.895.1873
www.provenwinners.com
www.beauty.provenwinners.com
www.nationalplantoftheyear.com



© 2024 Proven Winners®
All rights reserved.

Nordic Nurseries, Ltd.
29386 Haverman Road, Abbotsford, BC V4X 2P3
604.607.7074 www.nordicplants.com

Ed Sobkowich Greenhouses, Ltd.
398 Maple Avenue, Grimsby, ON L3M 3B9
905.945.8870 www.sobkowich.com