



2012 Novelties Catalogue

Assortment update

Europe | Africa | Middle East

syngenta *flowers*

Let's talk!

About innovations

Welcome to Syngenta Flowers 2012 novelties catalogue. In these pages, you will find over 100 new series and varieties, and some 30 improved varieties. These introductions are in addition to the wide range of varieties that are already available through our "2011-2013 Full Assortment catalogue".

So now with the new introductions 2012 you have an even wider choice of colors and shapes to delight your customers. Besides the wider choice the innovations can help you and your customer through enhanced shapes, faster response times, greater vigor and longer shelf-life.

These 2012 introductions are all part of our commitment to supporting your business needs. As a world-leader in seeds and cuttings for pot and bedding plants, we work constantly to provide varieties that meet changing market requirements, trends and consumer tastes. Besides our innovations in genetics, we supply control products for an even wider range of ornamentals.

Whatever your requirements, we are happy to talk to you. As a Syngenta Flowers customer, you have direct access to our extensive teams of specialists across Europe, the Middle East and Africa. Call us for support and advice from research & development, crop protection, customer service or marketing support.

For more detailed information visit our new website www.syngentaflowers.eu.

Enjoy discovering our 2012 innovations. We look forward to talking to you about them!

Syngenta Flowers

 **Goldsmith Seeds**  **GoldFisch Cuttings**

Syngenta Seeds has exercised reasonable care and skill in compiling this information. All data in this brochure is intended for general guidance only and the user should apply it in accordance with his own knowledge and experience of local conditions. Syngenta Seeds cannot accept any liability in connection with this advice.

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













Cuttings

Perennials

Lavandula angustifolia	41
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Seeds discontinued varieties

Species	Dropped variety	Replacement	Effective Date
Antirrhinum majus (Snapdragon)	Montego Red	Montego Red Imp. 	1-04-2012
Antirrhinum majus (Snapdragon)	Montego Sunset	Montego Sunset Imp. 	1-04-2012
Begonia semperflorens	Bada Boom Rose	Bada Boom Rose Imp. 	1-04-2012
Campanula longistyla	Isabella Mid Blue	No Sub	1-04-2012
Cyclamen persicum F1	Laser Deep Salmon	Laser Synchro Salmon	1-11-2012
Cyclamen persicum F1	Laser Lilac	Laser Fuchsia	1-11-2012
Cyclamen persicum F1	Sierra Deep Rose	Sierra Synchro Deep Rose	1-11-2012
Cyclamen persicum F1	Sierra Deep Salmon	Sierra Synchro Deep Salmon	1-11-2012
Cyclamen persicum F1	Sierra Rose	Sierra Synchro Rose	1-11-2012
Cyclamen persicum F1	Silverado White	Silverado White Imp.	1-11-2012
Doronicum orientale	Leonardo	Leonardo Compact	1-04-2012
Gazania rigens	Kiss Yellow	Kiss Yellow Imp. 	1-04-2012
Gerbera jamesonii	Autumn Color Mix	Cartwheel Autumn Colors	1-04-2012
Impatiens walleriana	Accent Pastel Mix	Accent Premium Mix	1-04-2012
Impatiens walleriana	Accent Peek-A-Boo DX	Accent Premium Mix	1-04-2012
Impatiens walleriana	Accent Peppermint DX	Accent Premium Mix	1-04-2012
Impatiens walleriana	Accent Sunrise DX	Accent Premium Mix	1-04-2012
Impatiens walleriana	Mosaic Impressions DX	Mosaic Mix	1-04-2012
Impatiens walleriana	Xtreme Scarlet	Xtreme Scarlet Imp. 	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Deep Rose	Ringo 2000 Deep Rose	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Exp. Deep Scarlet	Ringo 2000 Deep Scarlet	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Red	Ringo 2000 Deep Red	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Salmon	Ringo 2000 Salmon	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Scarlet	Ringo 2000 Deep Scarlet	1-04-2012
Pelargonium x hortorum (Geranium)	Floever Violet	Ringo 2000 Violet	1-04-2012
Pelargonium x hortorum (Geranium)	Floever White	Ringo 2000 White	1-04-2012
Pelargonium x hortorum (Geranium)	Multibloom Bright Rose	Multibloom Violet 	1-04-2012
Pelargonium x hortorum (Geranium)	Multibloom Lavender	Multibloom Lavender Imp. 	1-04-2012
Pelargonium x hortorum (Geranium)	Orbit Glow	Orbit Cardinal	1-04-2012
Pelargonium x hortorum (Geranium)	Orbit Orange	Orbit Synchro Scarlet	1-04-2012
Pelargonium x hortorum (Geranium)	Pinto Deep Rose	Pinto Premium Deep Rose	1-04-2012
Pentas lanceolata	Starla Bold DX	Starla Mix	1-04-2012
Pentas lanceolata	Starla Pastel DX	Starla Mix	1-04-2012
Petunia grandiflora	Bravo® Blue	Bravo Blue Imp. 	1-04-2012
Petunia grandiflora	Bravo® Proformula Mix	Bravo Uni Mix Imp.	1-04-2012
Petunia grandiflora	Ultra Salmon	Bravo Salmon	1-05-2012
Petunia milliflora	Fantasy Carmine	Picobella Carmine	1-04-2012
Petunia milliflora	Fantasy Light Lavender	Picobella Light Lavender	1-04-2012
Petunia milliflora	Fantasy White	Picobella White	1-04-2012
Petunia pendula	Plush® Lilac Pearl	Plush® Lilac Pearl Imp. 	1-04-2012
Primula acaulis	Orion Blue	Orion Blue Imp.	1-04-2012
Primula acaulis	Orion Scarlet	Orion Scarlet Imp.	1-04-2012
Primula acaulis	Orion White with Eye	Orion White With Eye Imp. 	1-04-2012
Primula acaulis	Primera Blue	Primera Blue Imp. 	1-04-2012
Primula acaulis	Primera Pink	Primera Pink Imp. 	1-04-2012
Primula acaulis	Primera Yellow	Primera Yellow Imp. 	1-04-2012
Primula obconica	Grace Formula Mix	No Sub	1-04-2012
Primula obconica	Libre Blue	Libre Deep Blue	1-04-2012
Primula obconica	Libre Fuchsia	Libre Lavender	1-04-2012
Primula obconica	Libre Pink	No Sub	1-04-2012
Ranunculus	Maché Orange	Mache Orange Imp. 	1-04-2012
Ranunculus	Maché Red	Mache Red Imp. 	1-04-2012
Ranunculus	Maché Yellow	Mache Yellow Imp. 	1-04-2012
Viola x wittrockiana F1	Karma Violet with Face	Karma Violet With Face Imp. 	1-04-2012
Viola x wittrockiana F1	Karma Yellow Blotch	Karma Yellow Blotch Imp. 	1-04-2012

Cuttings discontinued varieties

Species	Dropped variety	PBR Name	Replacement	Effective Date
Aubrieta Hybrida	Accent™ Antique Rose	AUDELANRO	Axcnt Lilac	1-04-2012
Calibrachoa Hybrid	Callie Star Rose	CAL ROSTAR	Callie Star Pink	1-04-2012
Calibrachoa Hybrid	Callie Trail.XI White Pink	CALWHIPI	No Sub	1-04-2012
Calibrachoa Hybrid	Callie Trailing Blue Purple	CALTRABLUPU	No Sub	1-04-2012
Calibrachoa Hybrid	Callie Trailing Dark Blue	CALUPDAPUVI	No Sub	1-04-2012
Calibrachoa Hybrid	Callie Trailing Electric Rose	CALTRAEALBU	No Sub	1-04-2012
Calibrachoa Hybrid	Callie Trailing Mid Blue	CALTRAMIPUVI	No Sub	1-04-2012
Euphorbia pulcherrima	Fiscor Candy	CORTEZ CANDY	No Sub	1-04-2012
Euphorbia pulcherrima	Olympus Red	FISOLYMP	No Sub	1-04-2012
Goodenia ovata	Fresca Yellow	FRES YEL	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Blackberry Star	IMTRABASTAR	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Candy Rose	IMTRACARO	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Dark Red	IMTRADARED	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Lilac	IMTRALILA	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Orange	IMTRAORAN	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Pink Splash	IMTRACORBU	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Rose	IMTRAROSE	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Royal Purple	IMTRAROPUR	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Salmon	IMTRASAMTO	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Scarlet	IMTRASA	No Sub	1-04-2012
Impatiens walleriana	Spellbound® Strawberry Star	IMTRARESTAR	No Sub	1-04-2012
Impatiens walleriana	Spellbound® White	IMTRAWHIT	No Sub	1-04-2012
Impatiens walleriana	Spellbound® White	IMSPEWHIT	No Sub	1-04-2012
Lantana camara	Bandana® Cherry	BANTE CHERIA	Bandana Cherry Imp.	1-04-2012
Lantana camara	Bandana® Cherry Sunrise	BANTE CHERIASUN	Bandana Cherry Imp.	1-04-2012
Lantana camara	Bandana® Red	BANTE REEDA	Bandana® Red Imp.	1-04-2012
Lobelia erinus	Techno® Heat Upright L.Blue	TECH HEPLIB	Techno Heat Upright Light Blue	1-04-2012
Lobelia erinus	Techno® Heat Violet I	TEC TRAVIO	Techno Heat Violet	1-04-2012
Mandevilla Hybrida	Rio® Light Pink	FISRIX LIPINK	Rio® Pink	1-04-2012
Pelargonium peltatum	Cascade® Mini Red	'ROTEMICA'	No Sub	1-04-2012
Pelargonium zonale	Americana® Deep Red	AMRI DEREED	Americana Deep Red	1-04-2012
Pelargonium zonale	Americana® White Splash	AMRI WITS09	Americana White Splash Impr.	1-04-2012
Pelargonium zonale	Avenida® Red	FISNIDA	Classic Line Grand Prix	1-04-2012
Pelargonium zonale	Fidelity® White	ZOWITRE	Classic Line White	1-04-2012
Pelargonium zonale	Tango® Boogy	FISBOOGY	Tango® Dark Red Imp.Red'(p)	1-04-2012
Pelargonium zonale	Tango® Hot Pink	FIP 750	Fidelity Hot Pink (Tiffany)	1-04-2012
Pelargonium zonale	Tango® Pink Splash (Bravo)	FISBRAVO	Tango Pink	1-04-2012
Petunia Hybrida	Whispers® Appleblossom	WHIP ABLOS	No Sub	1-04-2012
Petunia Hybrida	Whispers® Blue	WHIP BULE	No Sub	1-04-2012
Petunia Hybrida	Whispers® Purple	WHIP PUR	No Sub	1-04-2012
Petunia Hybrida	Whispers® Red I	PETREWIS	No Sub	1-04-2012
Petunia Hybrida	Whispers® Rose Vein	WHIP ROSEIN	No Sub	1-04-2012
Petunia Hybrida	Whispers® White	WHIP WHITE	No Sub	1-04-2012
Verbena Hybrida	Ipanema® Salmon	IPINENA	Ipanema Neon Rose	1-04-2012
Verbena Hybrida	Ipanema® Star	BIWARENA	No Sub	1-04-2012
Verbena Hybrida	Ipanema® White	IPWEI	Magalana White	1-04-2012



Seeds Annuals, Biennials & Pot Plants

Antirrhinum majus F1



IMPROVED

Montego Red Imp.
• Improved on branching



IMPROVED

Montego Sunset Imp.
• Improved on plant habit

Begonia semperflorens



IMPROVED

Bada Boom Rose Imp.
• Improved Rose makes the series even more uniform in plant habit and earliness

Begonia tuberhybrida

Go-Go Rose Bicolor

- Unique color with dark rose edges on light pink petals
- Some color variation
- Dark green leaf for optimal color contrast



NEW COLOR

Catharanthus roseus (Vinca)



NEW COLOR

Cora Cascade Strawberry

- Unique color with dark rose edges on light pink petals
- Dark green leaf for optimal color contrast

Cyclamen persicum F1



NEW COLOR

Friller® Wine

- Now available in 6 strong colors and a mix



NEW COLOR

Cora Red

- Most important color in Vinca



NEW COLOR

Cora Strawberry

- Very bright and strong color



IMPROVED

Laser Rose Flame Imp.

- Improved on uniformity of flower color, earliness and stem length



NEW COLOR

Laser Synchro Salmon

- Synchro is the most uniform in habit and earliness



NEW COLOR

SunStorm® Deep Pink

- Very strong color



NEW COLOR

SunStorm® Orchid Halo

- Clear white center





NEW COLOR

Midori Bright Scarlet

- Early and very free flowering



NEW COLOR

Perfetto Wine Flame

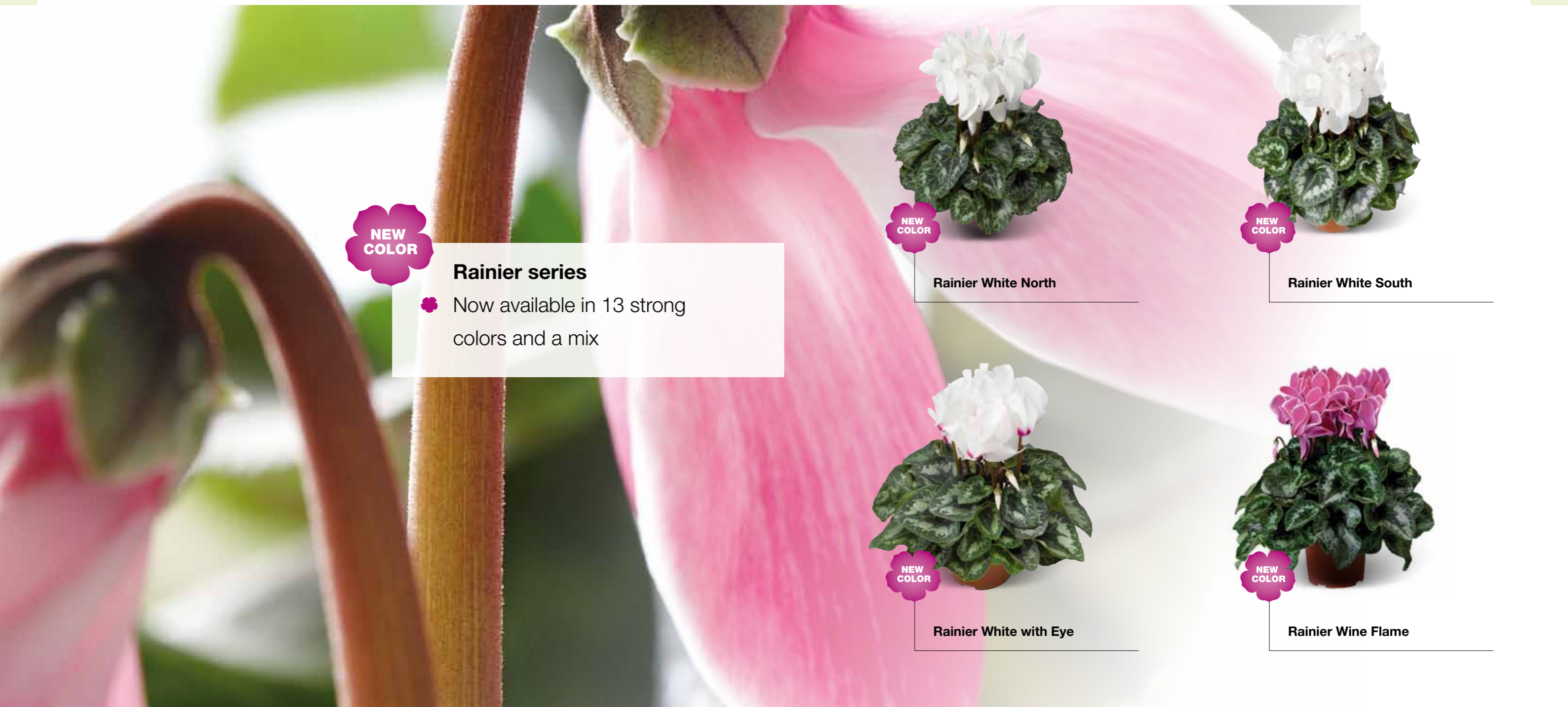
- Now available in 8 strong colors and a mix



IMPROVED

Silverado White Imp.

- More vigorous
- More leaves
- Shorter flower stems



NEW COLOR

Rainier series

- Now available in 13 strong colors and a mix

NEW COLOR

Rainier White North

NEW COLOR

Rainier White South

NEW COLOR

Rainier White with Eye

NEW COLOR

Rainier Wine Flame



NEW SERIES

Snowridge mini series

- * Unique, attractive flower color in mini Cyclamen
- * Thick petals for good shelf-life and outdoor performance



NEW SERIES

Snowridge Mini Purple



NEW SERIES

Snowridge Mini Wine



NEW COLOR

Winfall® Wine

- Now available in 7 colors and a mix



NEW COLOR

Winter Ice Light Purple Flame

Gazania rigens



NEW COLOR

Kiss Frosty Red

- Intense red color
- Now available in 4 straight colors, a spectacular Flame mix and a Complete mix



IMPROVED

Kiss Yellow Imp.

- Improved on flower size





NEW SERIES

Cartwheel® Autumn Colors



NEW SERIES

Cartwheel® Chardonnay



Cartwheel series

- * Double to semi-double flowers on compact plants
- * Unique, attractive flower shapes and colors
- * Suitable for pot size 12 to 15 cm.



NEW SERIES

Cartwheel® Glowing Ember



NEW COLOR

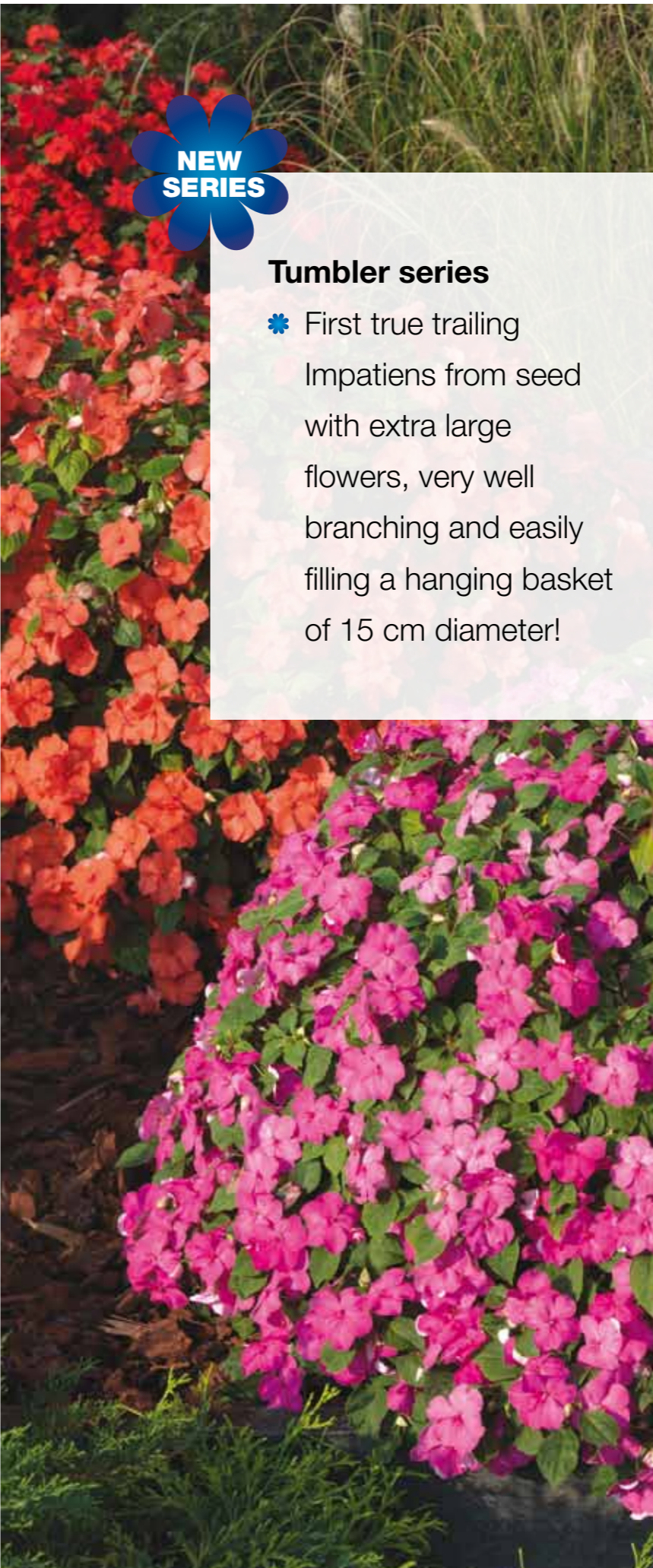
Gerbera Scarlet Elephant

- Giant flower size
- For 13 to 15 cm pot

NEW SERIES

Tumbler series

- * First true trailing Impatiens from seed with extra large flowers, very well branching and easily filling a hanging basket of 15 cm diameter!



NEW SERIES

Tumbler® Pink



NEW SERIES

Tumbler® Red



NEW SERIES

Tumbler® Rose

Impatiens walleriana



NEW SERIES

Tumbler® Rose Star



NEW SERIES

Tumbler® Salmon

Impatiens walleriana



IMPROVED

Xtreme Scarlet Imp.

- Improved on color brightness and branching

Osteospermum ecklonis



NEW COLOR

Asti Purple Bicolor



NEW SERIES

Tumbler® Scarlet



NEW SERIES

Tumbler® Violet Star



NEW SERIES

Tumbler® White



Pelargonium x hortorum



NEW COLOR

Bulls Eye Red

- Most important color addition



NEW COLOR

Maverick Rose

- A deep rose with very dark foliage



IMPROVED

Multibloom Lavender Imp.

- Improved on flowers size



NEW COLOR

Multibloom Violet

Pericallis cruenta (Cineraria)



NEW COLOR

Venezia Bordeaux With Ring



NEW COLOR

Venezia Matador With Ring

Petunia grandiflora



IMPROVED

Bravo® Blue Imp.

- Improved earliness



NEW SERIES

Picobella Cascade series

- * New trailing mini flowered petunia series
- * Excellent central flowering with flowers all over the plant
- * Uniform flowering window
- * Suitable for packs, small pots, larger pots, containers, hanging baskets and combinations



NEW SERIES

Picobella Cascade Coral



NEW SERIES

Picobella Cascade Lavender



NEW SERIES

Picobella Cascade White



IMPROVED

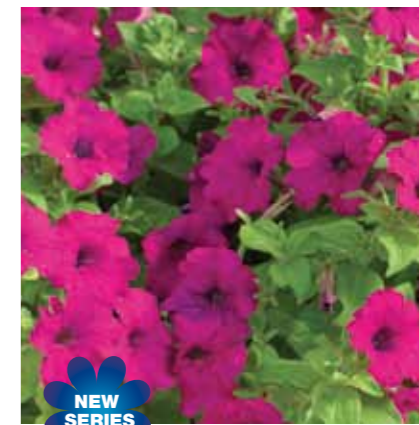
Plush Lilac Pearl Imp.

- Improved for uniformity and free flowering



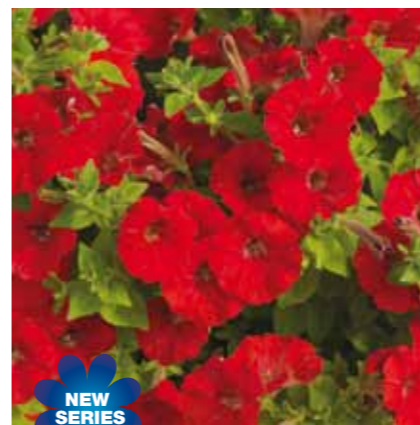
NEW SERIES

Picobella Cascade Pink Glo



NEW SERIES

Picobella Cascade Purple



NEW SERIES

Picobella Cascade Red



NEW SERIES

Picobella Cascade Salmon

Petunia pendula



IMPROVED

**Orion series
(mid flowering segment)**

- ▶ More uniform in habit
- ▶ Flowering in line with the series
- ▶ Better germination



IMPROVED

Orion Blue Imp.



IMPROVED

Primera Blue Imp.
• More uniform in flowering and habit



NEW COLOR

Primera Lilac Flame
• New special color
• Early flowering



IMPROVED

Orion Scarlet Imp.



IMPROVED

Primera Pink Imp.
• More uniform in flowering and habit



IMPROVED

Primera Yellow Imp.
• More uniform in flowering and habit



IMPROVED

Orion White With Eye Imp.

IMPROVED

**Primera Series
(early flowering segment)**





IMPROVED

Ranunculus series

- Improved in plant habit and in flowering time



IMPROVED

Maché Orange Imp.



IMPROVED

Maché Red Imp.



IMPROVED

Maché Yellow Imp.



NEW COLOR

Penny Blue with Yellow Centre



NEW COLOR

Penny Red with Yellow Face



NEW COLOR

Penny Tangerine



NEW COLOR

Penny Violet Blue

NEW COLOR

Penny series

- Additions for the series
- Early flowering
- Very uniform habit





NEW COLOR

Karma Copperfield

- Unique special color
- Very early flowering



NEW COLOR

Karma Pink Blotch

- Intense color
- Early flowering



IMPROVED

Karma Violet with Face Imp.

- Strong intense color
- Plant habit is more compact, more uniform
- Early flowering



IMPROVED

Karma Yellow Blotch Imp.

- Early flowering
- Plant habit is more compact, more uniform



Wonderfall series

- * Large flowered trailing Pansy
- * Suitable for big pot and hanging baskets
- * Very vigorous habit
- * Good branching
- * Colors changes within the variety which makes the pots very attractive



NEW SERIES

Wonderfall™ Yellow Red Wing



NEW SERIES

Wonderfall™ Lavender Picotee Shades



NEW SERIES

Wonderfall™ Blue Picotee Shades



NEW SERIES

Wonderfall™ Purple and Blue Shades



NEW SERIES

Wonderfall™ Rose Shades with Face



NEW SERIES

Wonderfall™ Purple with Face

Seeds - Perennials



Armeria maritima



NEW COLOR

Armada Pink
• Unique new color

Campanula cochlearifolia



NEW SERIES

Swinging Bells Blue



NEW SERIES

Swinging Bells White

NEW SERIES

Swinging Bells series

- * Rockgarden plant for Summer and Autumn flowering in 9 – 12 cm pots
- * Much more compact than traditional variety
- * Flowers 100% without vernalization

Polemonium reptans



NEW COLOR

Little Polly

- First real compact Polemonium for 12cm pot



Primula veris



NEW COLOR

Cabrillo Dark Yellow Compact

- Very early true Primula veris with surprising compact habit for pot size 10,5 – 13 cm.

Salvia x superba



NEW COLOR

Merleau® Blue Compact



IMPROVED

Merleau® Rose Imp.

- Fits in plant habit to the rest of the series



NEW COLOR

Merleau® White

- First white variety from seed



Cuttings Annuals, Biennials & Pot Plants



Argyanthemum frutescens

Calibrachoa Hybrid



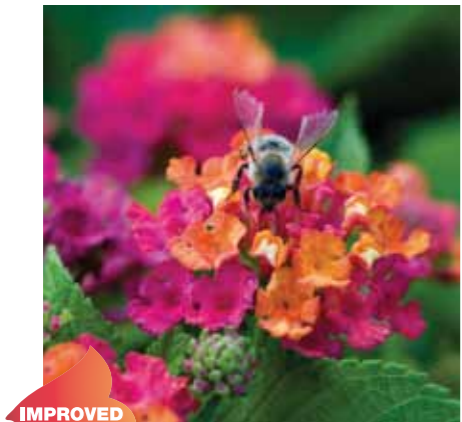
NEW COLOR

- Sassy Red**
- Intense red color
 - Strong plant habit



IMPROVED

- Callie Yelow Imp.**
- Better strong root system



IMPROVED

Bandana Cherry Imp.

- Improved color
- Earlier flowering
- Better branching



IMPROVED

Bandana Red Imp.

- Improved color and flower quality



NEW COLOR

Techno Heat Upright Light Blue

- Super branching
- Early flowering



IMPROVED

Tradewinds Yellow I

- Improved garden performance
- Better branching habit
- More intense light yellow color



Pelargonium interspecific



NEW COLOR

Calliope Lavender Rose
• Striking new color
• Great garden performance
• Strong flower quality

Pelargonium zonale



IMPROVED

Classic Line White Imp.
• Earlier flowering
• Improved plant habit
• Better flower quality



NEW COLOR

Tango Violet I
• Intense color
• Early flowering
• Good branching habit

Pelargonium zonale



IMPROVED

Americana Deep Red Imp.
• Improved plant habit



IMPROVED

Americana White Splash Imp.
• Improved plant habit
• More vigor



NEW COLOR

Classic Line Violet
• Early flowering
• Good branching plant habit
• Intense violet color





IMPROVED

Lanai Magenta Imp.

- Improved garden performance and habit
- More intense color



NEW COLOR

Lanai Vintage Rose

- New special color
- Early flowering
- Good branching and vigor
- Less sensitive to Mildew



NEW COLOR

Lanai Candy Cane

- Novel Star pattern
- Early flowering
- Less sensitive to Mildew



NEW COLOR

Lanai Limegreen

- Early flowering
- Good branching and vigor
- Less sensitive to Mildew

Cuttings - Perennials

Lavandula angustifolia

**Sentivia Blue**

- Intense Blue color on grey foliage

**Sentivia Silver**

- Earliest white flowering variety in the market

**Sentivia series**

- * Very well basal branching
- * No vernalization needed
- * The optimal Lavender for large scale production in pot 10,5 – 12 cm with a very short culture time and a very strong scent.





NEW COLOR

Alpino™ Series

- ❁ Most early flowering Saxifraga series
- ❁ Real break through in breeding
- ❁ Up to 4 weeks longer flowering than traditional varieties



NEW COLOR

Alpino™ Early Lime



NEW COLOR

Alpino™ Early White



NEW COLOR

Alpino™ Early Neon Rose

Species	Series	Global variety name	PBR name
Lantana camara	Bandana®	Bandana Cherry	LANZ0005
Lantana camara	Bandana®	Bandana Peach	PBR applied
Lantana camara	Bandana®	Bandana Red	BANT REDA09
Lavandula angustifolia	Sentivia	Sentivia Blue	LAAZ0001
Lavandula angustifolia	Sentivia	Sentivia Silver	LAAZ0002
Lobelia erinus	Techno®	Techno Heat Upright Light	PBR applied
Osteospermum ecklonis	Tradewinds®	Tradewinds Yellow I	PBR applied
Pelargonium interspecific	Calliope®	Calliope Lavender Rose	PEQZ0002
Pelargonium zonale	Americana®	Americana Deep Red	FISRODARK
Pelargonium zonale	Americana®	Americana White Splash I	PECZ0003
Pelargonium zonale	Classic Line	Classic Line Violet	ZONFILIKAR
Pelargonium zonale	Classic Line	Classic Line White	PECZ0001
Pelargonium zonale	Tango®	Tango Violet I	CLIPS VIO
Saxifraga x arendsii	Alpino™	Early Lime	SAXZ0007
Saxifraga x arendsii	Alpino™	Early White	SAXZ0003
Saxifraga x arendsii	Alpino™	Early Neon Rose	ROCKROSE
Verbena Hybrida	Lanai®	Lanai Candy Cane	PBR applied
Verbena Hybrida	Lanai®	Lanai Limegreen	PBR applied
Verbena Hybrida	Lanai®	Lanai Magenta	PBR applied
Verbena Hybrida	Lanai®	Lanai Vintage Rose	PBR applied

January 2012						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 2012						
S	M	T	W	T	F	S
5			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

March 2012						
S	M	T	W	T	F	S
9				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January 2013						
S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2013						
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March 2013						
S	M	T	W	T	F	S
9					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2012						
S	M	T	W	T	F	S
14	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 2012						
S	M	T	W	T	F	S
18		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2012						
S	M	T	W	T	F	S
22					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

April 2013						
S	M	T	W	T	F	S
14	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2013						
S	M	T	W	T	F	S
18			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2013						
S	M	T	W	T	F	S
22						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 2012						
S	M	T	W	T	F	S
27	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2012						
S	M	T	W	T	F	S
31			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2012						
S	M	T	W	T	F	S
35						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 2013						
S	M	T	W	T	F	S
27	1	2	3	4	5	6
7	8	9	10	11	12	13
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21	22	23	24	25	26	27
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August 2013						
S	M	T	W	T	F	S
31				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2013						
S	M	T	W	T	F	S
36	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October 2012						
S	M	T	W	T	F	S
40	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November 2012						
S	M	T	W	T	F	S
44				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2012						
S	M	T	W	T	F	S
48						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October 2013						
S	M	T	W	T	F	S
40		1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2013						
S	M	T	W	T	F	S
44					1	2
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2013						
S	M	T	W	T	F	S
49	1	2	3	4	5	6
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

GENERAL TERMS AND CONDITIONS

Of SYNGENTA SEEDS B.V., with offices in Enkhuizen, for the sale and delivery of parent material or ornamental plant culture products and vegetable crops.

Article 1 Applicability of these terms and conditions

1.1. These terms and conditions shall apply to any offer or agreement between Syngenta Seeds B.V., hereinafter to be referred to as the Seller, and any buyer, insofar as the parties have not explicitly deviated from one or more of these terms and conditions.

1.2. For vegetatively reproduced ornamental plant culture products for which plant breeder's rights have been applied for and/or granted, only non-recurring flower or plant production is allowed. The Buyer shall also impose this clause on its buyers as a perpetual clause. Violations shall result in an immediately payable penalty of € 1.00 per reproduced flower or plant. The Seller shall retain its right as a licence holder to recover the actually incurred damage from the violating party. The Seller and/or its authorised party is permitted to enter the Buyer's premises without obstruction to inspect the flower and plant production and to appoint an independent third party to inspect the Buyer's books. The Buyer shall cooperate with such inspections.

Article 2 Quotations, prices and order documentation

2.1. The Seller's quotations are without engagement. A quotation without engagement can be revoked until three days after its acceptance has been received. The prices mentioned in a quotation are excluding VAT and further costs to be paid by the Buyer, including, among others, packaging costs, quality assurance costs and/or phytosanitary inspections, import duties, government and other regulatory levies, as well as plant breeder's rights fees and any other fees. Prices are expressed in Euros.

2.2. The Seller reserves the right to modify its prices periodically and in the interim. Each new price listing shall cancel the previous price with regard to orders placed after such new price listing.

2.3. If the quantity mentioned in an order deviates from the standard quantity applied by the Seller or is a multiple thereof, the Seller has the right to deliver the next higher quantity.

2.4. Listed weights and quantities are net.

2.5. The Buyer shall state in writing on its order and/or at the Seller's first request the data, specifications and documents legally required in the country of delivery, of, among others, the following:

- invoicing;
- phytosanitary requirements;
- international certificates;
- other import documents or import declarations.

Article 3 Harvesting and processing conditions

Deliveries shall take place under the usual harvesting and processing conditions. If the Seller makes a justified appeal to the harvesting or processing conditions, the Seller shall not be under an obligation to deliver, but shall, if possible, try to deliver in proportion to the ordered quantity or similar alternatives. If the Seller invokes this restriction the Buyer shall not be entitled to any damages.

Article 4 Delivery

4.1. The Incoterms in force at the time the agreement is concluded shall apply to the agreement. Delivery in the Netherlands to parties other than plant breeders as well as deliveries outside the Netherlands shall be FCA Seller.

4.2. Notwithstanding Paragraph 1, delivery to plant breeders in the Netherlands shall take place postage paid, except for urgent and/or express delivery in which case the shipment costs shall be for the Buyer's account.

4.3. If no agreements have been made between the Buyer and the Seller about shipment, the Seller shall have the right to ship the consignment in the manner it deems best. The shipment is entirely for the Buyer's risk. Any additional costs as a consequence of the Buyer's special

transport and/or packaging requirements shall be charged to the Buyer's account.

4.4. Young ornamental plants are delivered in a special (design copyrighted) tray(s) and, depending on the quantity, loaded on a pallet(s) which shall both remain the Seller's property. The Buyer acknowledges the Seller's design and property right and undertakes to act in compliance with this right.

4.5. The Buyer shall take due care of these tray(s) and pallet(s) until they are collected by the Seller. The parties shall make agreements with regard to the frequency with which the tray(s) and/or pallet(s) are collected by the Seller. If these tray(s) and/or pallet(s) are lost or damaged by or at the Buyer's, in the Seller's opinion, the Buyer shall be liable to pay to the Seller an amount of € 5 per tray and € 12.50 per pallet.

The Buyer shall store the tray(s) and/or pallet(s) in such manner that the Seller can collect them in a normal manner. The Buyer shall ensure that the tray(s) and/or pallet(s) are clean.

In order to guarantee property rights the trays are individually numbered and registered by means of a barcode. The Buyer is not permitted to remove or otherwise render illegible this barcode on penalty of an immediately payable fine of € 1 per tray, without prejudice to the Seller's right to claim a higher amount in damages from the Buyer.

4.6. The Buyer is not permitted to continue to use the tray(s) and/or pallet(s), or to let them be used by third parties, unless explicitly agreed otherwise in writing.

Article 5 Delivery time

The Seller undertakes to deliver within a reasonable term, in accordance with the sowing or planting season after the sale contract has been concluded. An agreed delivery time does not constitute a deadline. In the event of late delivery the Buyer shall put the Seller in default in writing and grant the Seller a reasonable term to comply with the agreement.

Article 6 Partial delivery and return

6.1. The Seller is permitted to deliver the sold products in instalments. This shall not apply if a partial delivery has no independent value. If the products are delivered in instalments, the Seller has the right to invoice each partial delivery separately.

6.2. Return deliveries, including the mutual exchange of seeds for pelleted seeds, are not permitted, unless agreed in advance between the parties in writing. For fungicide coated seeds and pelleted seeds, this shall take place within four months after delivery, for insecticide coated and/or primed seeds and/or primed pelleted seeds, a term of 2 months after delivery shall apply. In all cases, the packaging shall be unopened and undamaged. Returning over 10% of the total quantity of delivered seeds per species shall not be accepted.

6.3. Return consignments received by the Seller in accordance with Article 6.2 shall be settled with the Buyer in compliance with the following:

- return consignments received within two months after delivery: 90% of the relevant invoice amount;
- return consignments received within two to three months after delivery: 75% of the relevant invoice amount;
- return consignments received between three to four months after delivery: 50% of the relevant invoice amount.

Return consignments received by the Seller after four months or more following delivery are not accepted.

Article 7 Processing and packaging

7.1. If the Buyer requires a special treatment for the products the related costs shall be for the Buyer's account.

7.2. The products will be packed in the Seller's packaging. The costs of this packing and the packaging shall be for the Buyer's account. The packing and packaging shall not be taken back, except in the event that the stipulations of Article 4.5 apply.

Article 8 Retention of title

8.1. The goods delivered by the Seller shall remain the Seller's property and the Seller will also become the owner of the products resulting from the goods until the Buyer has paid the purchase price and the Buyer has fully fulfilled all of its other obligations, arising from whatever reason, towards the Seller.

The above stipulations of Paragraph 1 shall apply irrespective of the manner in which the delivered goods or the products resulting from them have been planted and/or connected to a medium and/or substrate.

8.2. Goods delivered by the Seller, covered by the retention of title pursuant to Paragraph 1 can only be resold or used in the framework of ordinary business operations. In the event that they are resold the Buyer shall both require from its buyers a retention of title described Sub Paragraph 1 and, to ensure by means of a perpetual clause to be imposed, that third parties undertake to immediately send the Seller the records of consignment numbers of the goods and the products resulting from them, so that all the delivered goods can be traced to third parties.

8.3. The Buyer is not permitted to pledge the goods or to vest any other right in them.

8.4. The Buyer shall pay the costs to be incurred by the Seller in this context.

Article 9 Payment

9.1. Payments shall be made within 30 days after the invoice date at the Seller's offices. After this term has lapsed the Buyer is in default. In the event of late payment for deliveries made in the Netherlands, the Buyer shall pay 1% interest per month or per part of a month on the payable amount as of the time at which the Buyer is in default. In the event of late payment for deliveries outside the Netherlands, the Buyer shall pay 1½ % per month on the invoice amount.

In the event of the Buyer's default, the Seller has the right to charge any exchange rate loss incurred as a result to the Buyer's account.

9.2. In the event of the Buyer's liquidation, bankruptcy or suspension of payments, the payments owed by the Buyer shall be immediately payable and the Seller shall have the right to suspend the further execution of the agreement, and/or to dissolve the agreement, all this without prejudice to the Seller's right to claim damages.

9.3. If payment in instalments has been agreed, the entire remaining amount shall be immediately payable without any notice of default being required, in the event of late payment of an instalment. The stipulations of the last three sentences of Article 9, Paragraph 1, shall apply by analogy.

9.4. The Buyer is not permitted to set off any amount against the purchase price to be paid pursuant to a claim from the Buyer on the Seller or to compensate or suspend the payment of the price in any other way.

9.5. The Seller reserves the right not to carry out orders if previous deliveries have not been paid by the Buyer within the agreed payment term. The Seller is not responsible for any damage to the Buyer as a consequence of such non-delivery.

Article 10 Collection costs

If the Buyer is in default with regard to one or more of its obligations, all extra judicial collection costs incurred to obtain payment as well as judicial costs shall be for the Buyer's account, with a minimum of 15% of the invoice amount.

Article 11 Liability

11.1. The Seller is not responsible for any damage as a consequence of any defect in the delivered goods. If the Buyer claims a defect in the delivered goods, the Buyer shall lodge a complaint in compliance with Article 13. The complaint must be described in such a way that it can be verified by the Seller or a third party.

11.2. The Buyer undertakes to limit the damage for which the Buyer lodges a complaint with the Seller as much as possible.

11.3. In the event of a justified and valid complaint from the Buyer, the Seller's liability shall be limited to the invoice value of the goods, excluding VAT, unless there is gross negligence

or intention on the part of the Seller and/or its Buyers. The Seller shall at any rate never be liable for any form of indirect damage to the Buyer, including, but not limited to indirect and/or consequential damage or loss of profit. The Seller shall furthermore at any rate not be liable for damage caused by the alleged delays in the delivery of the goods.

11.4. Any possible damage claim pursuant to these General Terms and Conditions shall be precluded by the lapse of time if and as soon as one year has lapsed after the delivery of the goods concerned, if such claim has not been submitted to the Seller in writing and sent by registered letter.

Article 12 Usage and guarantee

12.1. The Seller guarantees that the goods it is to deliver shall meet the specifications for these goods as much as possible. No guarantees apply to the product specifications.

12.2. The goods delivered by the Seller are exclusively intended for the growing of crops intended for human or animal usage and/or consumption. The Buyer explicitly acknowledges that the degree of growth of the crops resulting from and/or bred from the purchased goods, even if of the highest quality, depends to a decisive extent on the cultivation method, weather and soil conditions and the Buyer's knowledge.

12.3. Any guarantee of the Seller shall be cancelled if the Buyer processes the delivered goods or has them processed, treats the goods or has them treated, re-packs the goods or has them re-packed, or incorrectly uses and/or stores the goods and/or has them used and/or stored in an incorrect manner.

Article 13 Defects; complaint terms

13.1. The Buyer shall inspect the purchased goods upon delivery – or as soon thereafter as possible. The Buyer shall verify whether the delivered goods are in compliance with the agreement, namely:

- whether the correct goods have been delivered;
- whether the quantity of the delivered goods complies with that agreed;
- whether the delivered goods meet the agreed quality requirements or – if there are no such requirements – the requirements that can be expected for ordinary use and/or trade purposes.

13.2. If any visible defects or shortcomings are established, the Buyer shall report them to the Seller within 5 working days after delivery in writing, stating the consignment, consignment note and/or invoice data.

13.3. The Buyer shall report any invisible defects to the Seller in writing, stating the consignment, consignment note and/or invoice data within 5 working days and/or after the time at which the Buyer could reasonably have discovered them.

13.4. If the Buyer does not report the defects within the above-mentioned terms, the Buyer's complaint will not be dealt with and its rights will become void.

13.5. In the event of a lasting dispute between the parties with regard to the germinative capacity, the pedigree, the purity of the race and technical purity, a (re) inspection can be carried out by the NAK Tuinbouw, which has its offices in Roelofsarendsveen, the Netherlands, at the request of one of the parties, for the account of the party found to be in error. The results of this (re)inspection shall be binding for both parties, without prejudice to the parties' right to submit disputes regarding the consequences of such results to the institutions mentioned in Article 20.

Article 14 Cultivation advice

The cultivation advice given by the Seller is without engagement. The Seller shall under no circumstances be liable for any deviating results in the cultivated product on the grounds of the cultivation advice given. The Buyer itself shall assess whether the goods and/or advice is suitable for application to the envisaged cultivation, respectively under the local conditions.

Article 15 Force majeure

15.1. The term force majeure shall be taken to mean the circumstances that obstruct the fulfilment of the agreement and which cannot be attributed to the Seller. These shall include, if and

to the extent these circumstances render such fulfilment impossible or unreasonably difficult: strikes at other companies than that of the Seller, wildcat strikes or political strikes at the Seller's company, a general lack of required raw materials and other goods or services required for the agreed performance, unforeseeable delays in the supply from suppliers or other third parties on which the Seller is dependent and general transport problems.

15.2. The Seller shall notify the Buyer as soon as possible if the Seller is unable to deliver or unable to deliver in a timely manner due to force majeure.

15.3. If the situation of force majeure continues for more than two months, both parties shall have the right to dissolve the agreement. In such instances the Seller shall not be liable to pay any damages.

Art.16 Plant breeder's rights or contractual protection of original species

16.1. Without prejudice to the provisions of the Zaaizaad- en Plantgoedwet [Seeds and Planting Materials Act], the stipulations of the following paragraphs shall apply to plant breeder's rights and the protection of original species, insofar as no other stipulation has been provided in a written agreement.

16.2. Parent material of species protected by any plant breeder's right applied for or granted in the Netherlands and/or any other country, and/or by means of a perpetual clause, shall not be used for reproduction or trade.

16.3. The product, resulting from the vegetable material delivered to the Buyer shall only be sold by its name (of the species) and possible trade name.

16.4. The Buyer shall, if requested, give the Seller access to the part of its business premises where the delivered goods are located at any time, so as to enable the Seller to inspect the usage of such goods. The Seller shall notify the Buyer of its visit in a timely manner.

16.5. If the Buyer finds a mutant in the protected species, the Buyer shall report this immediately to the holder of the plant breeder's right by registered letter.

16.6. Upon request, the Buyer shall, as soon as possible after detecting the mutant, make available to the Seller materials of the mutant for testing purposes without charge. If the Buyer maintains the mutant, the Seller shall have the right to request material of the mutant for a period of two years after the Seller has been notified in writing of the detection of the mutant by the Buyer, and the Buyer shall make such material available to the Seller without charge.

16.7. In particular, the Buyer is aware of the fact that the finder of a mutant requires the permission of the holder of the plant breeder's right of the species from which the mutant is derived, to perform the following activities with regard to all the material of the species, including harvested material (and therefore also flowers, plants and parts of plants), namely:

- a. producing or multiplying (reproducing);
- b. conditioning for the purpose of multiplication;
- c. offering for sale;
- d. selling or otherwise marketing;
- e. exporting;
- f. importing;
- g. storing for one of the purposes mentioned Sub a. and f.

16.8. The Buyer indemnifies the Seller for any damages the Seller has incurred as a result of any violation of plant breeder's rights or other intellectual property rights and/or perpetual clauses in the framework of acts performed for the purpose of carrying out the order.

16.9. The Buyer undertakes to fully cooperate as desired by the Seller, including cooperating with the collection of evidence, in the event that the Seller is engaged in legal proceedings with regard to plant breeder's rights or other intellectual property rights.

Article 17 Use of trademarks, signs and other indications

17.1. Unless agreed otherwise in writing, the Buyer is not permitted to use trademarks, signs and other marks used by the Seller to distinguish

its goods from those of other businesses, and/or to use identical trademarks, signs and other marks, such with the exception of trading the goods in their original packaging on which trademarks, signs and other indications have been applied by or for the Seller itself.

17.2. If the delivered goods are resold, this stipulation shall also be imposed upon the Buyer's own buyer, on penalty of paying damages.

Article 18 Indemnification

18.1. The Buyer indemnifies the Seller against any and all claims of third parties for damages which have (allegedly) been caused by or are otherwise connected with any goods delivered by the Seller, including claims filed against the Seller in its capacity as the producer of the goods pursuant to an arrangement with regard to product liability in whatever country, unless such damage is caused by gross negligence or intention on the part of the Seller.

18.2. The Buyer undertakes to take out adequate insurance against any possible claim arising from the indemnification provided for in Article 18.1 above, which insurance shall be submitted to the seller for approval at the Seller's first request.

Article 19 Definition of Terms

The definitions of the terms used by the Seller, in all of its statements, which describe the response of the plants to pests and diseases are as follows:

Immunity: the plant variety is not affected by a specific pest or disease.

High resistance (HR): the plant variety greatly limits the growth and development of a specific pest or disease under normal pest or disease pressure, compared to susceptible plant varieties. However, these varieties can show some disease symptoms or damage when pest or disease pressure is high.

Intermediary resistance (IR): the plant variety limits the growth and development of a specific pest or disease, but may show more symptoms compared to highly resistant varieties. Varieties with intermediary resistance will show less serious disease symptoms or damage than susceptible varieties under comparable environmental circumstances and/or pest or disease pressure. **Susceptible:** the inability of a plant variety to limit the growth and development of a specific pest or disease.

Tolerance: the ability of a plant variety to bear abiotic pressure without serious consequences for its growth, appearance and yield.

Article 20 Disputes

20.1. The parties shall in the first instance try to settle any disputes arising from or in connection with this agreement amicably

20.2. Any disputes arising from or in connection with this agreement shall, if the parties have mutually agreed to arbitration, be settled by the competent civil district court of in the first instance of Amsterdam, unless the applicable mandatory provisions of the law chosen in Article 22 stipulate that another court is competent. However, the Seller shall remain authorised to summon the Buyer to appear before the court declared competent according to the law of the relevant international convention.

Article 21 Modifications

21.1. If any stipulation of these terms and conditions is null and void, it shall automatically be replaced by a valid stipulation which, to the greatest extent possible has the same meaning as the void stipulation.

21.2. In the event that any of the stipulations of these terms and conditions is null and void, the other stipulations shall retain their validity as much as possible.

Article 22 Applicable law

Any agreement between the Seller and the Buyer shall be governed by the law of the Seller's country.

If the Seller and Buyer have their offices in different countries, the 'United Nations Convention on Contracts for the International Sale of Goods' shall also apply, to the extent that it does not deviate from these terms and conditions and insofar as it is not contrary to the mandatory legislative provisions of the Seller's country.

December 2004



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