



The art of Flower Meadows





BERTRAND

Seed producer since 1947

1947 - 2022

*75 years of passion,
between tradition & innovation!*

Welcome to the new edition of our catalogue "The Art of Flower Meadows". This year, Graines Bertrand is celebrating its 75th springtime in style! Our production model rooted in the territory, in the open field and with respect for natural cycles, is more relevant than ever after the global crisis we have faced. Our production site in Longué-Jumelles, in the Loire Valley, employs 15 people and provides work for nearly 150 farmers-multipliers under contract in the western region of France and in the Rhône Valley. In the year 2021, we broke our tonnage record with 80 tons of seed produced to meet the demand, which is currently exceptional.

Sowing flower meadows, as you know, is an innovative solution for bloom and re-vegetation that responds to our fellow citizens' need for nature as well as the issues raised by the new zero-pesticide order in a relevant and efficient way. The production method for these seeds requires little energy, and the same is true of the preservation of the seeds and the use of the mixes on the ground. No greenhouse, no potting soil, no plastic pots, for a result worthy of a traditional flower display, thanks to our blends which are tested and improved every year.

To go even further, after 3 years of work, we are now in a position to offer you a new range of seed mixes produced through 100% organic methods, which can be found on page 13. We are also pursuing our propagations of indigenous flower seeds under the Végétal Local® brand. This is a long and difficult task whose results we hope to be able to share with you in the next edition of this catalogue!

We thank you for your loyalty and, as always, we will be delighted to advise you and direct you to our regional distributors.

Your Graines BERTRAND team

OPEN DAYS

In September 2022, we are inviting our customers to our field days for a special anniversary edition! The dates will be announced on our website.



ORGANIC AGRICULTURE

Bertrand is the largest organic flower seed producer in France and perhaps beyond! We explain more on page 12!



VÉGÉTAL LOCAL®

As the beneficiary of the collective brand Végétal Local® since its creation in 2015, we are in the pre-propagation stage of seeds of herbaceous species originating from the Southern Parisian Basin zone.





*French
Producer
since 1947*
Discover our history
and our profession p.4-5



*75 years
of passion*
Discover the art of
Flower Meadows p.6-7



Solutions / Inspirations
For ever more green in the city p.8-11



*Succeeding
in sowing*
Our technical guide p.66-67

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ALL OUR FLOWERS

p.62

*Discover also all our Flower Meadows
on our website :*

www.bertrand-flowers.com

Our profession:

PRODUCE QUALITY SEEDS



French producer since 1947!

It was in Angers, in 1947, that two passionate brothers created their company selling flower seeds. At that time, this choice showed Bertrand's audacity: to abandon the attractive market of vegetable seeds in order to focus on a speciality: the production of flower seeds, a just emerging market.

Located in the heart of the Anjou region, the world's biggest seed production site, their company has accumulated 75 years of experience and know-how which today has earned "Graines Bertrand" a reputation for quality in France and abroad. In 2016, Bertrand became a subsidiary of the Dutch company EconSeeds, which then relocated most of its production in France and opened up new export markets for Bertrand seeds.



Control the quality of the products

PRODUCTION

- 600 variety multiplication contracts per year
- 150 farmers-multipliers
- 380 ha of seed plants monitored by our technicians

Keep and identify each seed

STORAGE

- 1500 varieties stored under controlled humidity and temperature conditions
- Maintaining the intrinsic qualities of the seed
- Identification of each batch





Add value to each flower seed
PROCESS

- Machine reliability and human assessment
- Meticulous sorting and precision cleaning
- Optimisation of batch specific purity



Guarantee our offer
LABORATORY

- 60 years of product-guarantee
- 5000 batches tested per year
- 800 defined and recognised protocols



Our passion:

THE ART OF FLOWER MEADOWS



A passionate creator!

Thanks to its expertise as a flower seeds producer, Graines Bertrand has been creating flower meadows for 60 years, constantly seeking the most ingenious and harmonious combinations. The passion behind the birth of a new blend of flower seeds is just as inspiring as the winemaker's passion who, after the care given to his grapevines, will combine his juices with perfection for his new vintage!

The diversity of species, including some quite surprising ones, is sure to make a lively change! The contrasting colours, heights and growth habits also make for an atmosphere that is far different from that of traditional flowerbeds. But it is in particular the everyday changes in the flower mix that create a peaceful and natural ambience, which is always colourful and cannot possibly leave the observer indifferent.

Evolution of the "Hardy Flowers" mix



June



July

August/September



Pioneer committed to biodiversity

The first Bertrand flower mixes were created and marketed in 1963. In 1999, anticipating the emerging trend of low-input bloom, a new development program was launched which would culminate in the publication of the first catalogue entirely dedicated to flower mixes in 2004 called "Guide to alternative practices" [Guide des pratiques alternatives].



Through the experience of Bertrand's technicians and with the help of numerous partners, the mixes have progressively become more sophisticated to help address the challenges of sustainable development. Today, the usefulness of flower mixes to encourage biodiversity has been demonstrated by scientists and ecologists, and our latest creations provide relevant solutions to aid the switch to zero use of pesticides (France's "zéro phyto" programme) in communities.

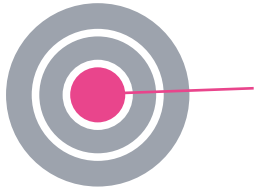
*Our commitment:
years of testing
to guarantee our offering*

By producing in France, we can monitor our crops as closely as possible and obtain plants that are adapted to the European climate. We select the "elite" seed plants (or "basis seeds") on our 2 Naudières and Bricardières farms, which are then entrusted to a network of farmers-multipliers based in the greater Centre-Val de Loire region.

Flower mixes are only marketed after years of full-scale testing. Each year, our test site presents all 100 compositions described in this catalogue and allows us to study and test our new arrangements. From mid-August to the end of September, you can visit this test site by making an appointment: don't hesitate to come and look for ideas and tips!



Overview of our trial grounds



Inspiration book *City centre*

PARKS AND GARDENS, ROUNDABOUTS,
PRESTIGIOUS MONUMENTS

The Aesthetics

p.17



p.25 "Vanilla-Strawberry" Carpet in Barby (73)



p.20 "Mediterranean" Carpet at the Château de Montrou (49)



p.18 Little Carpet "Pearls of Tenderness" at the Château de Montrou (49)



p.23 "Pastel" Carpet in a private garden (56)



p.26 "Orange Flash" Carpet in Cambou-les-Bains (64)

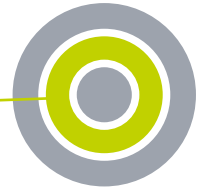


p.19 Little Carpet "Multicolour" in Brittany



p.23 "Cosmic Journey" Carpet in Angers

Inspiration book Suburban Areas



DECORATION FOR ROADSIDES,
INDUSTRIAL ZONES, AND MORE

The Landscapers p.35

The Fallow Mixtures p.59



Special Composition in Vannes (56)



"Flowers of the Countryside" in Botz-en-Mauges (49) p.36



p.61 "Flowery Countryside" in Barby (73)



p.42 "Flowers for Everywhere" in Les-Ponts-de-Cé (49)



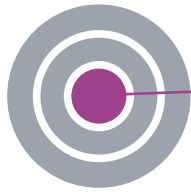
p.38 "Meadow Glints" in Albertville (73)



p.36 "Hardy Flowers" in Ardoisières de Trélazé (49)



p.45 "Flowers for Rocky Places" in Brittany



Inspiration book *Zero Pesticide*

AT THE FOOT OF WALLS OR TREES,
CEMETERIES, PERMEABLE SURFACES

The Specifics

p.41

The Perennials

p.47



p.49 "Flowery Ground-Cover" in Angers



p.43 "Flowers for Foot of Walls" in Locmiquelic (56)



p.44 "Super Dwarf Flowers" in Chemillé (49)



p.42 "Flowers for Everywhere" in Faye d'Anjou (49)



p.43 "Flowers for Foot of Walls" in Melay (49)

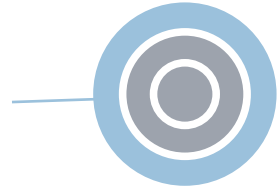


p.43 "Flowers for Foot of Walls" in Locmiquelic (56)



p.48 "Perennial Semi-tall Varieties" in Faye d'Anjou (49)

Inspiration book Biodiversity



PRESERVING WILDLIFE,
PROTECTING CROPS ...

The Ecosystems

p.51



p.54 "Bées and Co." in Saint-Avé (56)



The Follow Mixtures

p.59



p.53 OXIPOLI® annual in a floral strip in a marrow bed (37)



p.52 "IPM Flowers from Nature" in a nursery border (49)

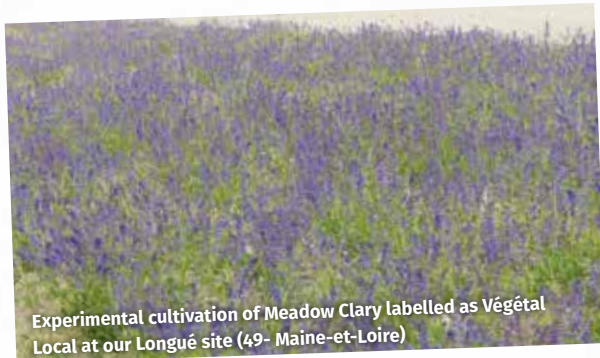


p.55 "Honey & Butterflies" at Fontevraud Abbey (49)

Our production of organic seeds



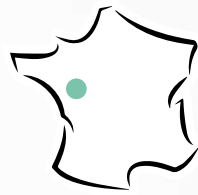
Organic seed crop of Blue Boy cornflower and safflower in Tigné (49- Maine-et-Loire)



Experimental cultivation of Meadow Clary labelled as Végétal Local at our Longué site (49- Maine-et-Loire)



Organic cultivation of French marigold 'Queen Sophia' in a microparcel with tomatoes in Montilliers



Established in Maine-et-Loire **since 1947**, in the heart of the top seed production basin in Europe and one of France's most dynamic regions in organic agriculture, what could be more natural than for Bertrand to convert a part of its production? Thanks to our network of **150 farmers-multipliers in the greater western region of France**, we are very proud to be able to offer you **40 varieties of locally produced**, certified organic flowers and **6 mixes** of useful, melliferous, or edible flowers. Our unique expertise in flower mixes and our roots as a producer thus allow us to offer **diversified mixes** of unparalleled quality, at last **compatible with organic agriculture!**

Harvest
2021

40

Varieties

33

hectares

5.5

tonnes

15

farmers

THE **NEW**
100% ORGANIC

#ZERO CHEMICAL INPUTS



BERTRAND is committed to local

Support French production that respects the environment with Graines Bertrand!

The pioneering flower meadow brand now offers 6 of its best formulas, produced using 100% organic seed, thanks to its network of 150 partner farmers in the greater western region.

SPRING SOWING

March to June

DENSITY OF SOWING

1 to 5 g/m²

FLOWERING IN SUMMER

6 to 12 weeks after sowing

TO BE RENEWED EVERY YEAR

on fresh soil



Edible Flowers ORGANIC 50-70 cm



OXIPOLI® ORGANIC annual <60-80 cm



Annuals for Birds ORGANIC 60-120 cm



Summer Cut Flowers ORGANIC 60-100 cm



Bees and Co. ORGANIC 60-100 cm



Fallow for Bees ORGANIC 40-70 cm

NEW




BI08649


Edible Flowers ORGANIC



A cheerful edible mix of flowers and aromatic herbs, produced using 100% organic seed. Primarily used to adorn dishes, these flowers will also be valuable in elevating summer salads thanks to the lively petal colours and their incredible taste, like borage with its iodic flavour, or nasturtium with its spicy, peppery taste.

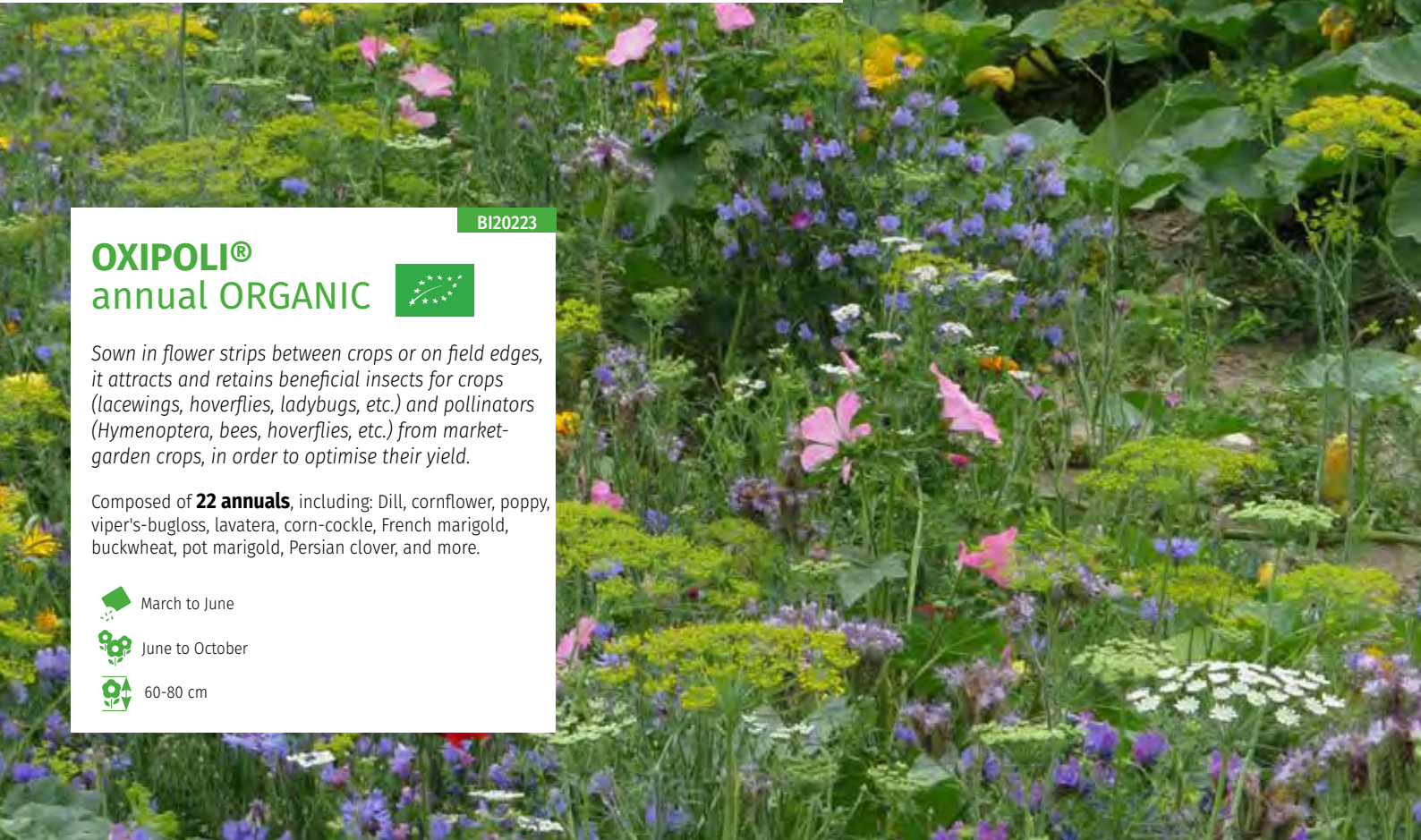
Composed of **18 annuals**, including: dill, borage, basil, dwarf nasturtium, Centaurea 'Blue Boy', Cosmos Sensation and Bright Lights, common mallow, French marigold, marigold, dwarf sunflower, and more.

 April to June

 July to October

 50-70 cm

The first assortment of 100% ORGANIC flower mixes!




BI20223


OXIPOLI® annual ORGANIC



Sown in flower strips between crops or on field edges, it attracts and retains beneficial insects for crops (lacewings, hoverflies, ladybugs, etc.) and pollinators (Hymenoptera, bees, hoverflies, etc.) from market-garden crops, in order to optimise their yield.

Composed of **22 annuals**, including: Dill, cornflower, poppy, viper's-bugloss, lavatera, corn-cockle, French marigold, buckwheat, pot marigold, Persian clover, and more.

 March to June


 June to October


 60-80 cm

Annuals for Birds ORGANIC BI08667

Do not cut back after flowering to allow birds to feed on the seeds throughout the winter: this is natural and aligned with their diet.

Composed of **12 annuals**, including: Safflower, Centaurea 'Blue Boy', poppy, Cosmos Sensation, corn marigold, red flax, tall French marigold, Tithonia, sunflower, and more.

 March to June

 June to October

 60-100 cm




Summer Cut Flowers ORGANIC BI08353

A mix of tall flowers allows the creation of magnificent country-style bouquets all summer long.

Composed of **17 annuals**, including: Cornflower, poppy, Cosmos, corncockle, lavatera, nigella, pot marigold, sunflower, zinnia, and more.

 March to June

 June to October


 60-100 cm




Fallow for Bees ORGANIC BI20225

An economical and high-performance formula that provides good coverage and long-lasting bloom, compatible with organic agriculture with no dispensation requirement as it is 100% ORGANIC. EFA compatible (Ecological Focus Area).

Composed of **13 annuals**, including: Borage, poppy, Centaurea 'Blue Boy', birdsfoot trefoil, California bluebell, mallow, love-in-a-mist, sainfoin, buckwheat, pot marigold, dwarf sunflower, Persian clover, and more.

 March to July


 July to October


 40-70 cm


Bees and Co. ORGANIC BI08636

This highly diversified mix of annual flowers rich in nectar and in pollen has the purpose of nourishing wild and domesticated bees over a long period.

Composed of **22 annuals**, including: Centaurea 'Blue Boy', poppy, Cosmos Sensation, Cosmos Bright Lights, corn marigold, viper's-bugloss, lupin, mallow, single French marigold, corn-cockle, sunflower, zinnia, and more.

 March to June

 June to October

 60-100 cm



40 cm



Little Carpet Ultramarine p.18



Little Carpet Pearls of Tenderness p.18



Little Carpet Persian p.18



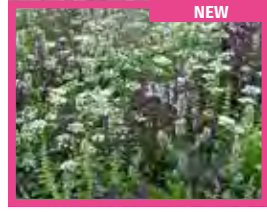
Little Carpet for Bees p.18



Little Carpet Multicolour p.19



Priester Garden p.32



Kick! Mosquito p.32



Carpet Thousand Lights p.20



Carpet California p.20



Carpet Mediterranean Meadows p.20



Medieval Carpet p.21



Carpet Pastel Shades p.23



Carpet Vanilla-Strawberry p.25



Edible Flowers p.31



Summer Express p.29



Summer Tricolour p.24



Carpet Flower Dreams p.23



Yellow Shades p.28



Flowers for Dyes p.32



Flowers for Dry Arrangements p.30



Carpet Tricolour p.22



Carpet In the Pink p.22



Carpet Orange Flash p.26



Carpet Flower Power p.26



Summer Multicolour p.29



Carpet Chambord p.24



Carpet Loire Valley p.24



Carpet Red and Gold p.26



Orange Shades p.28



Summer Cut Flowers p.30



Blue Shades p.28



Pink Shades p.27



Carpet Mexico p.27



Red Shades p.28



Summer Fast and Long p.29



White Shades p.28



Carpet Cosmic Journey p.23



Sunflower Rise p.27



Sunflowers and climbing flowers p.33



Climbing Flowers p.33

40 - 70 cm

70 - 100 cm

120 cm or more

THE AESTHETICS

#ANNUAL BLOOM



SPRING SOWING

March to June

DENSITY OF SOWING

2 to 5 g/m²

FLOWERING IN SUMMER

6 to 12 weeks
after sowing

TO BE RENEWED EVERY YEAR

on fresh soil

- ANNUAL MIXES
- THE MOST DECORATIVE
- WIDE SELECTION
OF FLORAL SETTINGS,
particularly suitable for urban and periurban
blooms such as roundabouts, avenues,
close to a castle or a church...

The Minis

Edges of flowerbeds, planters and window boxes

Little Carpet Ultramarine MP08711

Composed of **16 annuals**, including: Annual Alyssum, dwarf cornflower, dwarf Morning Glory, California Bluebell, Echium, annual Candytuft, Love-in-a-Mist, Petunia, and more.

March - April - May - June  July - September  20-40 cm



Little Carpet Persian MP08689

Composed of **8 annuals**, including: Mexican Zinnia, Pot Marigold, Cosmos sulphureus, Coreopsis, Eschscholzia...

April - May - June  June - September  20-40 cm



Little Carpet For Bees MP08612

Composed of **14 annuals** and **7 perennials**, including: annual alyssum, dwarf Centaurea, sulphur cosmos, lemon balm, various sages, dwarf pot marigold, Reseda.

April - May - June  June - September  20-30 cm

Little Carpet Pearls of Tenderness MP08710

Composed of **16 annuals**, including: Annual Candytuft, Dwarf Morning Glory, Godetia, Rose of Heaven corncockle, Virginia stock, Silene, Nigella...

April - May - June  June - September  20-40 cm



MP08722

Little Carpet Multicolour

Composed of **28 annuals**, including:
Linaria, Virginia stock, Dwarf Morning
Glory, Pot Marigold, Eschscholzia, annual
Candytuft, Zinnia, Silene, Coreopsis,
Dimorphothea, Sanvitalia, Alyssum,
annual Lupin...



March - **April** - **May** - June



June - September



20-40 cm

A sound investment in any situation!



Early sowing



Late sowing

Carpet California

MP08801


NEW

Mix inspired by the meadows of California. This highly melliferous mix tolerates dry summers well.

Composed of **16 annuals**, including: Clarkia, marigold, dwarf coreopsis, California poppy, baby's breath, Layia, scarlet flax, and more.

 March - **April** - **May** - June

 July - August

 40-60 cm




Carpet Mediterranean

MP08805

This multicoloured composition with azure tones enjoys the warmth of the Mediterranean basin's latitudes.

Composed of **15 annuals**, including: Zinnia, Marigold, Cornflower, Poppy, Fennel, annual Lupin, Nolana, Purslane...

 April - **May** - June

 July - September

 40-60 cm


Carpet Thousand Lights

MP08598

This mix in bold, lively colours withstands both bad weather and heatwaves well.

Composed of **16 annuals**, including: Zinnia, marigold, annual flax, California poppy, sulphur cosmos, corncockle, Coreopsis, annual lupin, and more.

 April - **May** - June

 July - September

 40-60 cm



The *ambiances* SEMI-TALL MIXES



MP08338

Medieval Carpet

Composed of species already present in our Middle Ages countryside, this is a mix that takes root quickly and easily in all latitudes.

Composed of **11 annuals**, including:
Marigold, annual Flax, Malope,
Cornflower, Viper's Bugloss, Borage,
Love-in-a-Mist...



March - **April** - **May** - June



July - September



50-60 cm



The Fresh Tones


Carpet Blue Fields

MP08620

An homage to cornflowers, this is our most beautiful blue mix thanks to a touch of white.

Composed of **17 annuals**, including: Cornflower, Zinnia, Malope, Flax, Sweet Sultan, Gilia capitata, Ageratum, Dwarf Morning Glory, Ammi Majus, annual Clary, Chinese Hound's Tongue...

 April - **May** - June

 July to September

 60-70 cm



For your foregrounds,
ALSO CONSIDER
our little carpets!
 see page 18

Little Carpet Ultramarine

Little Carpet Pearls of Tenderness




Carpet In the Pink


MP08682

Combining sweetness and strength of character, this mix is a true ode to femininity, as well as a sound investment that has proven its worth since its creation.

Composed of **12 annuals**, including: Zinnia, Cosmos, Mallow, Malope, Cow Soapwort, annual Baby's Breath, annual Everlasting Flower, Cleome...

 April - **May** - June

 July to September

 60-100 cm





MP08695

Carpet Cosmic Journey

Much more than a flower mix, this is truly an invitation to embark on a journey to a universe of freshness and lightness.

Composed of **6** annuals:
Cosmos, Mallow, Cornflower, Cow Soapwort, Nigella, Clarkia.



April - **May** - June



July to September



70-130 cm

Carpet Flower Dreams

MP20148

Composed of **23** annuals, including: Dwarf Morning glory, Cornflower, Kochia, Zinnia, Echium, Linaria, annual Flax, Cosmos, Cornflower, Sweet Sultan...



April - **May** - June



July to September



50-70 cm



Carpet Pastel Shades

MP20193

Composed of **11** annuals, including: Cleome, cornflower, dwarf Cosmos, annual baby's breath, Malope, common corn-cockle, Phacelia campanularia, statice...



April - **May** - June



July to September



40-60 cm



The Contrasts




MP08864

Carpet Loire Valley

An audacious combination of sweet pink and mustard yellow, in homage to the sweetness of our climate and our region.

Composed of **15 annuals**, including: Zinnia, Cosmos, yellow Eschscholzia, African Marigold, Linaria, Marigold, Mallow, Dill, Basil...


 April - **May** - June


 July - October

 60-100 cm

Carpet Tricolour MP20147

Composed of **29 annuals**, including: Cornflower, Poppy, Cosmos, Flax, Mallow, Zinnia, annual Candytuft, Cow Soapwort, annual Baby's Breath, annual Coreopsis, Ageratum, Ammi Majus...

 April - **May** - June


 July - September


 60-80 cm




Carpet Chambord MP08692

Composed of **24 annuals**, including: Marigold, Zinnia, Sunflower, Dwarf Morning Glory, Cornflower, Coreopsis, Corn Marigold, Echium, Ageratum, Gilia capitata, Flax, Chinese Hound's Tongue...

 April - **May** - June

 July - September

 60-80 cm





MP08697

Carpet Vanilla Strawberry

Passion and sophistication characterise this classic blend in red and white, in a perfect balance that is always a hit.

Composed of **14 annuals**, including: Zinnia, annual Flax, Cosmos, Coreopsis, Poppy, Cow Soapwort, annual Baby's Breath, annual Candytuft..

 April - **May** - June

 July to September

 40-60 cm

The Warm Tones

MP08686

Carpet Red & Gold

A contrasting, powerful mix, primarily composed of giant zinnias whose colours are a match for each other.

Composed of **7 annuals**, including: Zinnia, Marigold, annual Coreopsis, Tithonia, African Marigold...

 April - **May** - June

 July - September

 60-90 cm



Carpet Flower Power

MP20145

Composed of **13 annuals**, including: Zinnia, Cosmos sulphureus, Bidens, Yellow Chamomile, French Marigold, Ageratum, Carthamus, Coreopsis...

 April - **May** - June

 June - September

 60-80 cm




Carpet Orange Flash

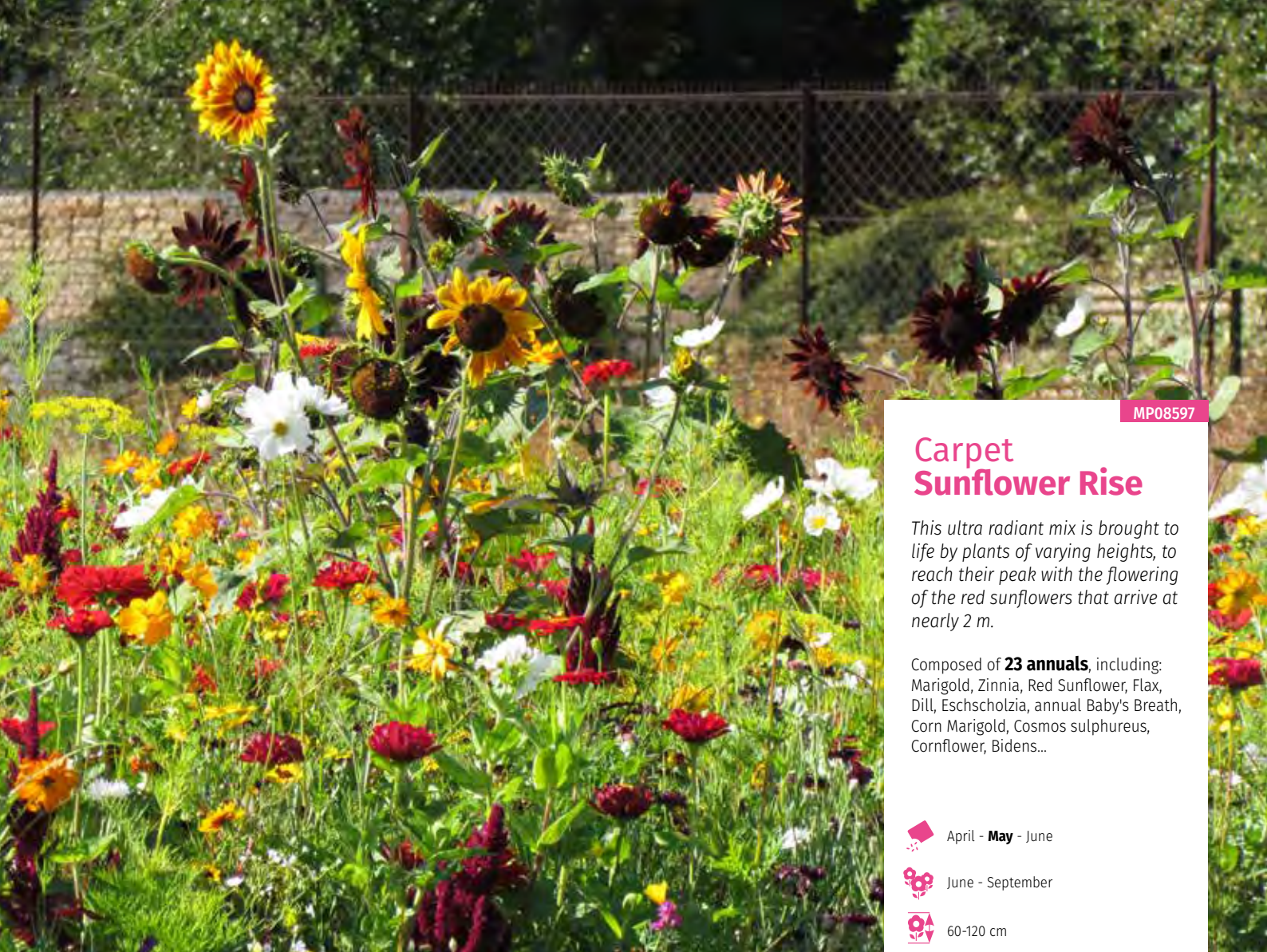
MP08361

Composed of **6 annuals**: Marigold, Zinnia, Cosmos sulphureus, Cosmos, Sunflower, Corn Marigold.

 April - **May** - June

 July - September

 60-100 cm



MP08597


Carpet Sunflower Rise

This ultra radiant mix is brought to life by plants of varying heights, to reach their peak with the flowering of the red sunflowers that arrive at nearly 2 m.

Composed of **23 annuals**, including: Marigold, Zinnia, Red Sunflower, Flax, Dill, Eschscholzia, annual Baby's Breath, Corn Marigold, Cosmos sulphureus, Cornflower, Bidens...

 April - **May** - June

 June - September

 60-120 cm

Carpet Mexico


MP08802

This rich carpet, composed of species originating in Mexico, is robust and very floral.

Composed of **15 annuals**, including: Coreopsis, sulphur cosmos, firecracker vine, African marigold, sunflower, Tithonia, Zinnia, and more.

 April - **May** - June

 June - September

 60-100 cm



NEW

For your foregrounds,
ALSO CONSIDER
our little carpets!
 see page 18

Little Carpet
 Persian



The Main Shades

Blooms in your colours!

March - April - May - June
June - September

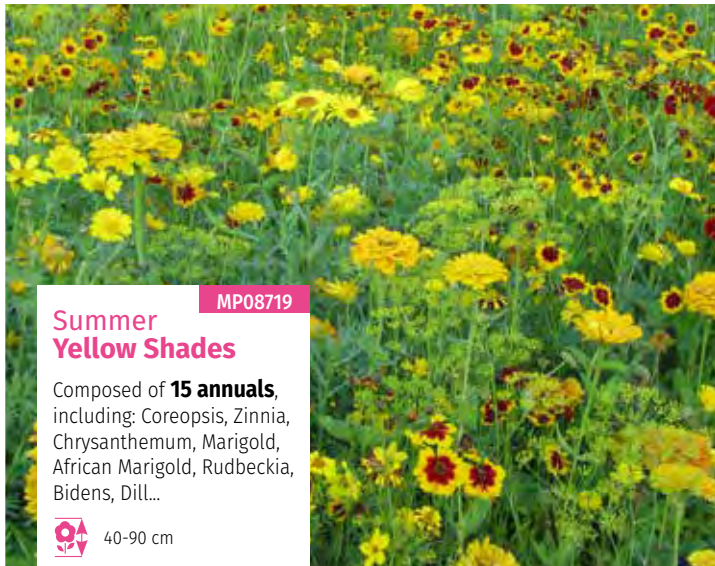


Summer White Shades

MP08716

Composed of **19 annuals**, including: Centaurea, Zinnia, Mallow, Malope, Candytuft, Cosmos, Dwarf Morning Glory, annual Baby's Breath, Clarkia...

40-100 cm



Summer Yellow Shades

MP08719

Composed of **15 annuals**, including: Coreopsis, Zinnia, Chrysanthemum, Marigold, African Marigold, Rudbeckia, Bidens, Dill...

40-90 cm

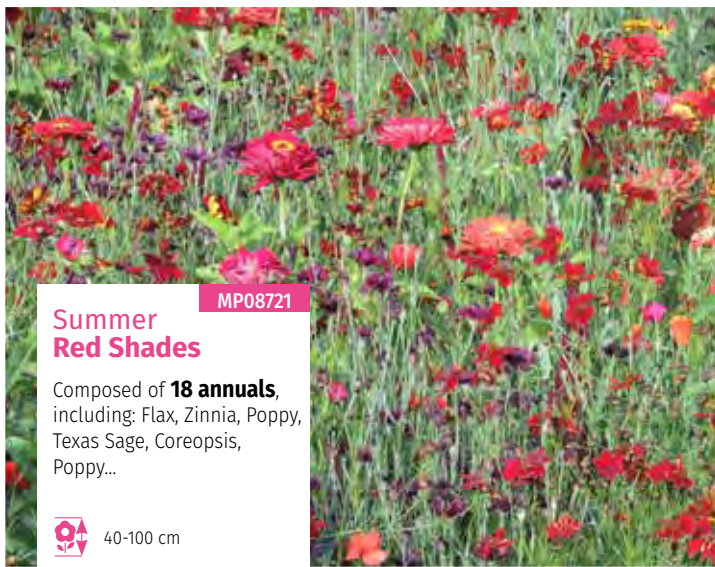


Summer Orange Shades

MP08720

Composed of **18 annuals**, including: Zinnia, Dimorphoteca, Cosmos sulphureus, Eschscholzia, Marigold, Carthamus, African Marigold...

40-90 cm

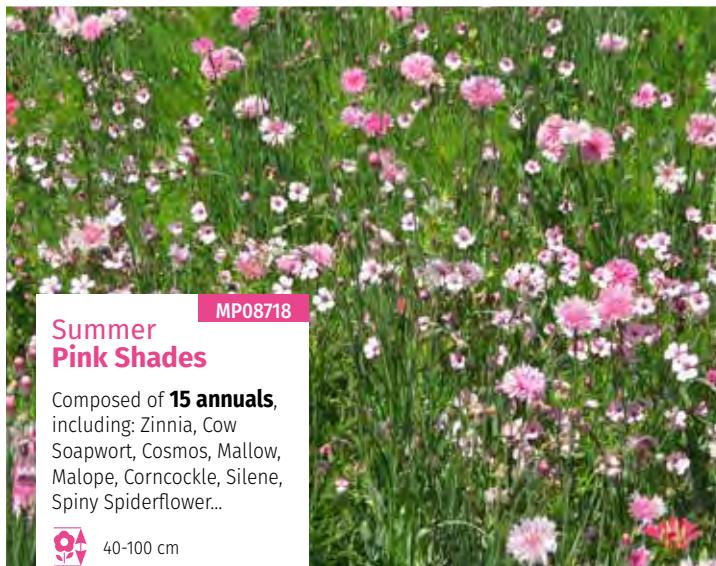


Summer Red Shades

MP08721

Composed of **18 annuals**, including: Flax, Zinnia, Poppy, Texas Sage, Coreopsis, Poppy...

40-100 cm

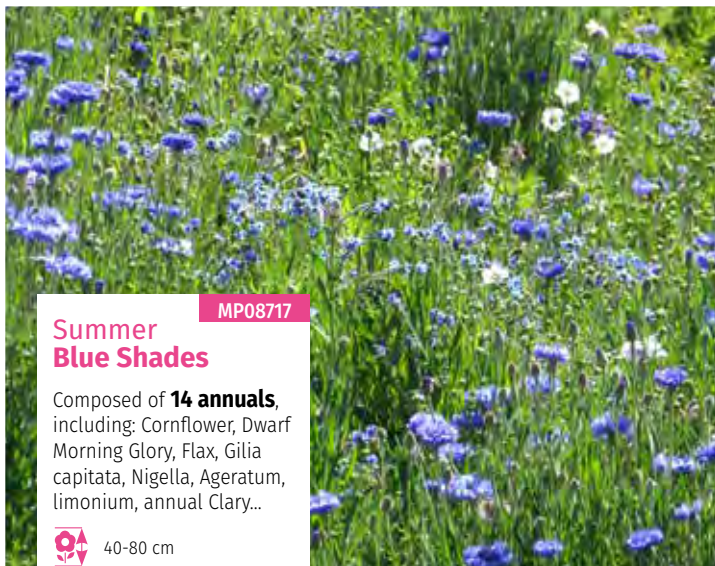


Summer Pink Shades

MP08718

Composed of **15 annuals**, including: Zinnia, Cow Soapwort, Cosmos, Mallow, Malope, Corncockle, Silene, Spiny Spiderflower...

40-100 cm

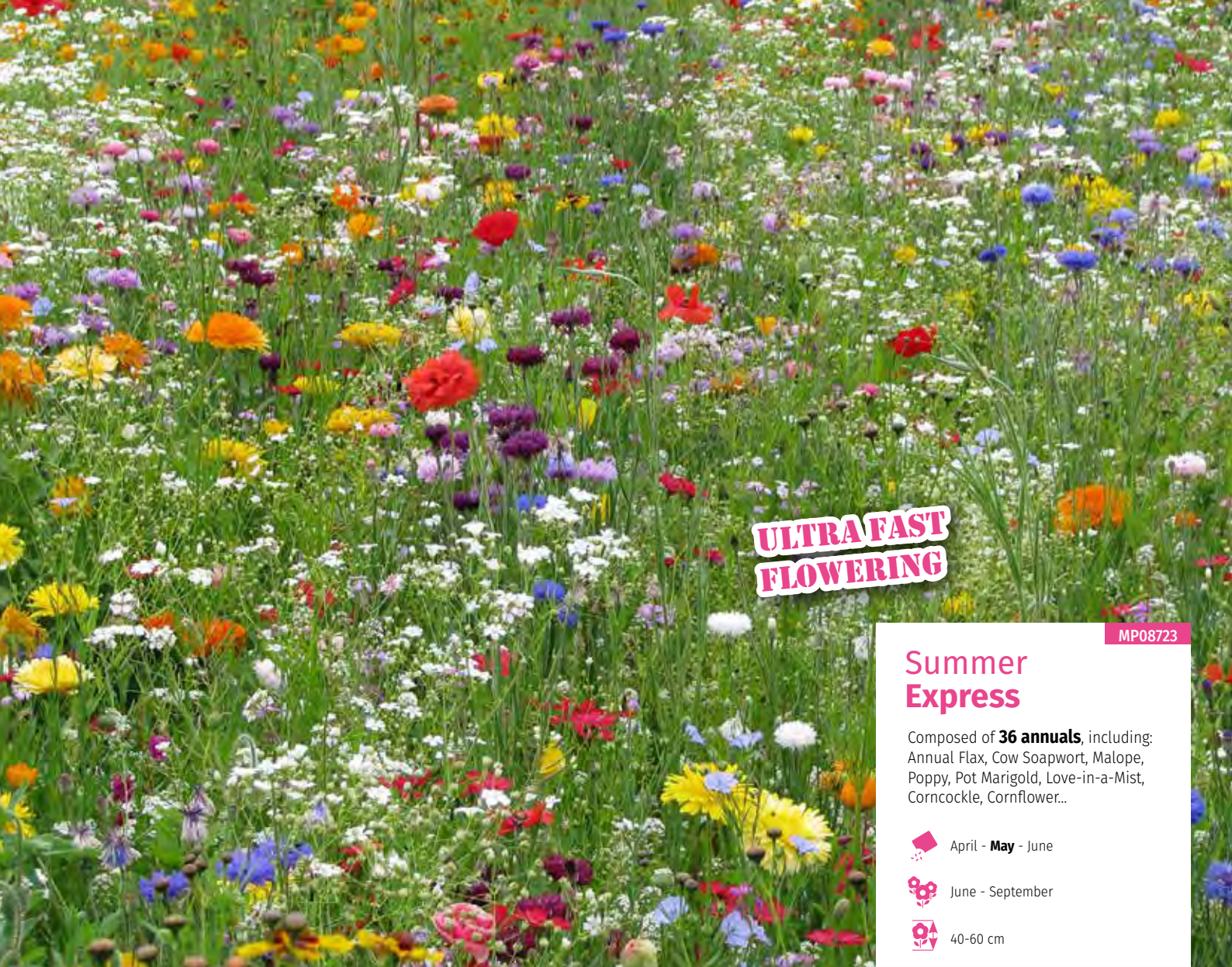


Summer Blue Shades

MP08717

Composed of **14 annuals**, including: Cornflower, Dwarf Morning Glory, Flax, Gilia capitata, Nigella, Ageratum, limonium, annual Clary...

40-80 cm




**ULTRA FAST
FLOWERING**

MP08723

Summer Express

Composed of **36 annuals**, including: Annual Flax, Cow Soapwort, Malope, Poppy, Pot Marigold, Love-in-a-Mist, Corncockle, Cornflower...

 April - **May** - June

 June - September

 40-60 cm

Summer Fast & Long

MP08596

Composed of **34 annuals**, including: Cosmos, Cornflower, Annual flax, Eschscholzia, Cow Soapwort, Virginia stock, Malope, Marigold, Corncockle, annual Alyssum, Silene, annual Poppy, annual Rudbeckia...

 April - **May** - June

 June - October

 40-100 cm





Summer Multicolour

MP08715

Composed of **31 annuals**, including: Cornflower, Annual flax, Malope, Coreopsis, Cosmos Sensation, Cosmos sulphureus, Mallow, Corncockle, Chrysanthemum, Zinnia, Marigold, African Marigold...

 April - **May** - June

 July - September

 50-80 cm



The Pickings

Flowers for Dry Arrangements

MP08350

NEW

Now back in the forefront, dried flowers make it possible to create natural and long-lasting compositions.

Composed of **14 annuals**, including: yarrow, amaranth, globe amaranth, safflower, strawflower, flax, love-in-a-mist, larkspur, statice, and more.

-  April - **May** - June
-  July - September
-  50-70 cm



Summer Cut Flowers

MP08353

Ideal for cut flowers.

Composed of **19 annuals**, including: Zinnia, Marigold, Cornflower, Malope, Cosmos, Mallow, annual Sweet Sultan, African Marigold, China Aster, annual Baby's Breath...

-  April - **May** - June
-  July - September
-  60-100 cm

Summer Cut Flowers ORGANIC

BI08353



Composed of **17 annuals**, including: Cornflower, poppy, Cosmos, corncockle, lavatera, nigella, pot marigold, sunflower, zinnia, and more.

-  March to June
-  July to October
-  60-100 cm

The Edible Landscapes



BIO8649

NEW


Edible Flowers ORGANIC




A cheerful edible mix of flowers and aromatic herbs, produced using 100% organic agriculture. Primarily used to adorn dishes, these flowers will also be valuable in elevating summer salads thanks to the lively petal colours and their incredible taste, like borage with its iodine flavour, or nasturtium with its spicy, peppery taste.

Composed of **18 annuals**, including: dill, borage, basil, dwarf nasturtium, Centaurea 'Blue Boy', Cosmos Sensation and Bright Lights, common mallow, French marigold, marigold, dwarf sunflower, and more.



 April to June

 July to October

 50-70 cm



BIO0780 Borage



BIO7636 Calendula Corniche d'Or



BIO7601 Calendula Double Mixed



BIO1109 Centaurea 'Blue Boy'



BIO1247 Edible chrysanthemum



BIO1604 Cosmos Sensation mixed



BIO4371 French Marigold



BIO3218 Common mallow



BIO5941 Small burnet



BIO7570 Dwarf sunflower

The Beneficial Plants

Flowers for Dyes

MP08638

NEW

Plants that can be made into natural dyes.

Composed of **13 annuals**, including: Zinnia, Cosmos sulphureus, Bidens, Yellow Chamomile, French Marigold, Ageratum, Carthamus, Coreopsis...

-  April - **May** - June
-  June - September
-  60-80 cm



MP20146

Priester Garden

Mix of aromatic and medicinal plants and edible flowers.

Composed of **15 annuals**, including: Borage, Marigold, Coriander, Fennel, Lemon Balm, Dill, Basil, Nasturtium, Hyssop, Rue...

-  March - **April** - **May** - June
-  June - September
-  30-60 cm

Kick' Mosquito

MP08820

NEW

Original, aromatic, and wonderful, this mix of primarily lemon-scented plants repels mosquitoes.

Composed of **9 annuals**, including: anise, various basils, catmint, and our little secrets...

-  April - **May** - June
-  June - September
-  20-40 cm



Climbing Flowers





MP08621

Sunflowers & Climbing Flowers

Clever solution for creating an annual floral hedge without support.

Composed of **7 annuals**: Sunflower, Ipomoea, Thunbergia, Mina lobata, Dolichos, Cobaea, Ipomoea quamoclit.

 April - **May** - June

 July - October

 > 120 cm



MP02834 Ipomoea Heavenly Blue



MP01925 Dolichos Ruby Moon



MP03286 Mina lobata



MP00970 Lobb Nasturtium



MP02850 Ipomoea Morning glory mix



MP07810 Thunbergia


Climbing Flowers

MP08358

Livens up fences and all kinds of supports!

Composed of **9 annuals**: Climbing nasturtium, colocynth, Dolichos, morning glory, Mina lobata, Thunbergia, and more.

 April - **May** - June

 July - October

 > 250 cm

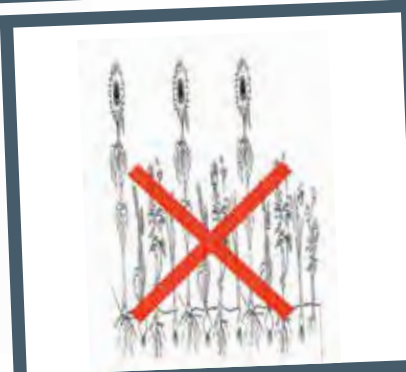


Sowing density



Between 1 and 5 g/m²

Well developed plants = Longer lasting bloom
+ Best weather resistance



Above 5 g/m²

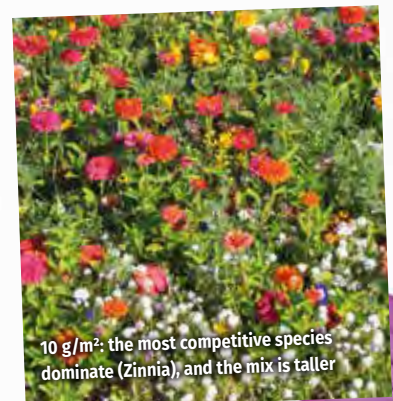
Plants too crowded = Water and leaf competition
+ blanching and risk of shedding



0.5 g/m²: ground is covered but the mix has reduced bloom



2.5 g/m²: ground coverage and diversity are optimal



10 g/m²: the most competitive species dominate (Zinnia), and the mix is taller

Along with preparing the soil, respecting the sowing density is a key factor for success for this flower mix to take root. Depending on the sowing conditions, the seed density ranges from 1 to 5 grammes per m² for use in spaces. Soil quality and preparation, access to irrigation, and the season of seeding are elements that influence the choice of sowing density. For example, in rock gardens or on unirrigated land, the density will be higher (3 to 4 g/m²).

Conversely, if the sowing period is optimal and the ground is clean and well prepared, the density can be decreased (1 to 2 g/m²) in order to encourage species balance. But be careful, no matter what happens, exceeding 5 g/m² would be wasteful! Too high a density increases competition between the plants and decreases the number of species, in particular the late-flowering ones that bloom in the late season.

Did you know?



1 gram of mix contains approximately 800 seeds on average and can be held in the palm of a hand.



THE LANDSCAPERS

#MULTI-ANNUAL BLOOM



**SOWING
IN AUTUMN
OR IN SPRING**

**DENSITY
OF SOWING**
1 to 4 g/m²

FLOWERING
from summer onwards when
sown in spring; from spring
onwards the following years

**RESOW EVERY
2 TO 3 YEARS**

- **MULTI-YEAR MIXES:** 2 to 3 years
- **EXTENSIVE AREAS**
- **2 DIFFERENT RESULTS DEPENDING ON
THE SOWING PERIOD** (spring or autumn)



Flowers of the Countryside 50 to 100 cm



Hardy Flowers 30 to 50 cm



Annual and Perennial Mixture 50 to 100 cm



Flowers from Harvests 30 to 60 cm



Meadow Glints 20 to 60 cm



Garden Flowers 30 to 100 cm



Flowers from Nature
Flowered meadows 30 to 70 cm



Spring Flowers 15 to 40 cm




Ground-covering Flowers 15 to 25 cm


Flowers of the Countryside

MP08706

It is the most natural and spontaneous of the flower mixes, evoking memories of flowers from our childhood ...

Composed of **10 annuals** and **5 perennials**, including: Wild poppy, wild cornflower, corn marigold, wild ox-eye daisy, perennial flax, corncockle, and more.

 March to June
September to November

 summer when sown in spring,
spring the following years

 50-100 cm





MP08684

Hardy Flowers

The essential mix! This multi-annual mix takes root easily and hardily in all situations: embankments, roadsides, at the foot of walls and/or trees...

Composed of **10 annuals** and **18 perennials**, including: Marigold, Eschscholzia, annual Flax, annual Rudbeckia, Poppy, Yellow Chamomile, Thyme, Red Valerian, Meadow Clary, Echinops, Yarrow, Lychnis...

 March to June
September to November

 summer when sown in spring,
spring the following years

 30-50 cm



MP08357

Annual and Perennial Mixture

The appeal of this mix is in its diversity. The mood it creates varies according to the sowing period. When sown in spring, it is the annuals that predominate. When sown in autumn, the biennials and perennials reveal the second profile of the mix.

Composed of **28 annuals** and **24 perennials**, including: Marigold, Soapwort, Flax, Dame's Rocket, Wallflower, Mallow, Poppy, Corncockle, Coreopsis, Leucanthemum, Chrysanthemum, Anthemis, Gaillardia, Malope, Sweet William ...



March to June
September to November



summer when sown in spring,
spring the following years



50-100 cm

MP20194

Flowers from Harvests

These cornfield companion crops reseed spontaneously if the soil is tilled in winter.

Composed of **13 annuals**, including: Ammi majus, Wild Cornflower, Corn Marigold, Poppy, Common Corncockle, Marigold...



March to June
September to October



summer when sown in spring,
spring the following years



30-60 cm





MP08698

Meadow Glints

This mix is highly diversified in colours, in somewhat muted tones.

Composed of **16 annuals** and **17 perennials**, including: Cornflower, Cheiranthus, Corncockle, Wallflower, Virginia Stock, Cow Soapwort, Leucanthemum, Nigella, Marigold, Soapwort, Yarrow, perennial Coreopsis, Iceland Poppy, Sweet William ...

 March to June
September to November

 summer when sown in spring,
spring the following years

 20-60 cm





Garden Flowers

MP08713

When sown in autumn, the Garden Flowers mix is perfectly able to withstand the winter.

Composed of **12 biannuals** and **21 perennials**, including: Centaurea, Dame's Rocket, Sweet William, Corncockle, Lupin, Corn Marigold, Leucanthemum, Candytuft, Marvel of Peru, Poppy, Coreopsis, Flax, Red Valerian, Gaillardia, Yarrow, Foxglove ...

 August - November

 starting in April

 30-100 cm




Flowers from Nature Flowered Meadows

MP08635

This mix is designed to look like a natural country meadow and, above all, encourage biodiversity by providing a supply of wild flowers, especially field companion flowers.

Composed of **9 annuals** and **28 perennials**, including: Silene, Poppy, Common Mallow, Dame's Rocket, Leucanthemum, Cornflower, Bird's-foot-trefoil, Lupin, Flax, Lychnis, Liatris, Lythrum, Burnet, Common Corncockle ...

 August - October

 from Spring

 30-70 cm



AUTUMN SOWING
recommended

MP08694

Spring Flowers

A mix specially created for autumn sowing. Sowing just before the first cold spells encourages an explosion of flowers from the first days of spring in March.

Composed of **8 annuals** and **14 perennials**, including: Virginia Stock, Alpine Forget-me-not, Linaria, Cerastium, Soapwort, Maiden Pink, Silene, Aubrieta, perennial Gaillardia, Viola, Alyssum, Candytuft...

March to June
September to November

summer when sown in spring,
spring the following years

15-40 cm

March - April



April - May



July - mow to a height of 15 cm



September

MP08601

Ground-covering Flowers

One of the shortest flower mixes in the BERTRAND range, in its 2nd year. Ideal for re-vegetating zones where visibility should not be impeded.

Composed of **13 annuals** and **9 perennials**, including: Annual Alyssum, perennial Alyssum, Cerastium, dwarf Eschscholzia, Virginia stock, Limnanthes, Linaria, Myosotis, Prunella, Soapwort, Silene ...

March to June
September to November

summer when sown in spring,
spring the following years

15-25 cm



Spring sowing



Sowing in Autumn



2nd year



The advantages of autumn sowing

+ EARLY

- Spring flowers
- Possible association with bulbs (more advanced bloom)

+ EFFICIENT

- On difficult terrain and in hot climates
- Better implantation of perennials
- Winter vegetation cover limits erosion

+ ECO-FRIENDLY

- Less surface to mow
- Reduced irrigation
- Seed dose reduced

Sowing in autumn promotes “hardy annuals” (Centaurea, larkspur, poppy, and others) as well as biennials and perennials that don't need hot temperatures to sprout, which is why the result is different from spring sowing, although it is still diversified and balanced thanks to our expertise!

With autumn sowing, bloom takes place earlier, and summer mowing becomes absolutely essential: the best time for it is not long after the peak of bloom, generally towards the end of June or the very beginning of July, before the mix dies back completely.

Discover the mixes that are best adapted to autumn sowing in photographs.



Sample images: “**Spring Flowers**” (see page 39)





THE

SPECIFICS

#SOILS AND EXPOSURES



AUTUMN SOWING
recommended

SOWING IN AUTUMN OR IN SPRING

DENSITY OF SOWING
1 to 4 g/m²

FLOWERING
from summer onwards when sown in spring; from spring onwards the following years

RESOW EVERY 2 TO 3 YEARS

- **MULTI-YEAR MIXES:** 2 to 3 years
- **FOR USE IN SPECIFIC SOIL OR EXPOSURE CONDITIONS:** difficult soils, wetlands, roadsides, etc.





MP08699

Flowers for Everywhere

A mixture of rustic and dwarf flowers that are undemanding as to soil type which has been specially developed to add bloom to difficult areas, such as shady spots, the foot of trees, traffic islands, along walls, etc.

Composed of **17 annuals** and **17 perennials**, including: Cheiranthus, Virginia Stock, Silene, Coreopsis, Eschscholzia, Alyssum, Soapwort, Cerastium, Bidens, Rudbeckia, Sanvitalia, Stock, Purslane, Candytuft, Valerian ...

March to June
September to November

summer when sown in spring,
spring the following years

20-40 cm

March - April



April, 2nd year



End of April, 3rd year



Mid-June, 3rd year

Flowers from Nature All-Terrain

MP20184

NEW

100% wild flowers indigenous to Europe. This very rich and well balanced mix can adapt to all situations, no matter the exposure and the nature of the soil. The annuals occupy the terrain in the first year, while the perennial species that are adapted to the location take root to endure.

Composed of **24 annuals** and **44 perennials**, including: Yarrow, chamomile, cornflower, borage, meadow knapweed, corn marigold, poppy, fennel, ox-eye daisy, flax, mallows, St. John's Wort, corncockle, oregano, burnet saxifrage, meadow clary, silenas, pot marigold, creeping thyme, viper's bugloss, and more.

WILD FLOWERS



March to June or
September to November

summer when sown in spring,
spring the following years

80-100 cm



FLOWERS for Foot of Walls


MP20149




Flowers for Foot of Walls

This mix, ideal for cracks and the foot of walls, is an effective combination of decorative and technical purposes.

Composed of **16 annuals** and **26 perennials**, including: Sweet Alyssum, Silene, Flax, Viola, Cerastium, Valerian, perennial Coreopsis, Stock, Soapwort, Mountain Alyssum, Virginia Stock, Pot Marigold, Daisy, Alyssum saxatile, Nigella, Cheiranthus, Forget-me-not ...

 March to June
September to November

 summer when sown in spring,
spring the following years

 20-40 cm

Available in packets (code MPS20149)

These mixes are also apt for:



p.19

Little Carpet **Multicolour**



p.42

Flowers for **Everywhere**



p.48

Perennial Dwarf **Varieties**



p.39

Ground-covering **Flowers**



The Short Mixes

Super Dwarf Flowers

MP20179

Very short, robust and versatile mix, ideal for re-vegetating difficult areas while maintaining a well-groomed appearance, e.g. in cemeteries.

Composed of **8 annuals** and **19 perennials**, including: Dwarf Sweet Alyssum, Purslane, Sanvitalia, Perennial Alyssum, Oregano, Petrorhagia, Wild Thyme, Blue Fescue...

March to June
September to November

summer when sown in spring,
spring the following years

15-30 cm



Flush of Daisies

MP08798

Composed of **5 biannuals** and **7 perennials**, including: Lawn Daisy, Mountain Alyssum, Cerastium, Nemophila, Virginia Stock, Myosotis, Viola cornuta, perennial Primula ...

September - October

March to May

10-25 cm



Flowers for Roadsides

MP08765

Composed of **5 annuals** and **12 perennials**, including: Yarrow, Sweet Alyssum, perennial Flax, Poppy, Mountain Alyssum, Bird's-foot-trefoil, Cerastium, Eschscholzia, Virginia Stock, Nepeta, Daisy, Anthyllis, Clover ...

March to June
September to November

summer when sown in spring,
spring the following years

20-40 cm

Dry and arid zones


NEW


MP20308

Flowers for Dry Lands

Multi-year formula (2-4 years), very easy to plant in dry soils.

Composed of **14 annuals** and **14 perennials**, including: Yarrow, Cerastium, annual and perennial Coreopsis, poppy, Chinese Forget-me-not, California poppy, annual and perennial flax, catmint, burnet saxifrage, rudbeckia, annual and perennial soapwort, sage, marigold, thyme, viper's bugloss


 autumn or spring

 summer when sown in spring, spring the following years

 40-60 cm

Flowers for Rocky Places MP08786

Composed of **5 annuals** and **15 perennials**, including: Alyssum saxatile, Common Corncockle, Virginia Stock, Burnet, Soapwort, Nepeta, Mountain Alyssum, Thyme, Clary Sage, Oregano, St. John's Wort, Anthyllis, Sedum ...

 March to June
September to November


 summer when sown in spring,
spring the following years


 20-40 cm

For **STONY LIMESTONE SOIL**

Flowers for Sandy and Silty Soils MP08789

Composed of **2 annuals** and **14 perennials**, including: Sweet Alyssum, Yellow Chamomile, Cerastium, Cheiranthus, Yarrow, Virginia Stock, Nemophila, Maiden Pink, Crimson Clover, Candytuft, Anchusa capensis, Lagurus, Sedum, Thyme, and more.

 March to June
September to November






 summer when sown in spring,
spring the following years

 20-50 cm

For **DRAINED & ACID SOILS**

Flowers for Shady Places MP08705




Composed of **12 annuals** and **16 perennials**, including: Virginia Stock, Balsam, Dame's Rocket, Yarrow, Borage, Sweet Alyssum, Wild Poppy, Common Mallow, Sweet Pea, Foxglove, Aquilegia, Violet, Lobelia, Campanula carpatica ...

 March to June
 September to November
  summer when sown in spring,
 spring the following years
  20-80 cm



Flowers from Nature Shade and Lights MP08780


Composed of **23 perennials**, including: Perennial Flax, Common Mallow, Common Self-Heal, Agrimony, Foxglove, Dracocephalum, Wild Garlic, Giant Buttercup, Wild Strawberry, Greater Stitchwort, Pendulous Sedge, Canterbury Bells, Granny's bonnet ...

 August to November
  from Spring
  40-100 cm








Flowers for Wetlands MP08819

Composed of **7 annuals** and **12 perennials**, including: Mallow, Lythrum, Achillea ptarmica, wild Leucanthemum, Common Mallow, Bird's-foot-trefoil, annual Alyssum, Yarrow, perennial Flax, perennial Lupin ...

 March to June
 September to November
  summer when sown in spring,
 spring the following years
  60-80 cm

Flowers from Nature Damp Meadows MP08781

Composed of **30 perennials**, including: Dame's Rocket, Musk Mallow, Lythrum, Giant Buttercup, Ragged Robin, Centaurea jacea, Yarrow, Sneezewort, Yellow Chamomile, Foxglove, Common Toadflax, Common Self-Heal ...

 March to June
 September to November
  summer when sown in spring,
 spring the following years
  30-80 cm

THE

PERENNIALS

#LONG-LASTING SOLUTIONS



**SOWING
IN AUTUMN**

**DENSITY
OF SOWING**
1 to 4 g/m²

**FLOWERING
IN SPRING**

MAINTENANCE
like a flowerbed
of perennials

● **PERENNIAL MIXES:**
last for over 3 years depending on the degree of maintenance

● **ROOTING FOR THESE
MIXES IS SLOWER:**
several months are required to ensure complete coverage of the site

Perennial Dwarf Varieties 15 to 25 cm



Perennial Semi-tall Varieties 30 to 60 cm



Perennial Tall Varieties 50 to 100 cm



Flowerly Ground-Cover 10 à 30 cm





MP08615

Perennial Dwarf Varieties

This mix is particularly well-suited for rock gardens and for hard-to-reach areas in which heavy equipment cannot be used.

Composed of **20 perennials**, including: Alyssum saxatile, Maiden Pink, Mountain Alyssum, Nepeta, dwarf Stock, dwarf Coreopsis, Cerastium, Aubrieta, Campanula carpatica, Arabis, Viola cornuta ...

March to June
September to November

from March to July the year after sowing

15-25 cm



MP08616

Perennial Semi-tall Varieties

Mid-height flowers also bloom the longest.

Composed of **22 perennials**, including: Wallflower, Flax, Sweet William, Lupin, Coreopsis, Garden Pinks, Musk Mallow, Carnation, Catananche, Water Avens, Red Valerian, Yarrow ...

March to June
September to November

From April to July of the following year

30-60 cm



MP08617

Perennial Tall Varieties

This very varied mix is remarkable for its height and its diversity.

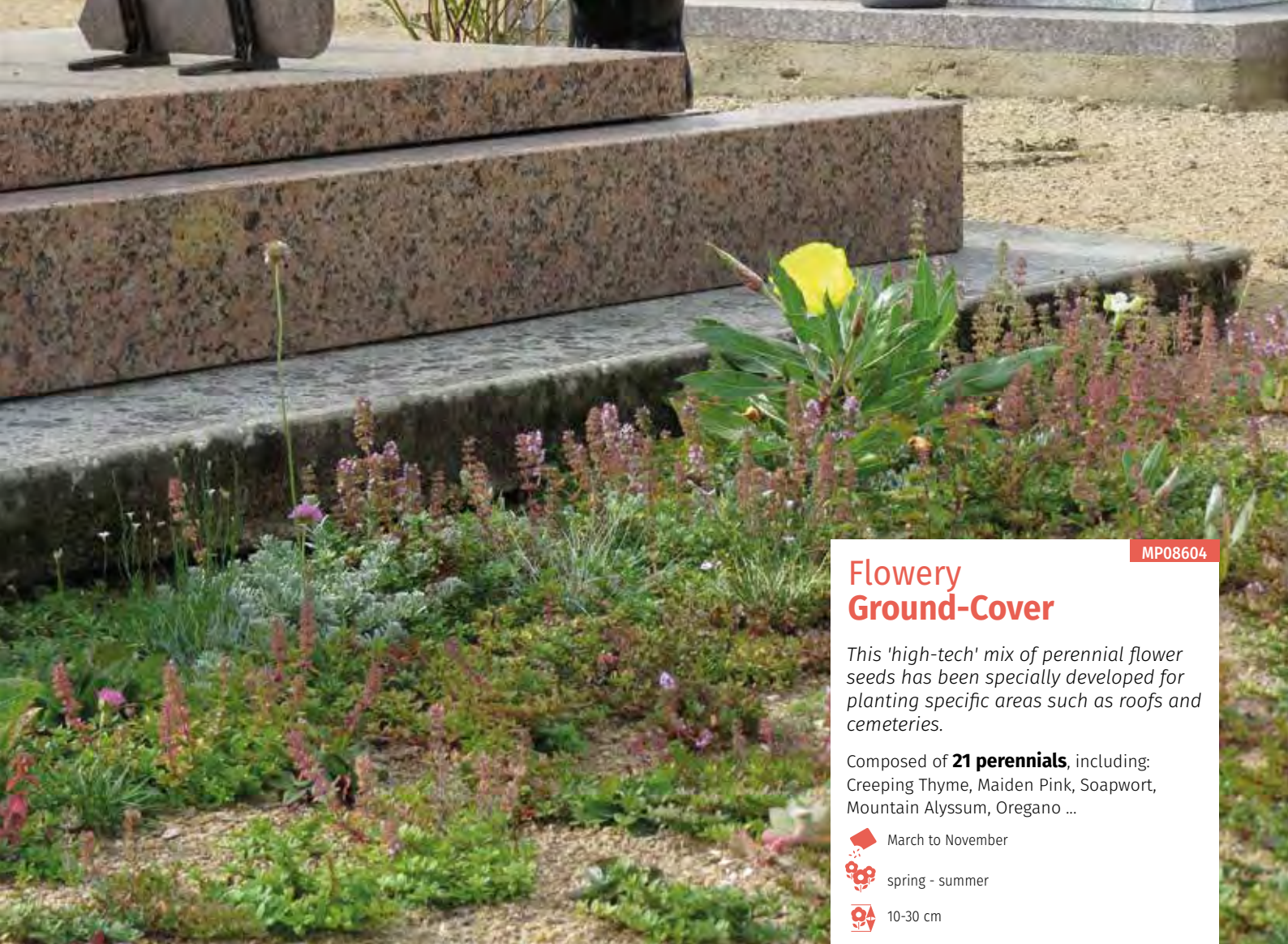
Composed of **28 perennials**, including: Dame's Rocket, tall Sweet William, Shasta Daisy, Gaura, Achillea filipendulina, Delphinium, Foxglove, Scabiosa, Echinacea ...

March to June
September to November

from May to September of the year after sowing

50-100 cm







MP08604

Flowery Ground-Cover

This 'high-tech' mix of perennial flower seeds has been specially developed for planting specific areas such as roofs and cemeteries.

Composed of **21 perennials**, including: Creeping Thyme, Maiden Pink, Soapwort, Mountain Alyssum, Oregano ...

 March to November

 spring - summer

 10-30 cm



The only sustainable, floral & economic solution!

Direct sowing of the **Flowery Ground-Cover** mix is a long-term solution whose cost per m² is three times less than that of revegetation with sedum fragments. Enjoy economical, flowering and long-lasting ground cover with Flowery Ground-Cover!

Vegetation of permeable paving



90% ground coverage and flowering from the first year



Use in spaces between graves (2nd year)

Attractiveness of Bertrand mixes & BENEFICIAL INSECTS

PURPOSE OF THE FLOR'INSECTES STUDY

It is essential to pay attention to diversity, i.e. the number of species and the population balance in the mixes, in order to have more insight into the "arthropod potential" of the various compositions. This was the purpose of the "Flor'Insectes" lab study carried out on our flower blends. It allows us to continually improve our flower blends. In order to know the potential of our mixes to attract arthropods (which include insects), inventories were carried out using active trapping and by observing them.

RESULTS

In total, 7231 arthropods were collected, which can be divided into 13 orders and 66 families. 136 genera/species were identified.

MAIN CONCLUSION

According to this study and other studies carried out by Flor'insectes, horticultural plants appear to be beneficial for biodiversity and can be used in eco-friendly districts or for other eco-friendly features. It is best to use either mixes containing a combination of garden flowers and wild flowers, or to sow both garden flower mixes and Flowers of Nature mixes in the same area. For example, in order to attract auxiliaries and repel pests, an efficient solution would be to sow both "IPM Flowers & Beneficial Insects" and "Universal Flowers From Nature" in the same area. Mixes with the greatest varietal diversity are the most likely to encourage the development of auxiliary fauna.

Collection method

- A camera, for 5 minutes, to observe the pollinators and other flying insects.
- A hand net to collect flying insects, by sweeping the net 20 times.
- A fuel-powered vacuum collector, used for 1 min 30 s to collect the small and crawling insects.



Flor'insectes www.florinsectes.com
Applied research Laboratory on the link between Landscape and Biodiversity

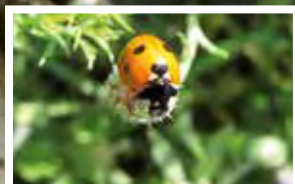
TYPES OF INSECTS OBSERVED:

- Predators are insects that feed on other insects.
- Pollinators gather pollen from flowers to feed themselves, transport pollen from one flower to another and ensure pollination.
- Parasitoidal insects develop on or inside of other "host" insects, causing them to die.
- Phytophagous insects feed on plants. They can therefore be either beneficial or harmful.
- Detritivores feed on all sorts of organic waste, making it available to the soil microflora.

Predators



Adult lacewings *Chrysoperla lucasina*



Seven-spotted ladybird *Coccinella 7-punctata*



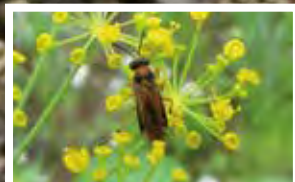
Long hoverfly *Sphaerophoria scripta*



Fourteen-spotted ladybird *Propylea 14-punctata*



Aphid-eating brown lacewing



Sawfly *Athalia rosae*

Pollinators



Hoverfly *Eristalis interrupta*



Bee *Apis mellifera*

Detritivorous insects



Common flesh fly *Sarcophaga carnaria*

Phytophagous insects



Common blue *Polyommatus icarus*

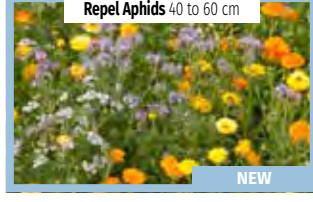
THE ECOSYSTEMS

#BIODIVERSITY



These flower mixes are veritable professional tools for stakeholders in the environmental sector and in agriculture. They are the fruit of research that has resulted in the association of various plant species, not only for their aesthetic appeal, but also for their utility with regard to specific targets.

These beneficial mixes all offer **technical solutions for sustainable development, biodiversity** and garden pest control.



Agriculture

Repel Nematodes MP08824

Used in fallow land (10 to 15 kg/ha). To be effective, it must remain in place for 3-4 months and the debris must be buried.

Composed of French marigolds.

April to June

July to November

60-80 cm



Flowers from Nature MP08782

IPM (Integrated Pest Management)

Composed of **12 annuals** and **9 perennials**, including: Marigold, Cornflower, Coriander, annual Alyssum, Basil, Echium, annual Coreopsis, Common Sage, Hyssop, Tansy ...

April to November

summer when sown in spring, spring the following years

40-60 cm



Flowers for Orchard & Vineyards MP08796

Composed of **9 annuals** and **3 perennials**, including: Sweet Alyssum, Flax, Coriander, Eschscholzia, Nigella, Virginia Stock, Cow Soapwort ...

March to June

June to October

20-50 cm

Inter-row Compact Mixture MP08729

Composed of **6 annuals** and **11 perennials**, including: Marigold, Sweet Alyssum, Parsley, Chamomile, Coriander, Alpine Forget-me-not, Chervil, Yarrow, Nepeta ...

March to April August to November

summer when sown in spring, spring the following years

20-40 cm

Flower strips for Market Gardening Beneficial Insects and Pollinators



OXIPOLI®

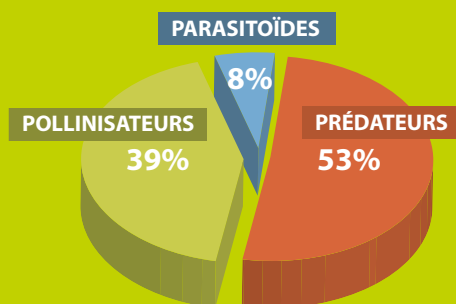
This mix is dedicated to "functional biodiversity", i.e. services rendered to agriculture by the ecosystem in which it is found. Sown in flower strips between crops or on field edges, this mix attracts beneficial insects (lacewings, hoverflies, ladybugs, etc.) and pollinators (Hymenoptera, bees, hoverflies, etc.) from the primary market-garden crops, in order to optimise their yield while respecting the environment.

Technical tip: Spread out the flowering and thus the attractiveness of the mix by staggering your sowing every month from March to June over several plots. Sow 2 to 3 grammes/m² on plots smaller than 1000 m². Larger than that, sow 10 to 15 kg/ha.



FOCUS

Insect population structure according to their ecological role observed on the "OXIPOLI® Annual" mix sown in strips in a squash crop on 4 August 2016 during the flowering peak. (Credit: Flor-Insectes – Johanna Villenave-Chasset)



OXIPOLI® Annual MP20223

Annual mix composed of **21 annuals** including sweet alyssum, dill, Centaurea, vipers-bugloss (Echium), flax, and more.

March to June

June to October

50-80 cm



OXIPOLI® Annual ORGANIC BI20223

Composed of **22 annuals**, including: Dill, Centaurea cornflower, poppy, viper's-bugloss, lavatera, corncockle, French marigold, buckwheat, marigold, sunflower, and more.

March to June
 September to October

summer when sown in spring,
spring the following years

60-80 cm



OXIPOLI® Pluriannual MP20239

Composed of **23 annuals** and **9 perennials**, including: Alyssum, Ammi, dill, chamomile, various Centaureas, ox-eye daisy, poppy, perennial flax, Sweet William, oregano, burnet saxifrage, marigold, sunflower, and more.

March to June
 September to October

summer when sown in spring,
spring the following years

50-80 cm




Bees


Bees & Co.


MP08636

Beyond its richness in melliferous flowers, this annual mix has the advantage of being both decorative and competitive.

Composed of **26 annuals**, including: Maritime Alyssum, Cornflower, Marvel of Peru, Corn Marigold, Phacelia, Cosmos, Echium, annual lupin, common corncockle, weld, and more.

 March to June

 June to October


 40-70 cm





Bees & Co. ORGANIC

BI08636

Composed of **22 annuals**, including: Centaurea 'Blue Boy', poppy, Cosmos Sensation, Cosmos Bright Lights, corn marigold, viper's bugloss, lupin, mallow, French marigold, corncockle, sunflower, zinnia, and more.

 March to June

 June to October

 60-100 cm




Flowers from Nature Bees


MP20309

Composed of "true" wild flowers, from our local ecotype when possible, this mix will provide food for bees and a wide diversity of pollinating insects for several years.

Composed of **13 annuals** and **35 perennials**, including: Yarrow*, common teasel, Centaurea*, poppy*, foxglove*, Ox-eye Daisy*, Birdfoot trefoil, mallow, St. John's wort*, corn-cockle, various Umbelliferae, oregano, meadow clary*, Silene*, viper's bugloss*.

 March to April
August to November

 from summer onwards if sown in spring; from spring onwards the following years or if sown in autumn

 80-100 cm





Little Carpet for Bees

MP08612

This short mix, which is beneficial for insects, is a blend of highly colourful dwarf melliferous plants.

Composed of **14 annuals** and **7 perennials**, including: Annual alyssum, Reseda, dwarf Centaurea, annual savory, dwarf cosmos, dwarf poppy, basil, lemon balm, sage, and more.

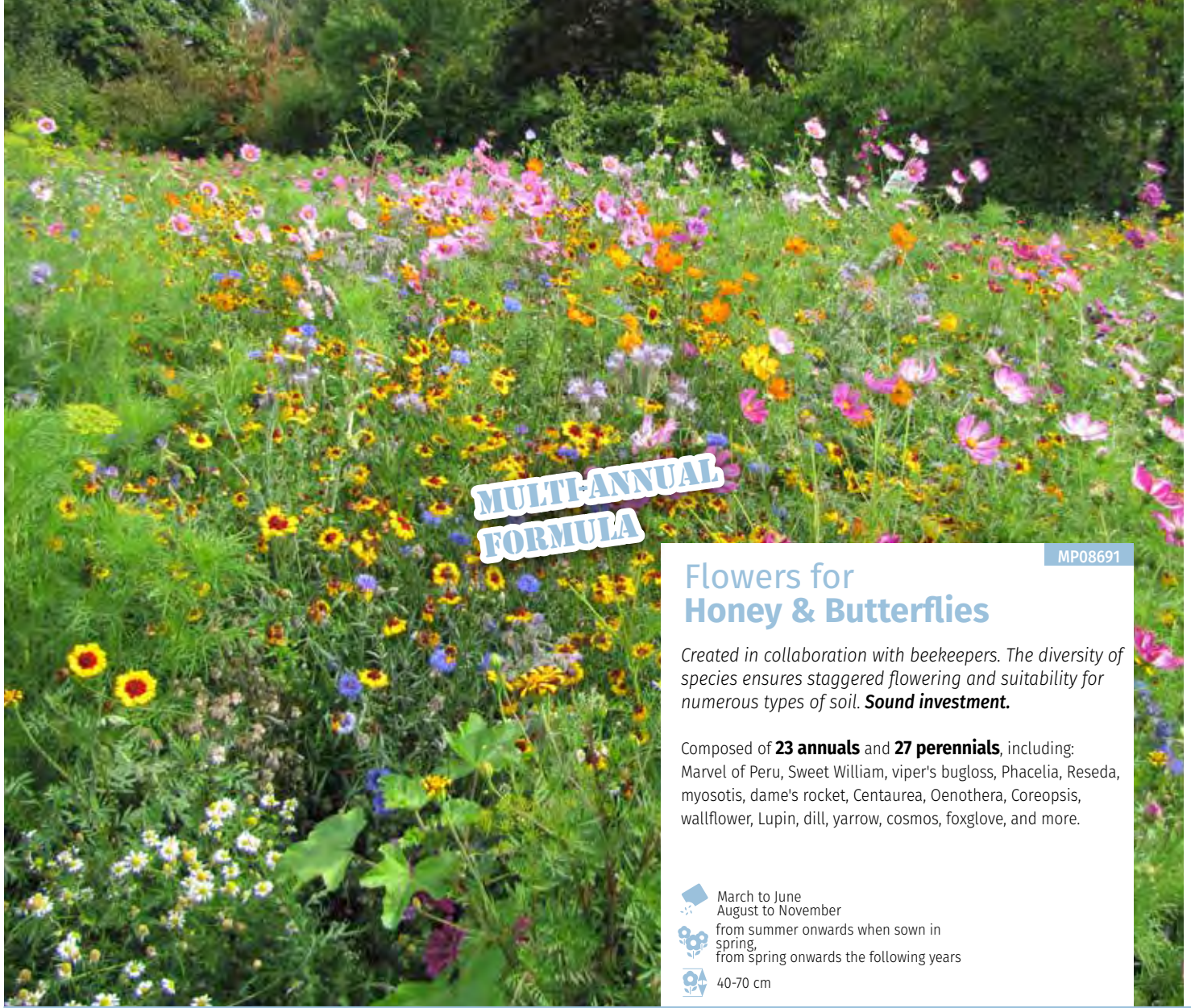
 April to June

 June to September

 20-30 cm



*Végétal Local® labelled species if available








**MULTI-ANNUAL
FORMULA**

MP08691

Flowers for Honey & Butterflies

Created in collaboration with beekeepers. The diversity of species ensures staggered flowering and suitability for numerous types of soil. **Sound investment.**

Composed of **23 annuals** and **27 perennials**, including: Marvel of Peru, Sweet William, viper's bugloss, Phacelia, Reseda, myosotis, dame's rocket, Centaurea, Oenothera, Coreopsis, wallflower, Lupin, dill, yarrow, cosmos, foxglove, and more.




-  March to June
-  August to November
-  from summer onwards when sown in spring,
-  from spring onwards the following years
-  40-70 cm

Nourishing Flowers for Bees

This nourishing mix, rich in pollen and in nectar, provides a true concentrate of food resources to strengthen the bees' metabolism. Can be sown at regular intervals, bloom after 9 to 11 weeks.

Annual mix MP20224

Composed of **25 annual**, including cornflower, viper's-bugloss, reseda, marigold, and more.

-  March to June
-  June to October
-  60-100 cm

Multi-annual mix MP20242

Composed of **20 annuals, 29 perennials**, including, in addition to the annual varieties, Columbines, lavenders, bird's-foot-trefoils, Nepetas, thymes.... for flowering spread out over the year.

-  March to May
-  September to October
-  April to October
-  60-100 cm

Available in packets (code MPS20224)



**SPECIAL FOR
BEEKEEPING**

Insects and Birds





MP08667


Annual Flowers for Birds

This mix attracts grain-eating birds, from house sparrows to tits, chaffinches, and goldfinches, whose numbers are declining drastically. The mix should not be harvested after flowering to allow birds to feed on the seeds throughout the winter: this is natural and aligned with their diet.

Composed of **16 annuals**, including: Flax, Cornflower, Millet, Corn Marigold, Sunflower, Cosmos bipinnatus, Common Corncockle, Tithonia, and more.

 March to June


 June to October


 60-100 cm

BI08667

Annual Flowers for Birds **ORGANIC**

Composed of **12 annuals**, including: Safflower, Centaurea 'Blue Boy', poppy, Cosmos Sensation, corn marigold, spring flax, simple French marigold, Tithonia, sunflower, and more.

 March to June

 June to October

 60-100 cm





MP08668

Perennial Flowers for Birds

The birds will get the benefit of the flowers the year following sowing, and then the seeds. You can mow this mix in December or January.

Composed of **18 perennials**, including: Cheiranthus, perennial Flax, Wallflower, Lunaria, Soapwort, Alpine Forget-me-not, Silene ...

 August to November

 April to July

 20-80 cm





MP08669

Annual and Perennial Flowers for Butterflies

The varieties in this mix have been carefully selected for their colours and nectars that are irresistible to butterflies!

Composed of **21 annuals** and **18 perennials**, including: Marvel of Peru, Cornflower, Petunia, Cheiranthus, Corn Marigold, perennial Coreopsis, Dame's Rocket, perennial Lupin, Leucanthemum, Marigold, Cornflower, Sunflower, Sweet Alyssum, Reseda, Common Mallow, Cosmos, Virginia Stock, Yarrow ...

March to June
August to November

from summer onwards when sown in spring,
from spring onwards the following years

40-100 cm

Flowers from Nature Butterflies

MP08850

Wild plants to feed butterflies and caterpillars.

Composed of **4 annuals** and **21 perennials**, including: Cornflower, Catnip, Fennel, Echium, Teasel, Achillea, Lythrum, Bird's-foot-trefoil, Foxglove, Bladder Campion, Viper's Bugloss, Lychnis flos-coculi ...

August to November

from Spring

80-100 cm



Flowers for Ladybirds

MP08611

These plants, such as Centaureas, attract ladybirds.

Composed of **15 annuals** and **7 perennials**, including: Yarrow, chamomile, borage, wild carrot, Coreopsis Cosmos, various Centaureas, red flax, viper's-bugloss, and more.

March - April - May - June

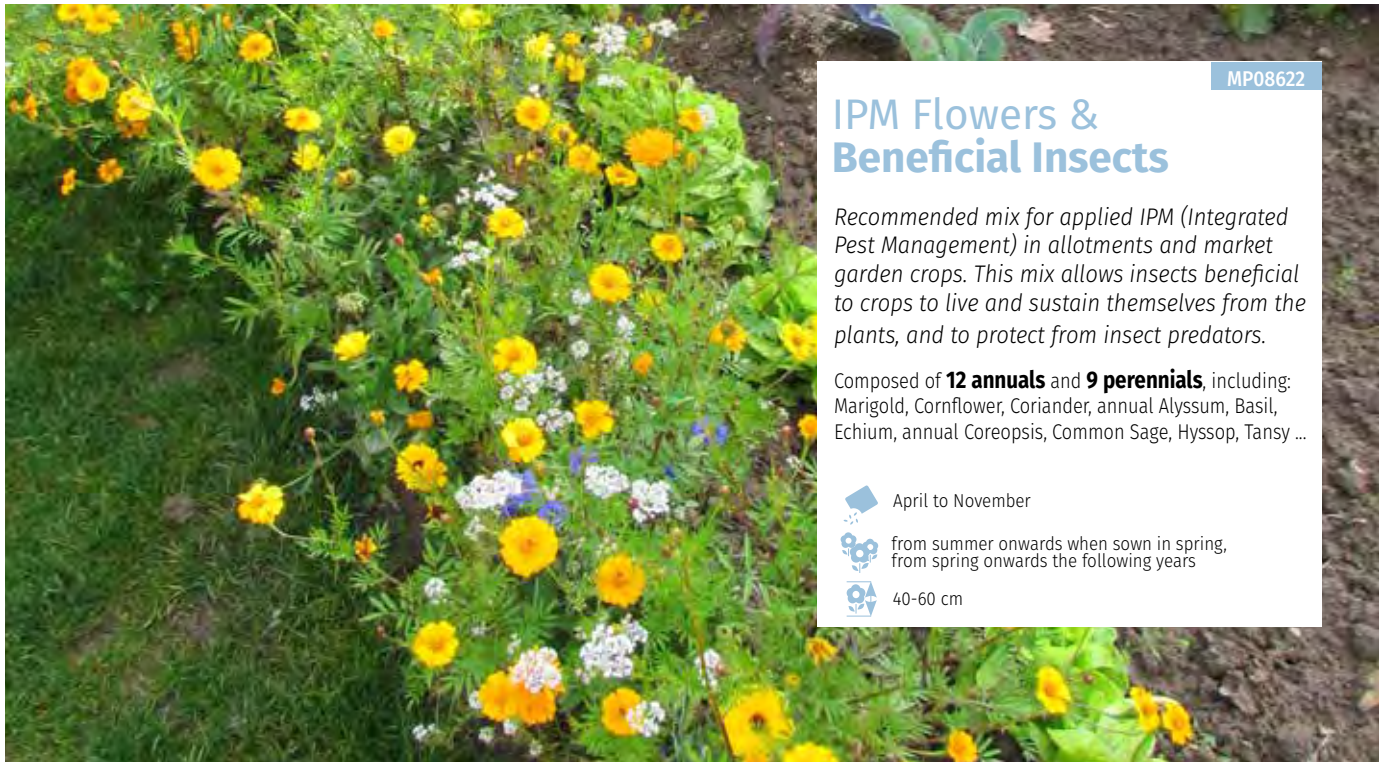
June to October

50-80 cm



NEW

Home-gardening




MP08622

IPM Flowers & Beneficial Insects

Recommended mix for applied IPM (Integrated Pest Management) in allotments and market garden crops. This mix allows insects beneficial to crops to live and sustain themselves from the plants, and to protect from insect predators.

Composed of **12 annuals** and **9 perennials**, including: Marigold, Cornflower, Coriander, annual Alyssum, Basil, Echium, annual Coreopsis, Common Sage, Hyssop, Tansy ...

 April to November

 from summer onwards when sown in spring, from spring onwards the following years

 40-60 cm

These mixes “simultaneously” attract and repel harmful pests with the aim of driving them away by creating confusion. Just like the lunar calendar, their effectiveness is not scientifically proven but one thing is certain: flowers in an allotment provide an undeniable diversity and contribute to a balanced environment that favours the natural regulation of insect populations.




NEW


Repel Aphids

MP08821

Composed of **10 annuals** and **5 perennials**, including: Yarrow, annual alyssum, nasturtium, French marigold, marigold, common rue, savory, thyme, and more.

 April - **May** - June

 July to September

 30-50 cm





NEW

Repel Slugs

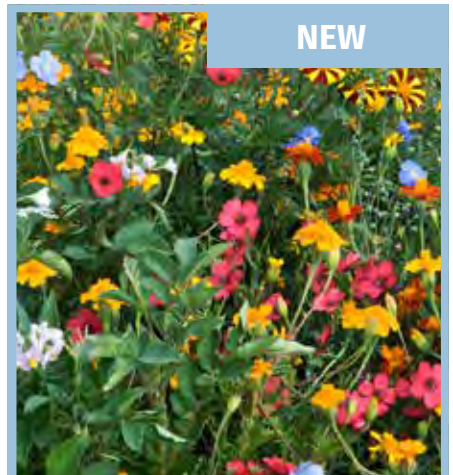
MP08822

Composed of **8 annuals** and **5 perennials**, including: Yarrow, annual alyssum, borage, nasturtium, black caraway, French marigold, poppy, Mexican zinnia, and more.

 April - **May** - June

 July to September

 30-60 cm




NEW

Repel Potato Beetles

MP08823

Composed of **5 annuals** and **1 perennial**, including: coriander, red flax, perennial flax, various French marigolds, savory, and more.

 April - **May** - June

 June to September

 40-60 cm

THE FALLOW MIXTURES

#ECONOMICAL CHOICES



**SOWING IN AUTUMN
OR SPRING**

SOWING DENSITY
for agricultural use: 0.4 to 0.6 g/m²
in public green spaces: 0.8 to 1.5 g/m²

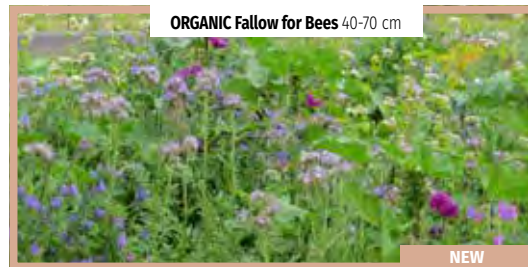
● **AN ECONOMICAL ANSWER**
for adding bloom to large areas



Fallow Short Annuals 30 to 60 cm



Fallow Tall Annuals 60 to 100 cm



ORGANIC Fallow for Bees 40-70 cm

NEW



Universal Flowers from Nature 40 to 80 cm



Flowery Countryside 60 à 100 cm






Fallow Perennial Flowers 30 to 80 cm



Fallow Flowers for Autumn Sowing 40-80 cm

Fallow Short Annuals MP08644




Composed of **9 annuals**, including: Marigold, Zinnia, annual Flax, Cornflower, Eschscholzia, Cow Soapwort...

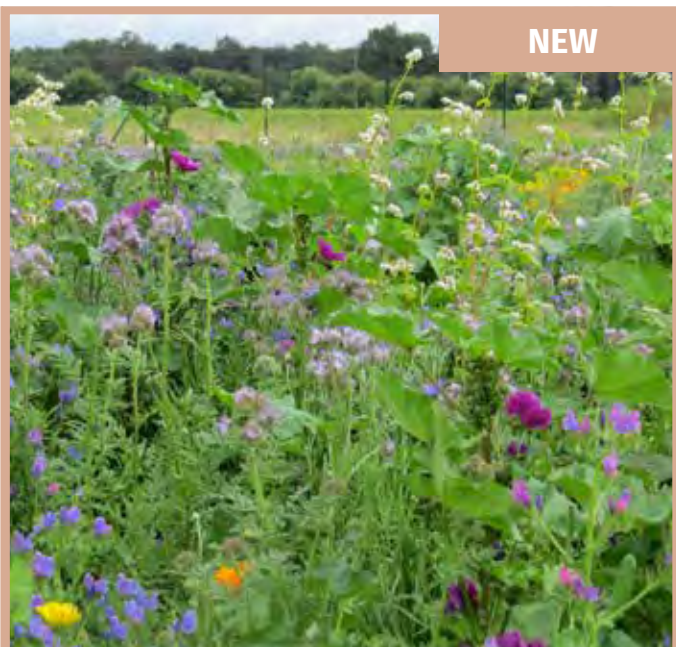
 April to June  June to October  30-60 cm



Fallow Tall Annuals MP08645

Composed of **4 annuals**, including: Cosmos, Zinnia, Cornflower ...

 April to June  June to October  60-100 cm






NEW

Fallow for Bees BI20225



Composed of **13 annuals**, including: Borage, poppy, Centaurea 'Blue Boy', birdsfoot trefoil, Phacelia, mallow, love-in-a-mist, sainfoin, buckwheat, marigold, dwarf sunflower, Persian clover, and more.

 March to July  July to October  40-70 cm



Flowers from Nature MP08787

MP08787

Composed of **10 annuals** and **5 perennials**, including: Wild Poppy, wild Cornflower, Corn Marigold, wild Leucanthemum, perennial Flax, Common Corn-cockle ...


 March to June  from summer onwards when sown in spring, from spring onwards the following years  40-80 cm




MP08685

Flowery Countryside

Composed of **6 annuals**, including: Cornflower, Marigold, Zinnia, Cosmos...

 April to June


 June to October


 60-100 cm

Fallow Perennial Flowers

MP08687

Composed of **8 annuals** and **5 perennials**, including: Marigold, Cosmos, Cornflower, Flax, Common Corncockle, Wallflower ...

 March to June
September to November


 from summer onwards when sown in spring, from spring onwards the following years


 30-80 cm

Fallow Sowing in Autumn

MP08683

Composed of **5 annuals** and **5 perennials**, including: Dame's Rocket, annual Delphinium, perennial Flax, Leucanthemum, Cheiranthus ...

 March to June
September to November

 from summer onwards when sown in spring, from spring onwards the following years

 40-80 cm





Achillea filipendulina - Fernleaf Yarrow



Achillea millefolium - Common Yarrow



Agrostemma coeli-rosa - Rose-of-Heaven



Agrostemma githago - Common Corn-cockle



Ammi majus - Bishop's Flower



Ammi visnaga - Bisnaga



Anethum graveolens - Dill



Anthemis tinctoria - Yellow Chamomile



Arabis alpina - Alpine Rock-cress



Aurinia saxatilis - Perennial Alyssum



Borago officinalis - Borage



Calendula officinalis - Pot Marigold



Carthamus tinctorius - Safflower



Centaurea cyanus - Cornflower



Centaurea cyanus - Cornflower



Centaurea cyanus - Cornflower



Centaurea imperialis - Sweet Sultan



Centaurea montana - Perennial Cornflower



Centranthus ruber - Red Valerian



Cerastium tomentosum - Snow-in-Summer



Cheiranthus cheirii - Wallflower



Cheiranthus maritimus - Virginia Stock



Chrysanthemum carinatum - Annual Chrysanthemum



Chrysanthemum coronarium - Garland Chrysanthemum



Chrysanthemum segetum - Corn Marigold



Clarkia amoena - Godetia



Clarkia elegans - Mountain Garland



Cleome spinosa - Spiny Spiderflower



Convolvulus tricolor - Dwarf Morning Glory



Coreopsis tinctoria - Annual Plains Coreopsis



Coreopsis tinctoria - Annual Plains Coreopsis



Cosmos bipinnatus - Garden Cosmos



Cosmos sulphureus - Yellow Cosmos



Cynoglossum amabile - Chinese Hound's Tongue



Dianthus chinensis - China Pink



Dianthus plumarius - Plumed Pink



Digitalis purpurea - Foxglove



Dipsacus fullonum - Wild Teasel



Echium vulgare - Viper's Bugloss



Eruca sativa - Rocket



Erysimum allionii - Siberian Wallflower



Eschscholzia californica - California Poppy



Gaillardia aristata - Common Blanketflower



Gilia capitata - Bluehead Gilia



Gypsophila elegans - Annual Baby's Breath



Helianthus annuus - Common Sunflower



Helipterum roseum - Paper Daisy



Hesperis matronalis - Dame's Rocket



Iberis amara - Rocket Candytuft



Iberis umbellata - Annual Candytuft



Impatiens balsamina - Garden Balsam



Ipomoea purpurea - Common Morning Glory



Lavatera trimestris - Annual Mallow



Layia platyglossa - Tidy Tips



Leucanthemum vulgare - Oxeye Daisy



Linaria maroccana - Moroccan Toadflax



Linum rubrum - Annual Flax (Red Flax)



Lobularia maritima - Annual Alyssum



Lobularia maritima - Annual Alyssum



Lupinus hartwegii - Annual Lupin (Hartweg's Lupine)



Malope trifida - Annual Malope



Malva moschata - Musk Mallow



Malva sylvestris - Common Mallow



Mirabilis jalapa - Marvel of Peru



Myosotis alpestris - Alpine Forget-me-not



Nepeta racemosa - Dwarf Catmint



Nigella damascena - Love-in-a-Mist



Ocimum basilicum - Purple Basil



Oenothera glazioviana - Large-flowered Evening Primrose



Papaver rhoeas - Double Poppy



Papaver rhoeas - Poppy



Phacelia campanularia - Desert Bells



Petunia grandiflora - Petunia



Phacelia tanacetifolia - Lacy Phacelia



Phlox drummondii - Drummond's Phlox



Prunella vulgaris - Common Self-Heal



Quamoclit lobata - Mina Lobata (Fire Vine)



Ranunculus acris - Giant Buttercup



Reseda odorata - Garden Mignonette



Rudbeckia hirta - Black-eyed Susan



Salvia horminum - Annual Clary



Salvia pratensis - Meadow Clary



Sanvitalia procumbens - Mexican Creeping Zinnia



Saponaria ocymoides - Rock Soapwort



Saponaria vaccaria - Cow Soapwort



Silene armeria - Sweet William Catchfly



Tagetes erecta - Mexican Marigold



Tagetes patula - Tall French Marigold



Tagetes patula - French Marigold 'Harlequin'



Tagetes tenuifolia - Marigold



Tithonia rotundifolia - Tithonia (Mexican Sunflower)



Trifolium incarnatum - Crimson Clover



Tropaeolum majus - Garden Nasturtium



Viola cornuta - Horned Pansy



Xeranthemum annuum - Everlasting Flower



Zinnia elegans - Common Zinnia

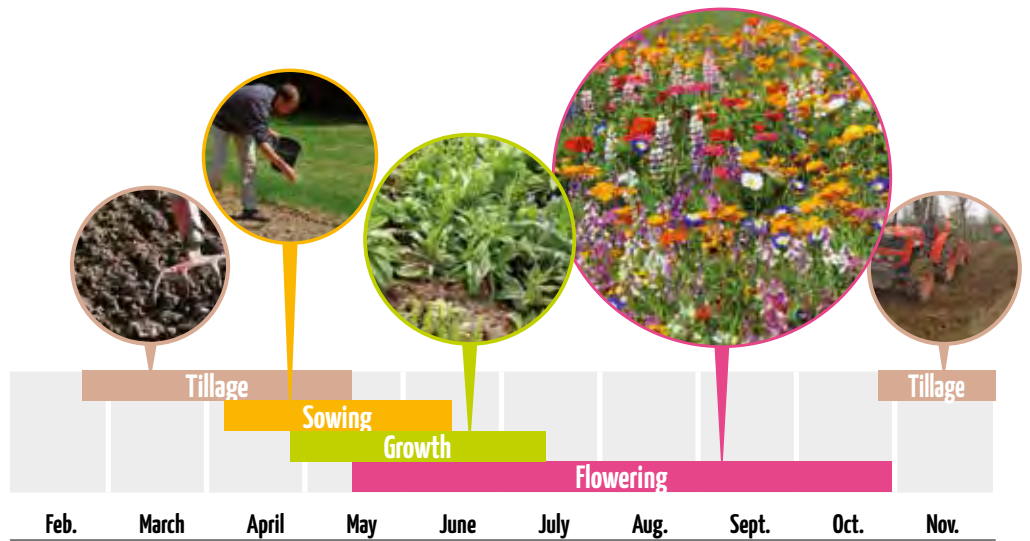
Sowing Guide

Mix cycles

ANNUAL

SOWING IN
SPRING
ONLY

Sowing density: 2 to 5 g/m²

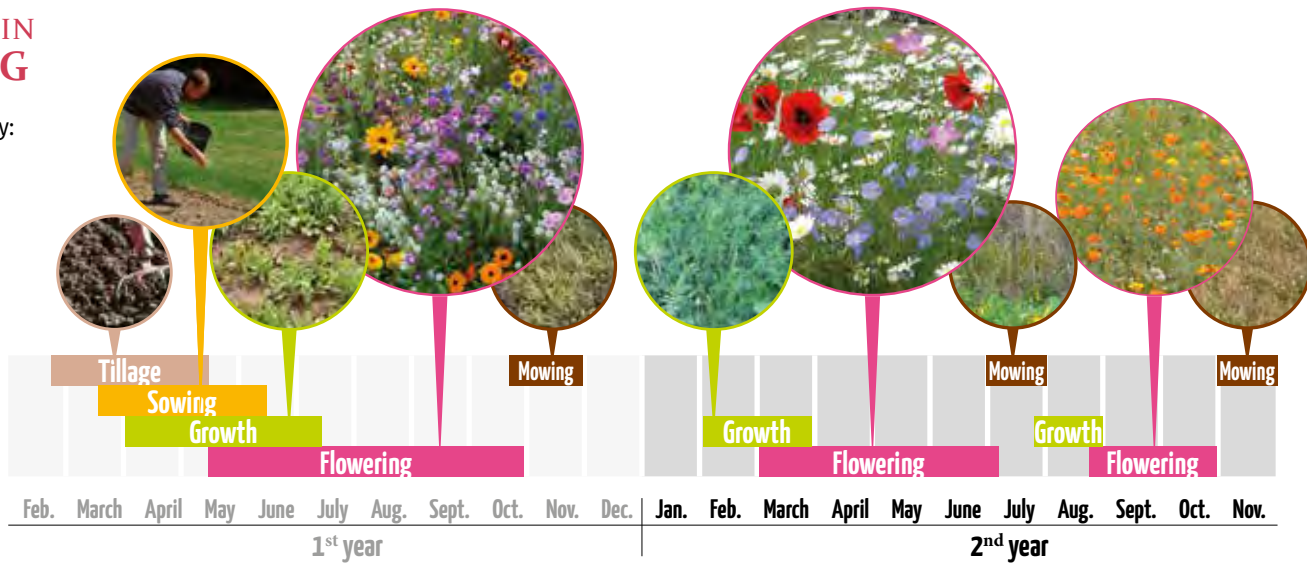


Mix cycles

MULTIANNUAL OR PERENNIAL

SOWING IN
SPRING

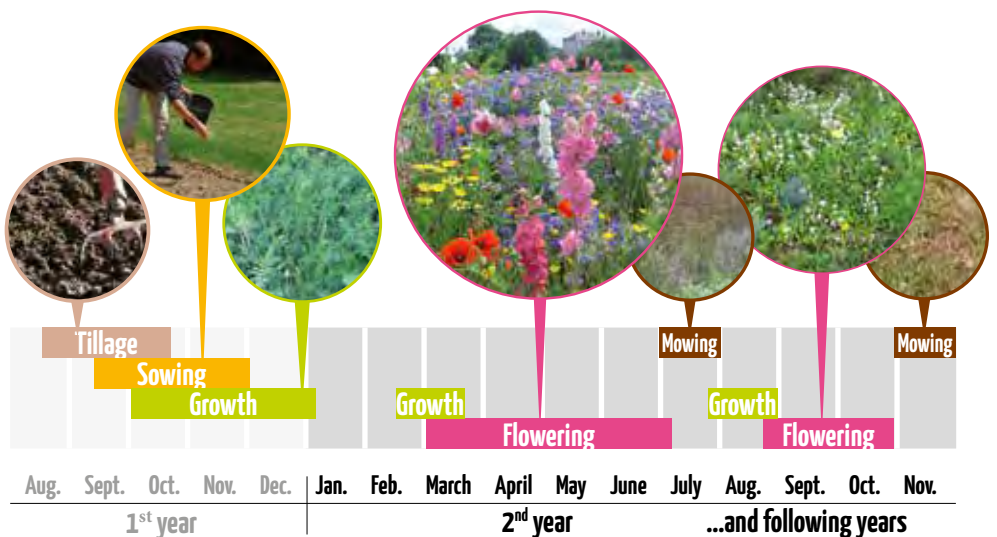
Sowing density:
1.5 to 4 g/m²



OR

SOWING
IN AUTUMN

Sowing density: 1 to 3 g/m²



Focus
on

Mowing

Generally, mowing or shredding encourages regrowth, as does the use of an organic soil improver at the beginning of the year (if necessary). A tractor with a rotary cutter allows the stems to be shredded and encourages breakdown of the residue on site. A lawnmower with the blade at the highest setting may be used for small areas.

SITE SELECTION

- **Ideally:** good and preferably weed-free garden soil.
- **Avoid:** areas that have suffered heavy soil disturbance between the topsoil and subsoil, which often have too many weeds.

SOIL PREPARATION

The ground must be prepared using suitable equipment, as when sowing a lawn. To prepare a flowerbed, it is preferable to give the ground a thorough, deep spading before finely raking over the surface. To minimise the presence of weeds in the flower mix, **we recommend using the false seedbed technique.**

Focus on

False seedbeds

Two or three false seedbeds are often required. After preparing the soil, allow the weed seeds to germinate, then destroy them by shallow tillage (of the first few centimetres of the surface only to avoid bringing up any more weed seeds). The flower mix should be sown as soon as the ground has been prepared again.



Focus on

Density of sowing

Depending on the sowing conditions, the ideal sowing density varies **from 1 to 5 grammes per m²**. Soil quality and preparation and access to irrigation are elements which influence the choice of sowing density.

For example, in rock gardens or on non-irrigated land, the density will be higher (3 to 5 g/m²).

Conversely, if the sowing period is optimal, the density can be decreased (1 to 2 g/m²) in order to encourage species diversity. Careful! **Exceeding 5 g/m² would be wasteful!** Too high a density increases competition between the plants and decreases the number of species, in particular the late-flowering ones that bloom in the late season and which prolong the mix's flowering period.

IN SOWING

- Preferably sow **once the ground has warmed up:**
 - May-June in a cold area
 - March-April in a warm areaAt the time of sowing, the seeds should be poured into a container and stirred in order **to obtain a homogeneous mixture.**
- Choose the **correct seed density** for the sowing period and the agronomic and climatic conditions.
- To **facilitate sowing** and for equal seed distribution, you may **mix the seeds with an inert material** such as buckwheat husks, vermiculite or fine and dry soil. Mix thoroughly to obtain a homogeneous mixture (substrate + seeds), then remix regularly when sowing.
- When **sowing in spring**, a **light raking** of the surface is sufficient, followed by regular watering during the germination period. In **autumn, surface-sow without covering the seeds.**

MAINTENANCE

• Irrigation

After sowing, **watering is necessary for the first few weeks** to encourage germination and plant growth. Depending on the type of soil and the climatic conditions, watering during the summer may significantly prolong flowering.

• Occasional weeding

Depending on the results obtained, it may be advisable to intervene from time to time to pull out weeds when they come up; your flower mix will flourish all the more. Amaranth, Goosefoot, Crabgrass, Black Nightshade and Foxtail are all invasive weeds which develop rapidly from May to June onwards. Leaving weeds to grow in the first year would compromise the flower meadow.



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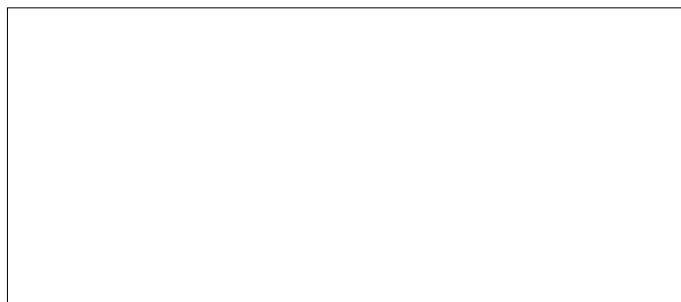
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