



## SEED MIXTURE FOR BEES, BUMBLEBEES & CO

### Bees and other Insects need Protection

During the warmer days in spring the first bees and insects appear. Meanwhile unfortunately about 50 % of all species of wild bees are registered on the Red List. They are important pollinators for most of our cultivated and wild plants. Bees hence ensure the basic nourishment of humans and of animals.

About 580 further species of wild bees are proven next to the honeybee in Germany. These are for instance sand bees, sweat bees, the genus *Halic-tus* as well as the family of the Apidae to which for example bumblebees belong. Many of these bees are specialised on certain plants.

### Food for Bees & Co: Our Seed Mixture for Green Roofs

Various kinds of insects prefer different flowers and flower shapes. The flowering period should last from early spring to late autumn. Only seed mixtures with a wide range of herbs and flowers can thus grant for a diversity of insects.

Places with natural biotopes offer different compositions of soil and varying light and moisture conditions. Green roofs are habitats with extreme conditions. Plants have to get along with small structure heights of substrate. They have to bear up against plenty of sunlight, heat and aridity.

Common seed mixtures such as seed mixtures for poor grassland do not work on green roofs.

We therefore added some survival experts from southern and eastern arid environments to the domestic seeds. These insect friendly species survive in warm and dry climate and can nevertheless stand our winter conditions.

Test our special seed mixture! Sow it and protect our domestic bees, bumblebees & co!

#### SOWING INSTRUCTIONS

- Preferably on beginning of wet weather conditions. For germination the seeds need permanent moist substrate during 4 – 5 weeks
- Sowing period: preferably from March to April or from mid of August to beginning of September
- Seeds should be fixed to the ground with a lawn roller or the like
- In case of potential erosion, black frost or for preventing from bird feeding it is advisable to mulch with hay or chopped straw
- Sowing quantity: 20 g/m<sup>2</sup> of seeds and 30 – 40 g/m<sup>2</sup> of sedum shots in addition

- Green Roofs
- Artificial Turf
- Natural Ponds
- Garden Lighting
- Flat Roofing
- Road Construction

## SEED MIXTURE FOR BEES, BUMBLEBEES & CO

Botanical Name	English Name	Colour	Bloom	Height in cm	For Bees	For Butterflies
<i>Achillea millefolium</i>	Common yarrow	white	VII - VIII	50	X	X
<i>Acinos arvensis</i>	Basil thyme	violet	VI - IX	20	X	X
<i>Allium kirgisiensis</i>	Kirghiz leek	light pink	VI - VIII	25	X	
<i>Allium montanum</i>	German garlic	purple-pink	VII - IX	30	X	
<i>Allium schoenoprasum</i>	Wild chive	purple-pink	V - VI	30	X	
<i>Anthemis tinctoria</i>	Golden chamomile	golden	VII - IX	50	X	
<i>Anthirrhinum majus</i>	Snapdragon	div. colours	VII - X	40 - 60	X	
<i>Aquilegia vulgaris</i>	Common columbine	blue	V - VI	50	X	
<i>Campanula rapunculoides</i>	European bellflower	blue-violet	VI - IX	30 - 80	X	X
<i>Campanula rotundifolia</i>	Bluebell	(light) blue	VII - VIII	20	X	X
<i>Centaurea cyanus</i>	Cornflower	blue	VI - VIII	60	X	X
<i>Delosperma deleeuwiae</i>	Pink carpet	magenta	V - X	15	X	
<i>Dianthus carthusianorum</i>	German pink	magenta	VI - IX	50		X
<i>Dianthus deltoides</i>	Maiden pink	red	VI - IX	20		X
<i>Draba ramosissima</i>	Whitlow grass	(off) white	IV - VI	10 - 15		
<i>Filipendula vulgaris</i>	Dropwort	white	V - VII	15 - 80		
<i>Helichrysum italicum</i>	Curry plant	yellow	V - VIII	20		
<i>Hieracium pilosella</i>	Mouse-ear hawkweed	yellow	VI - VII	20		
<i>Hypericum perforatum</i>	Common St.-John's-wort	yellow	VI - VII	60	X	X
<i>Hyssopus officinalis</i>	Hyssop	blue	VII - VIII	40	X	
<i>Lavandula angustifolia</i>	English lavender	violet	VI - VIII	50	X	X
<i>Leucanthemum vulgare</i>	Marguerite	white + yellow	VII	50	X	X
<i>Linum perenne</i>	Blue flax	light blue	VI - VII	60	X	
<i>Origanum vulgare</i>	Marjoram	pink	VII - IX	45	X	X
<i>Papaver rhoeas</i>	Red poppy	red	V - VII	50	X	
<i>Petrorhagia saxifraga</i>	Coat flower	light pink	VII - IX	20		
<i>Potentilla argentea</i>	Silvery cinquefoil	golden	V - VIII	20	X	
<i>Potentilla recta</i>	Sulphur cinquefoil	yellow	VI - VII	50	X	
<i>Prunella vulgaris</i>	Common self-heal	purple-pink	VI - X	15		
<i>Salvia nemorosa</i>	Woodland sage	light violet	VI - VIII	60	X	X
<i>Salvia pratensis</i>	Meadow sage	dark blue	VI - VIII	40 - 60	X	X
<i>Saponaria ocymoides</i>	Rock soapwort	light purple-white	V - X	20		
<i>Santolina ssp.</i>	Cotton lavender	light yellow	VI - VIII	30 - 50		
<i>Scabiosa columbaria</i>	Dove pincushions	gentian-blue	VI - IX	30		X
<i>Silene viscaria</i>	Clammy campion	red-violet	V - VI	50		
<i>Silene vulgaris</i>	Toadflax	white	V - IX	40		X
<i>Teucrium chamaedrys</i>	Wall germander	carmine	V - IX	30	X	
<i>Thymus pulegioides</i>	Large thyme	violet-pink	VI - VII	15	X	X
<i>Thymus vulgaris</i>	Common thyme	purple-pink	VI - VI	30	X	X
<i>Verbascum nigrum</i>	Black mullein	yellow	VI - VIII	50 - 100	X	X