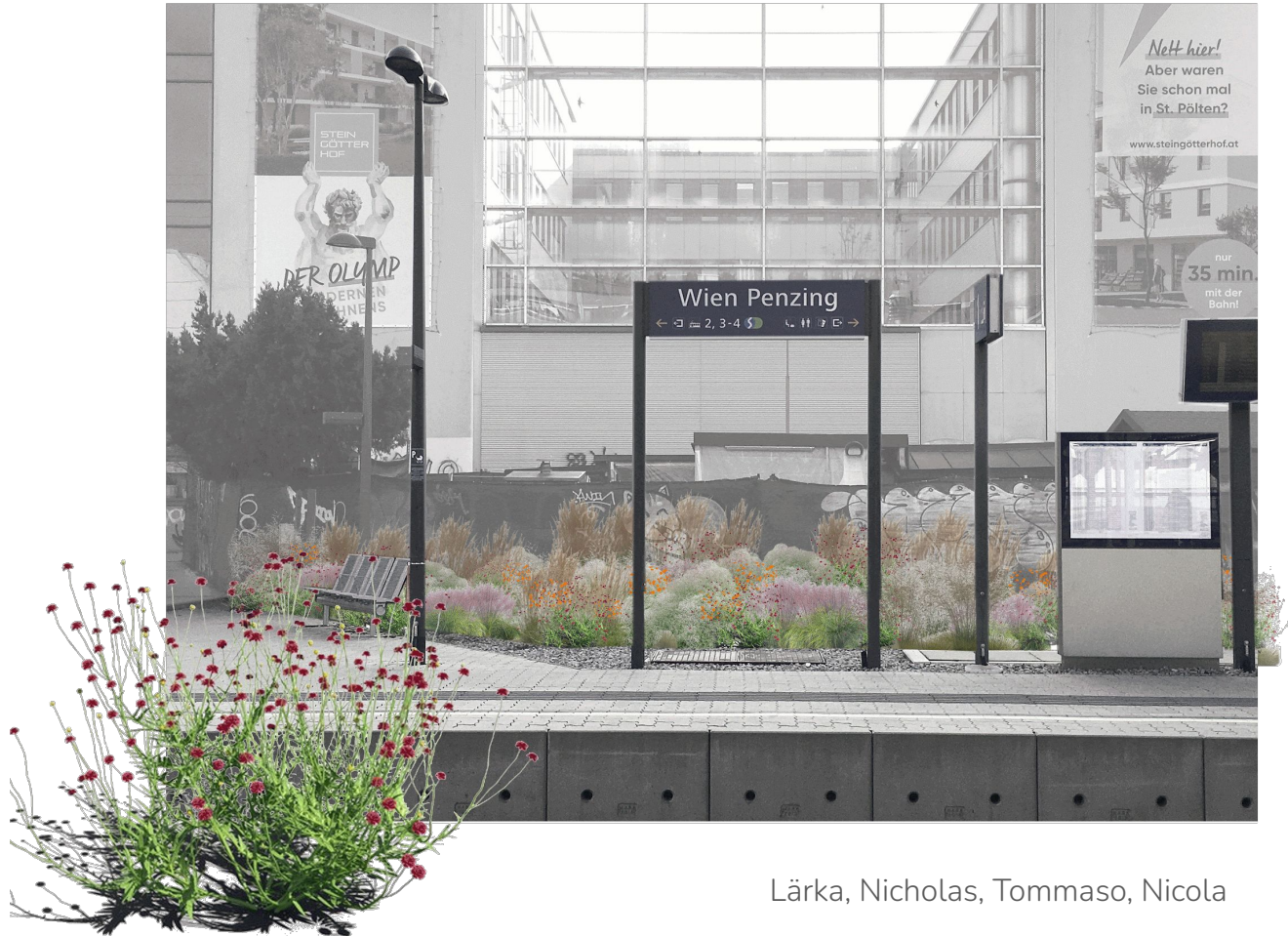


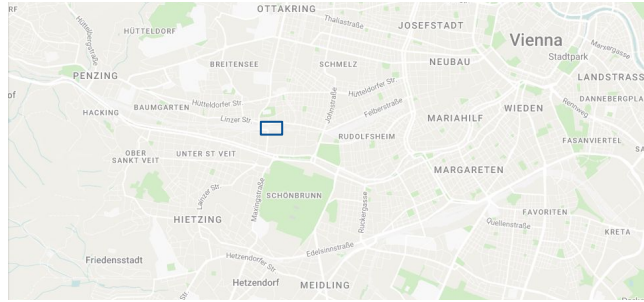
# Verdant Junctions:

a new green setting for Bahnhof Penzing



Lärka, Nicholas, Tommaso, Nicola

# The site



# Design concept

## 1. PATTERN repeatability

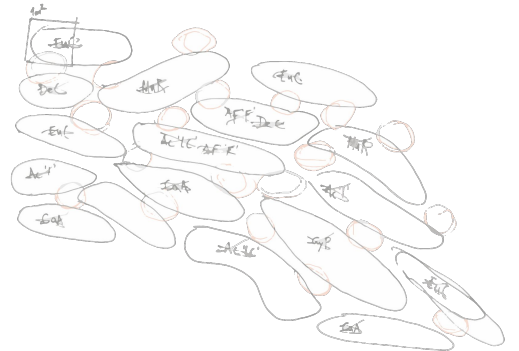
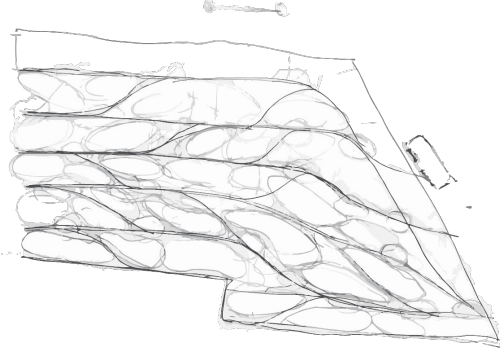
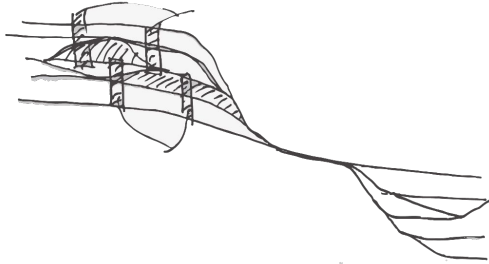
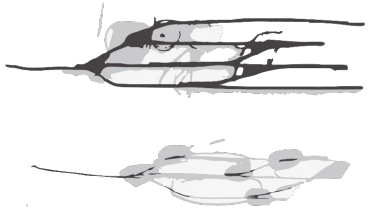
The project wants to intervene in a space seen everyday by Vienna citizens.  
A design able to be repeated as a “pattern” along the railway



# Design concept

## 2. RAIL YARD as a reference

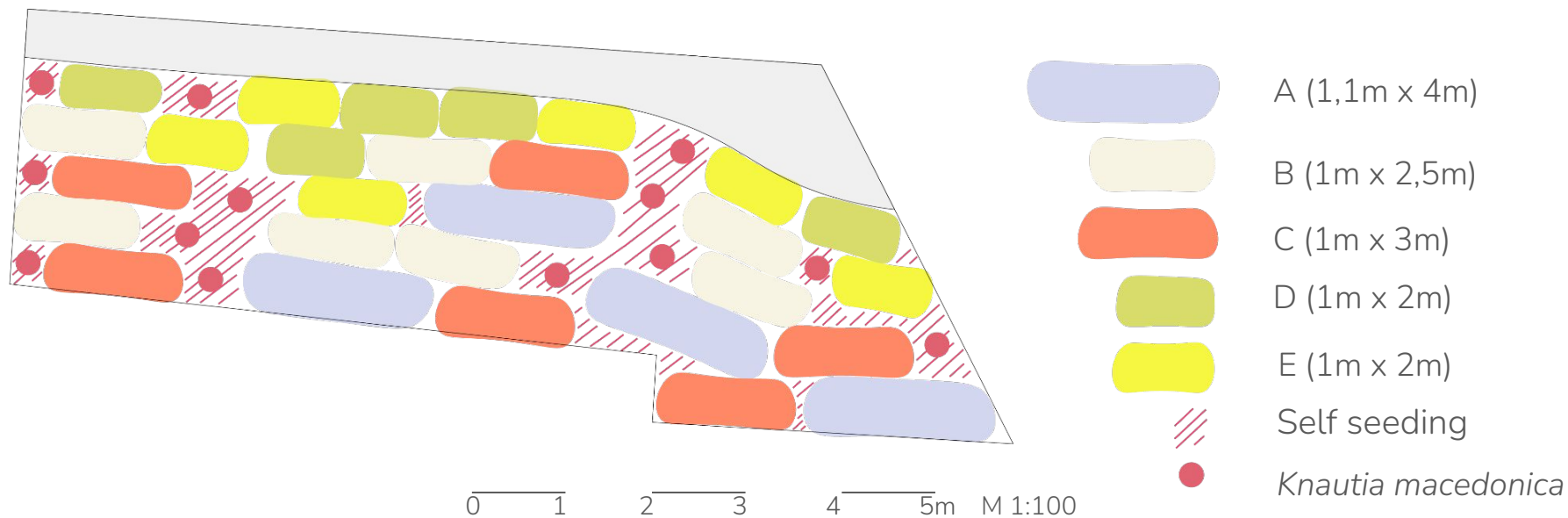
The railway is the guiding concept: lines running parallel to the train tracks, like a railyard. A group planting strategy is used to recreate the “wagons” using different colours



# Selection of species

	Species, Cultivar	2	3	4	5	6	7	8	9	10	11	Height	GROU	Planting distance
<b>Groups</b>	<i>Gypsophila paniculata</i>											80 cm–100 cm	A - B	60cm, 2-4 Stk./m <sup>2</sup>
	<i>Euphorbia cyparissias</i>											20 cm–40 cm	D - E	35 cm, 9,4 St./m <sup>2</sup>
	<i>Deschampsia caespitosa</i>											60 cm–100 cm	D	40 cm, 7,2 St./m <sup>2</sup>
	<i>Echinacea purpurea</i> 'Virgin'											50-60cm	B - E	35 cm, 9,4 St./m <sup>2</sup>
	<i>Achillea filipendulina</i> 'Feuerland'											80 cm–100 cm	C	35 cm, 9,4 St./m <sup>2</sup>
	<i>Calamagrostis x acutiflora</i> 'Waldenbuch'											70-130cm	C	60 cm, 3,2 St./m <sup>2</sup>
	<i>Aster cordifolius</i> 'Little Carlow'											70 cm–110 cm	A	60 cm, 3,2 St./m <sup>2</sup>
	<i>Aster cordifolius</i> 'Ideal'											100 cm	A	60 cm, 3,2 St./m <sup>2</sup>
	<i>Muhlenbergia reverchonii</i>											50 cm	B - E	70cm, 3 St./m <sup>2</sup>
<b>Self - Seeding</b>	<i>Knautia marcedonica</i>											60 cm–100 cm		60 cm, 3,2 St./m <sup>2</sup>
	<i>Eschscholzia californica</i>											30-40 cm		Saatgut/Seeds
	<i>Aquilegia vulgaris</i> 'Munstead White'											60-70 cm		Saatgut/Seeds
<b>Geophytes</b>	<i>Scilla siberica</i>											10 cm	B	5-15 cm, 461,9 St./m <sup>2</sup>
	<i>Narcissus</i> 'Arctic Gold'											35 cm	D - E	20-30 cm, 28,9 St./m <sup>2</sup>
	<i>Tulipa clusiana</i>											20-30cm	A	10-15 cm, 115,5 St./m <sup>2</sup>
	<i>Allium caeruleum</i>											40cm	D	20 cm, 28,9 St./m <sup>2</sup>
<b>er aspect species</b>	<i>Iris barbata-elatior</i> 'Feu de Ciel'											90 cm	C	40 cm, 7,2 St./m <sup>2</sup>

# The planting design

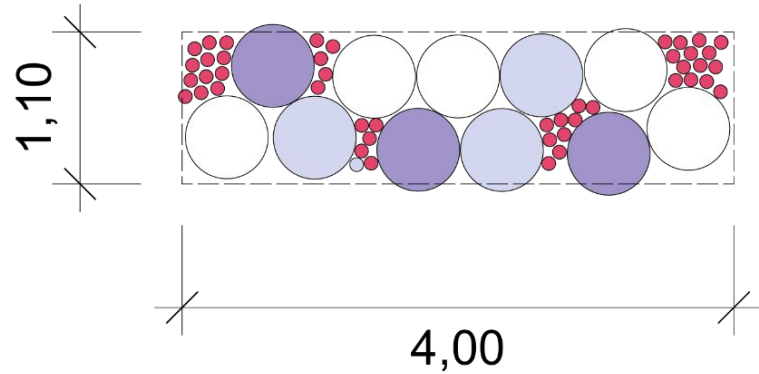


Seasonal dynamic: May



Seasonal dynamic: September

# The groups: A



*Aster cordifolius* 'Ideal'



*Gypsophila paniculata*



*Aster cordifolius* 'Little Carlow'

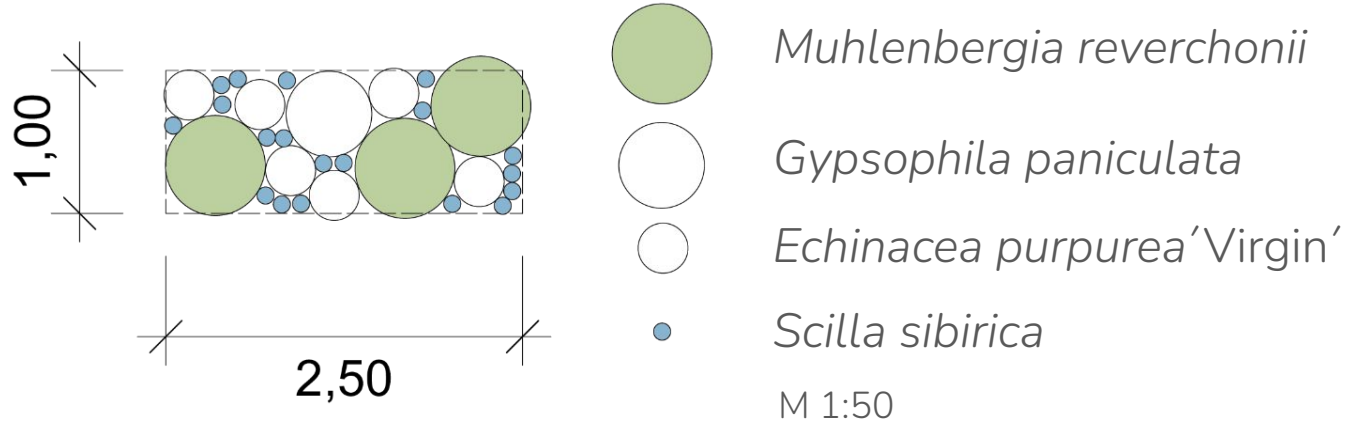


*Tulipa clusiana*

M 1:50

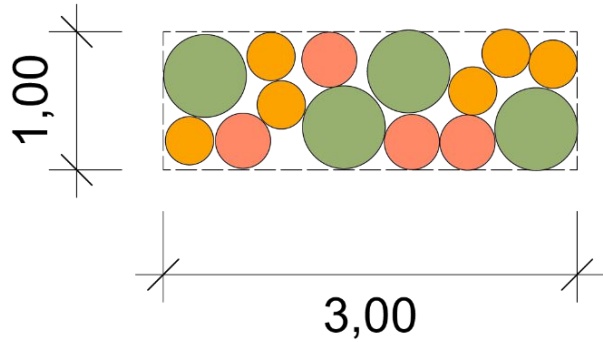


# The groups: B





# The groups: C



*Calamagrostis x acutiflora* 'Waldenbuch'



*Achillea filipendulina* 'Feuerland'

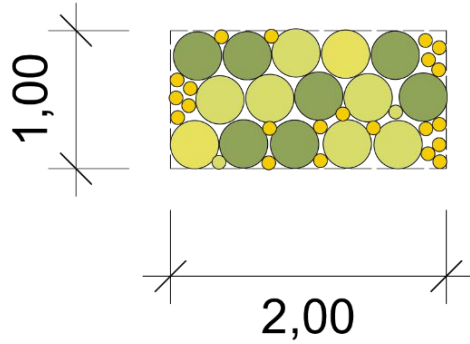


*Iris barbata-elatior* 'Feu de ciel'

M 1:50



# The groups: D



*Deschampsia caespitosa*



*Euphorbia cyparissias*

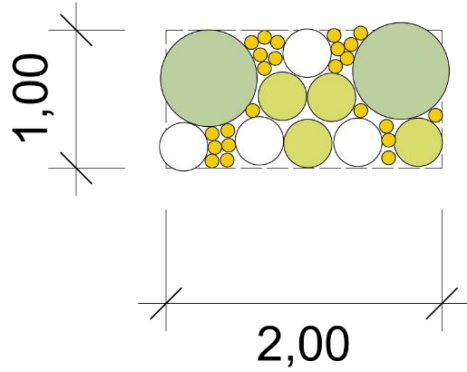


*Narcissus 'Arctic Gold'*

M 1:50



# The groups: E



*Calamagrostis x acutiflora* 'Waldenbuch'



*Euphorbia cyparissias*



*Echinacea purpurea* 'Virgin'



*Narcissus* 'Arctic Gold'

M 1:50



# Total numbers

Species, Cultivar	total number
<i>Achillea filipendulina</i> 'Feuerland'	24
<i>Aster cordifolius</i> 'Ideal'	12
<i>Aster cordifolius</i> 'Little Carlow'	12
<i>Calamagrostis x acutiflora</i> 'Waldenbuch'	24
<i>Deschampsia caespitosa</i>	35
<i>Echinacea purpurea</i> 'Virgin'	66
<i>Euphorbia cyparissias</i>	64
<i>Gypsophila paniculata</i>	62
<i>Muhlenbergia reverchonii</i>	33
<i>Knautia marcedonica</i>	13
<i>Eschscholzia californica</i>	
<i>Aquilegia vulgaris</i> 'Munstead White'	
<i>Allium caeruleum</i>	45
<i>Narcissus</i> 'Arctic Gold'	268
<i>Scilla siberica</i>	133
<i>Tulipa clusiana</i>	180
<i>Iris barbata-elatior</i> 'Feu de Ciel'	36
Total:	962



# Maintenance plan

Planting with a higher maintenance requirements / representative character

Primarily drought-tolerant plants (CS strategists), north exposure = Little to no irrigation required

Mulching with mineral mulch after planting = to reduce evaporation, weed growth

An intermediate form between static and dynamic maintenance

- > Groupings should retain their positions based on the initial planting plan
- > Self seeding plants encouraged to spread and move around

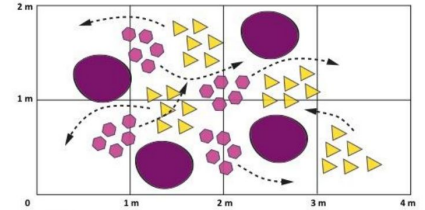
Primary maintenance measures

Annually (biannually) recurring

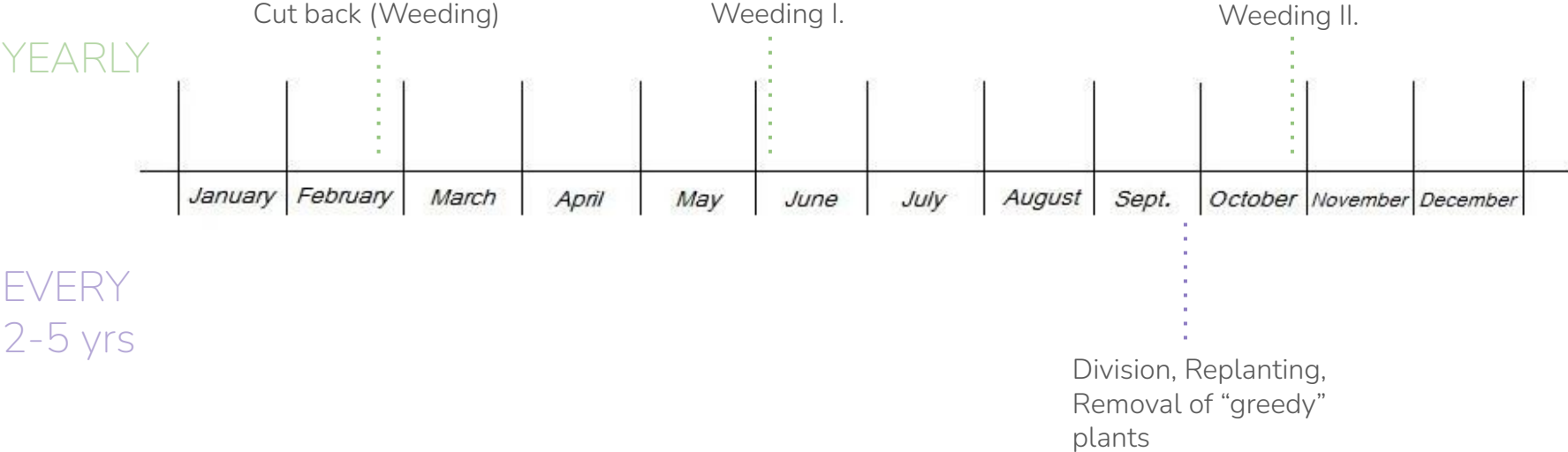
- > Cutting back of the planting (preferably shortly before vegetation period)
- > Selective weeding of volunteers

Every 2-5 years

- > Re-planting of individual plant species (if required to retain original planting)
- > Additional sowing
- > Removal of plant species with outsized growth (if taking over planting)
- > Plant division (and redistribution, if required) > eg. to revitalise Iris individuals



# Maintenance plan



This type of maintenance requires expertise and knowledge of the plant species, their juvenile forms and original planting design > a regular inspection and consultation with landscape architect may be desirable

# Juvenile forms, seeds and seedlings

Self seeding plants

How to tell them apart from volunteers? Which is which?



Thank you!





# Image sources

Aster 'Little carlow'

[https://www.crocus.co.uk/plants/\\_/symphyotrichum-little-carlow-cordifolius-hybrid/classid.2000024645/](https://www.crocus.co.uk/plants/_/symphyotrichum-little-carlow-cordifolius-hybrid/classid.2000024645/)

Aster 'Ideal'

<https://www.vasteplantendeswaef.be/product/aster-cordifolius-ideal>

Tulipa clusiana

<https://www.niissentuin.nl/tulipa/9308-10962-tulipa-clusiana-var-stellata-9308.html>

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Gypsophila:

<https://www.thompson-morgan.com/p/gypsophila-paniculata-seeds/8214TM>

Echinacea:

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Calamagrostis:

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Achillea

<https://www.zauberstaude.de/Zauberstaude-p1360h2s20-Achillea-Filipenduli.htm>

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Deschampsia

<https://www.multiplants.ca/en/product/deschampsia-cespitosa/>

Euphorbia

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Narcissus

[http://search.shelmerdine.com/11050002/Plant/3274/Arctic\\_Gold\\_Daffodil](http://search.shelmerdine.com/11050002/Plant/3274/Arctic_Gold_Daffodil)

Knautia Seeds

<https://thumbs.dreamstime.com/b/seed-knautia-macedonia-macedonian-scabious-plant-isolated-white-background-macedonian-scabious-plant-seeds-white-296338652.jpg>

Knautia Seedling

<https://www.growfruitandveg.co.uk/grapevine/filedata/fetch?id=2408252&d=1594664868>

Eschscholzia Seeds

[https://assets.americanmeadows.com/media/catalog/product/a/m/ami\\_seeds\\_species\\_cal\\_poppy-4244w.jpg?quality=85&fit=bounds&height=&width=3840&auto=webp&format=jpg](https://assets.americanmeadows.com/media/catalog/product/a/m/ami_seeds_species_cal_poppy-4244w.jpg?quality=85&fit=bounds&height=&width=3840&auto=webp&format=jpg)

Eschscholzia Seedling

<https://www.applewoodseed.com/wp-content/uploads/California-Poppy-Eschscholzia-californica-Seedling-ECAL.jpg>

Aquilegia Seeds

<https://www.lubera.com/images/600/Akeleisamen-hhelene-Fotoliaid-56189688.jpg>

Aquilegia Seedling

[https://www.everwilde.com/media/0800/resized/FAQUVUL-C-Dwarf-Columbine-Seed-Mix\\_medium.jpg](https://www.everwilde.com/media/0800/resized/FAQUVUL-C-Dwarf-Columbine-Seed-Mix_medium.jpg)